



PEREGRINE

GLOBAL SERVICES

ACADEMIC SERVICES

Internal Analysis Report

University of the Incarnate Word

7/1/2020 - 5/28/2021

Total Tests = 171

Inbound = 56

Outbound = 115

Academic Level: Bachelors

Aggregate: Located Inside the US

Courses

Inbound: ECON 2301 Principles of Macroeconomics

Outbound: BMGT 4375 Business Policy and Strategy

Prepared By:

Peregrine Academic Services

A Division of Peregrine Global Services, Inc.

P.O. Box 741

Gillette WY 82717-0741

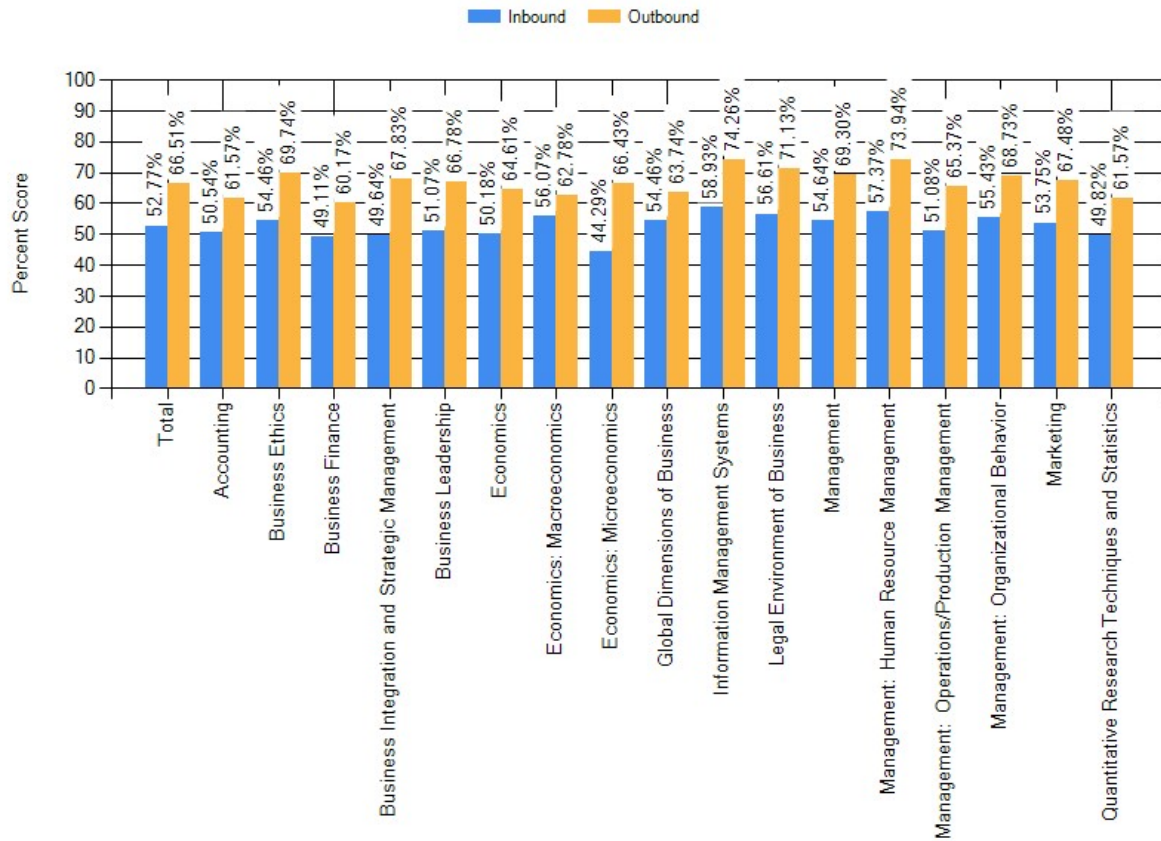
(307) 685-1555

Please direct questions to clientservices@peregrineglobal.com

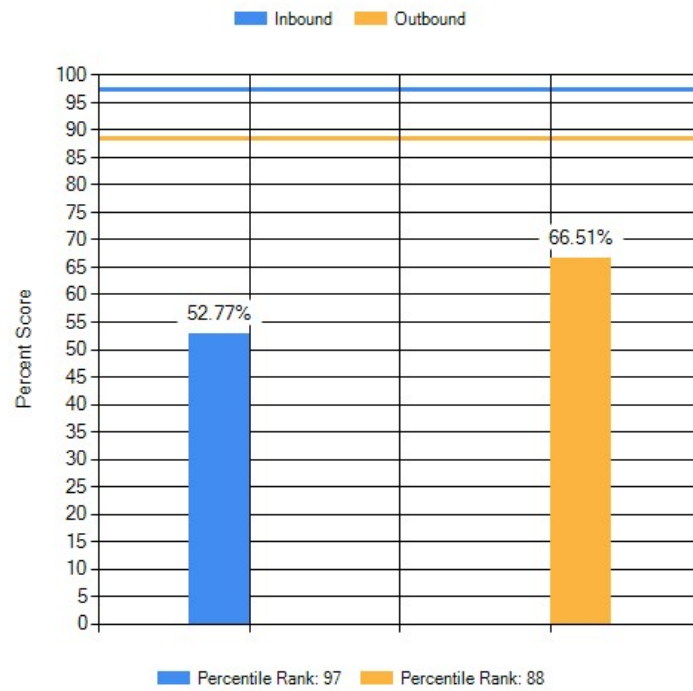
Table of Contents

Comparison of Inbound Exam Results with Outbound Exam Results	4
Inbound Exam	6
Inbound Exam Summary	7
Outbound Exam	8
Outbound Exam Summary	9
Accounting	12
Business Ethics	17
Business Finance	22
Business Integration and Strategic Management	27
Business Leadership	32
Economics	37
Economics: Macroeconomics	42
Economics: Microeconomics	47
Global Dimensions of Business	52
Information Management Systems	57
Legal Environment of Business	62
Management	67
Management: Human Resource Management	72
Management: Operations/Production Management	77
Management: Organizational Behavior	82
Marketing	87
Quantitative Research Techniques and Statistics	92
Report Introduction	97
Understanding and Using the Report	97
Tips, Techniques, and Suggestions for Applying the Results of this Report for Academic Program-level Analysis and Continuous Improvement	98
Interpreting and Using the Exam Scores	99
Glossary of Terms	100

Comparison of Inbound Exam Results with Outbound Exam Results



Total Score Comparison

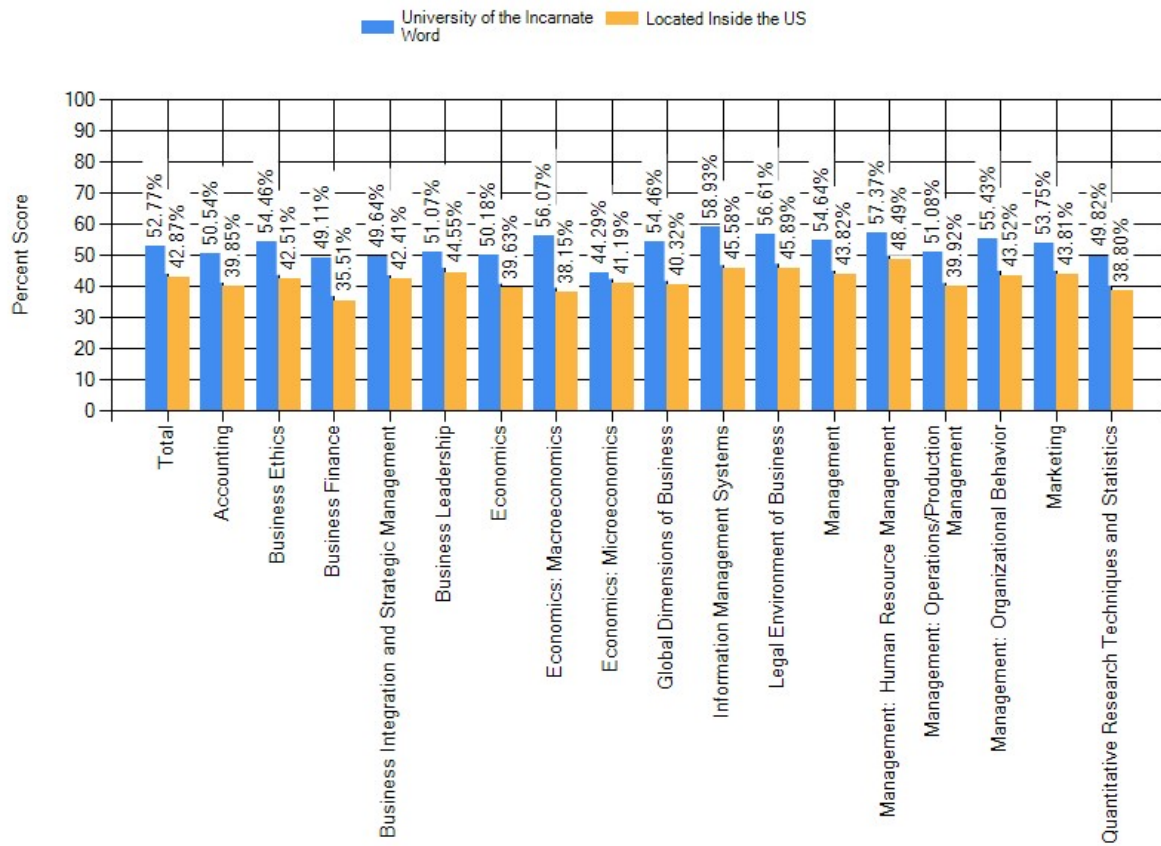


26.04% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

Mean Completion Time (mins): Inbound = 99.5, Outbound = 127.2

Inbound Exam

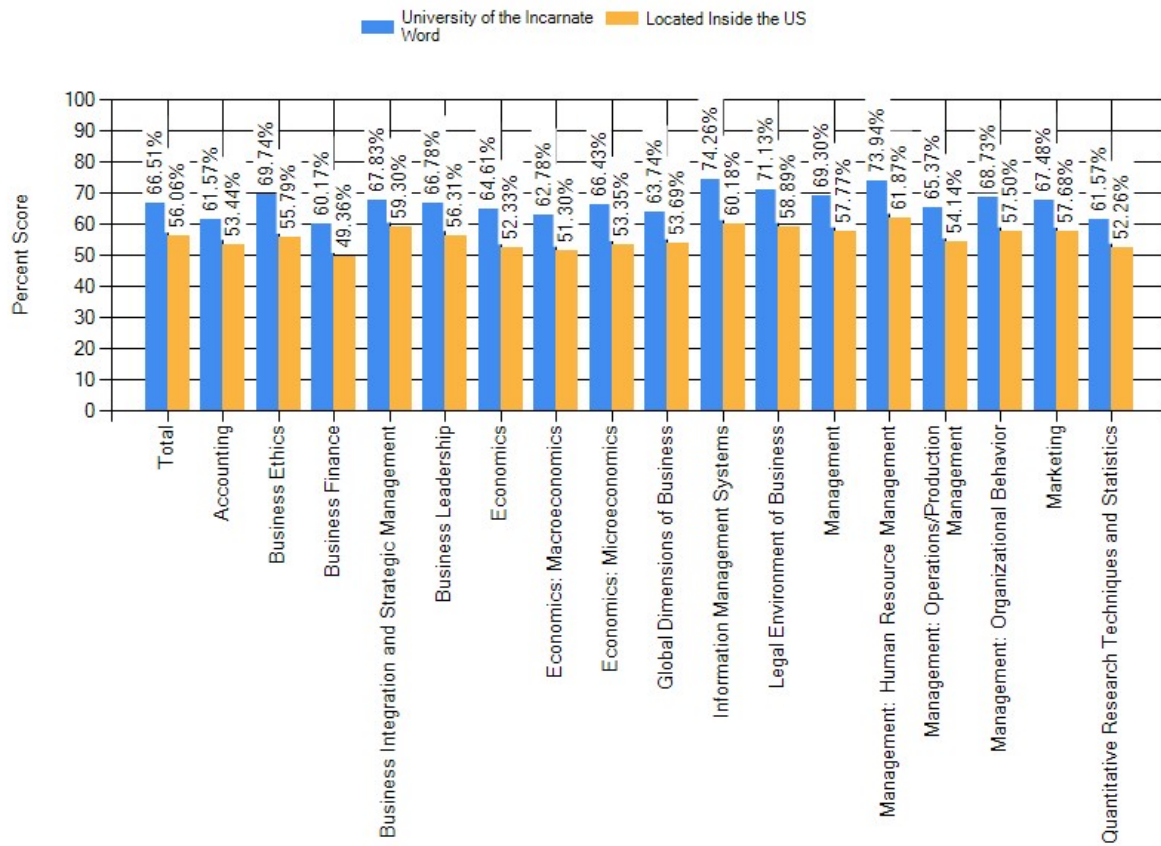


Inbound Exam Summary

Inbound	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Accounting	560	50.54%	537553	39.85%	97	36.00%	39.33%	42.00%	45.67%
Business Ethics	560	54.46%	515792	42.51%	97	38.10%	42.26%	45.33%	49.32%
Business Finance	560	49.11%	376431	35.51%	98	31.67%	34.67%	37.33%	41.67%
Business Integration and Strategic Management	560	49.64%	407223	42.41%	85	37.83%	41.67%	45.33%	49.33%
Business Leadership	560	51.07%	493914	44.55%	88	41.11%	44.33%	47.00%	50.33%
Economics	560	50.18%	317980	39.63%	96	35.37%	39.00%	42.33%	46.27%
Economics: Macroeconomics	280	56.07%	161564	38.15%	99	33.33%	37.33%	40.67%	45.33%
Economics: Microeconomics	280	44.29%	156397	41.19%	64	36.67%	40.67%	44.32%	48.67%
Global Dimensions of Business	560	54.46%	366144	40.32%	99	36.05%	39.67%	43.00%	46.75%
Information Management Systems	560	58.93%	305633	45.58%	96	40.00%	44.40%	49.00%	53.67%
Legal Environment of Business	560	56.61%	519131	45.89%	95	41.20%	46.12%	49.54%	52.87%
Management	560	54.64%	368026	43.82%	96	39.67%	43.29%	46.67%	50.33%
Management: Human Resource Management	190	57.37%	115207	48.49%	85	42.71%	47.62%	52.14%	57.14%
Management: Operations/Production Management	186	51.08%	124323	39.92%	93	34.86%	38.95%	42.72%	47.48%
Management: Organizational Behavior	184	55.43%	128294	43.52%	94	38.57%	42.42%	46.39%	51.04%
Marketing	560	53.75%	505605	43.81%	94	39.00%	43.61%	47.33%	51.00%
Quantitative Research Techniques and Statistics	560	49.82%	316339	38.80%	97	35.08%	38.33%	40.67%	44.33%
Summary	6720	52.77%	5029771	42.87%	97	39.16%	42.97%	45.44%	48.35%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

Outbound Exam

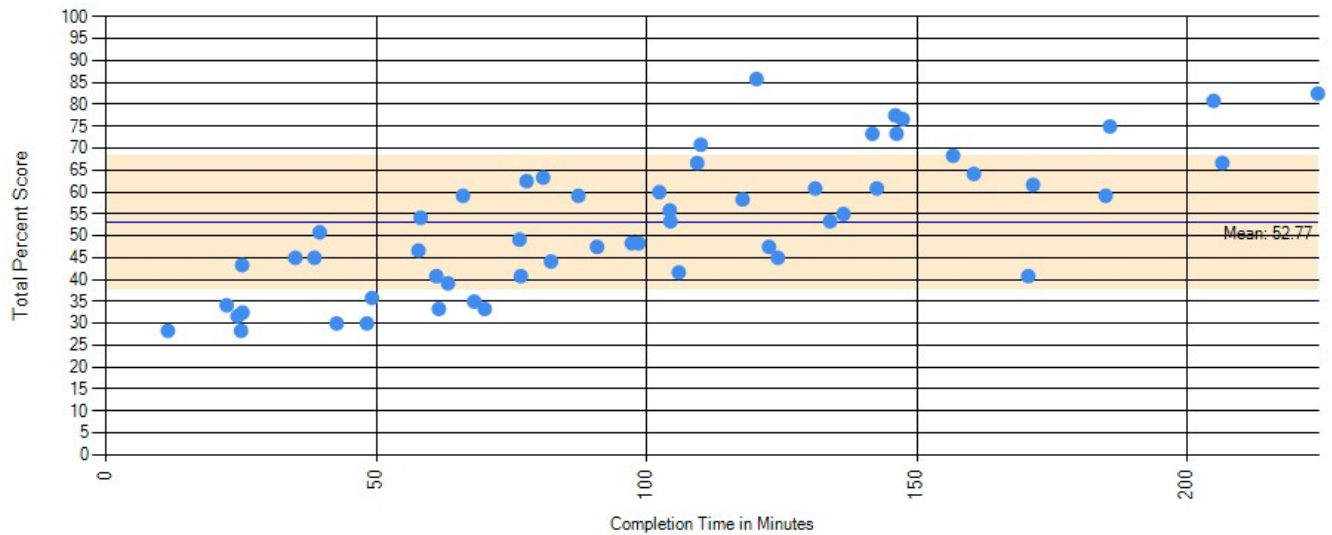


Outbound Exam Summary

Outbound	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Accounting	1150	61.57%	1104813	53.44%	82	47.33%	52.03%	56.67%	62.67%
Business Ethics	1150	69.74%	1091912	55.79%	93	49.33%	54.55%	59.32%	65.44%
Business Finance	1150	60.17%	1059112	49.36%	88	42.99%	47.97%	52.44%	58.67%
Business Integration and Strategic Management	1150	67.83%	1132588	59.30%	80	52.34%	57.83%	63.00%	69.67%
Business Leadership	1150	66.78%	1001252	56.31%	88	50.67%	55.00%	59.34%	65.33%
Economics	1150	64.61%	1006494	52.33%	95	47.33%	51.45%	55.33%	60.00%
Economics: Macroeconomics	575	62.78%	507413	51.30%	92	45.45%	50.00%	54.67%	60.00%
Economics: Microeconomics	575	66.43%	499083	53.35%	95	48.39%	52.67%	56.67%	61.33%
Global Dimensions of Business	1150	63.74%	1007974	53.69%	89	47.96%	52.51%	56.67%	62.28%
Information Management Systems	1150	74.26%	996111	60.18%	92	53.67%	59.00%	64.00%	70.24%
Legal Environment of Business	1150	71.13%	1083700	58.89%	92	52.74%	57.72%	62.33%	68.00%
Management	1150	69.30%	1084844	57.77%	90	51.57%	56.25%	61.00%	67.33%
Management: Human Resource Management	376	73.94%	344513	61.87%	92	56.19%	61.00%	65.38%	70.71%
Management: Operations/Production Management	387	65.37%	365971	54.14%	85	46.88%	52.08%	58.00%	65.26%
Management: Organizational Behavior	387	68.73%	373260	57.50%	85	50.00%	56.00%	61.39%	68.33%
Marketing	1150	67.48%	1052693	57.68%	87	52.00%	56.67%	61.00%	66.33%
Quantitative Research Techniques and Statistics	1150	61.57%	968586	52.26%	85	45.96%	50.67%	55.67%	61.33%
Summary	13800	66.51%	12590079	56.06%	88	50.09%	54.70%	59.17%	64.81%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

Inbound Exam **Total** Result



Sample Size: 56

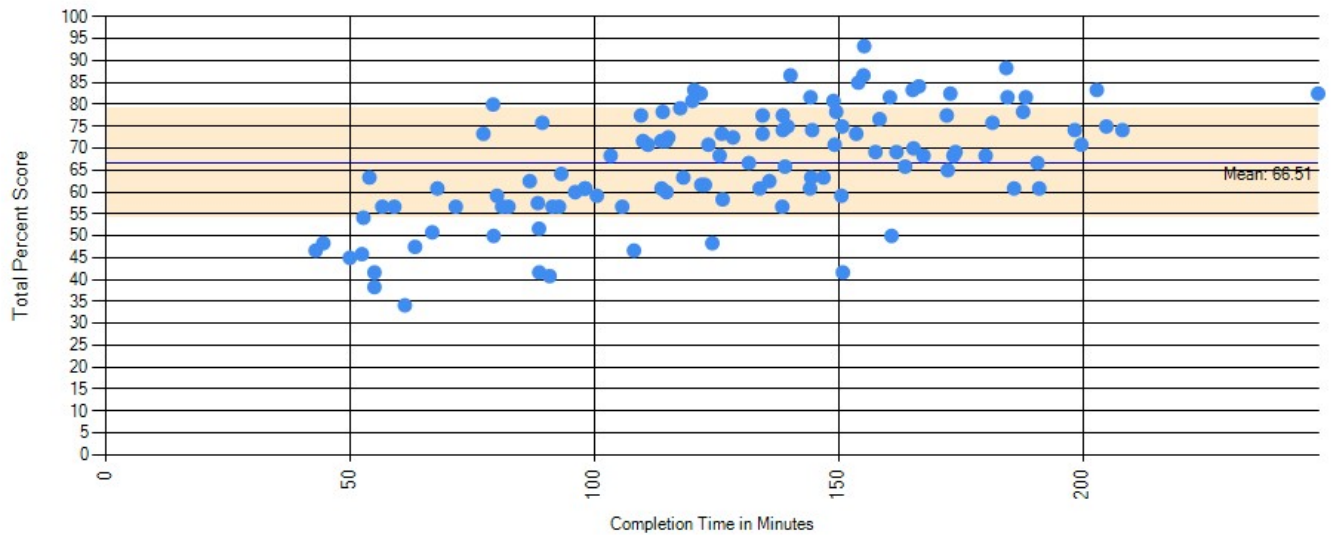
Mean Completion Time for this Topic (mins): Inbound = 99.45

Mean Score: 52.77%, Max Score: 85.83%, Min Score: 28.33%

Standard Deviation: 15.39

* Results are sorted by number of minutes taken to complete the exam.

Outbound Exam **Total** Result



Sample Size: 115

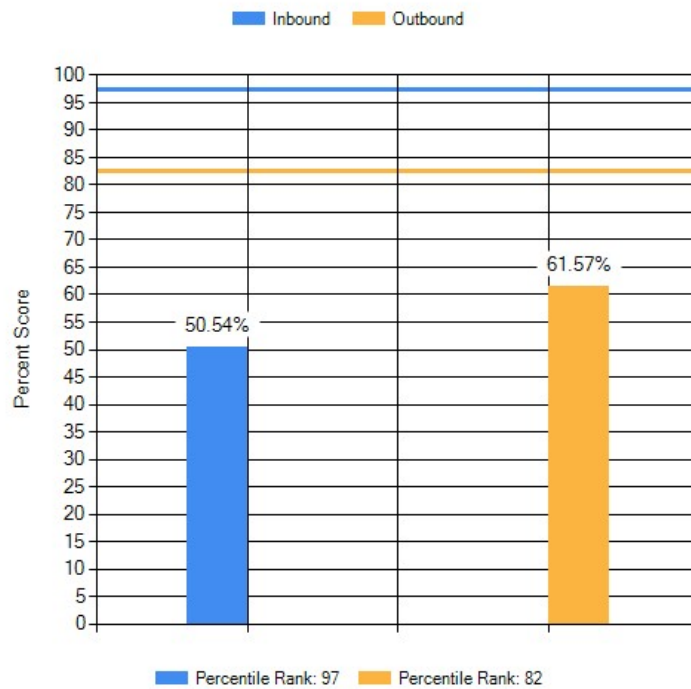
Mean Completion Time for this Topic (mins): Outbound = 127.23

Mean Score: 66.51%, Max Score: 93.33%, Min Score: 34.17%

Standard Deviation: 12.53

* Results are sorted by number of minutes taken to complete the exam.

Accounting Score Comparison



21.82% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

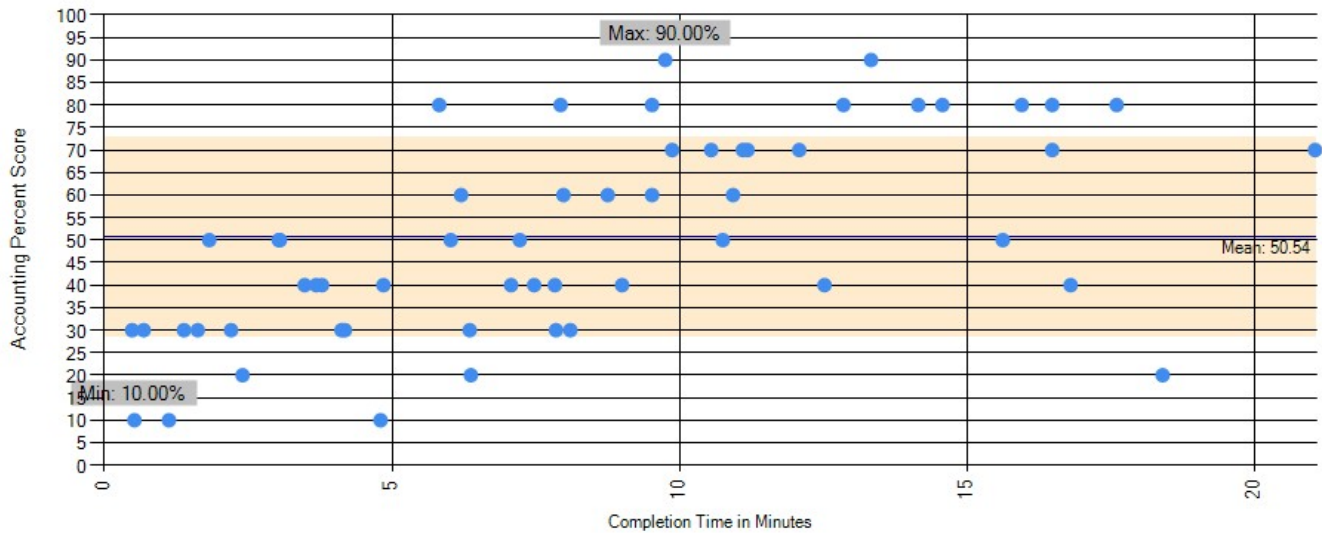
Mean Completion Time (mins): Inbound = 8.4, Outbound = 10.8

Accounting Assessment Summary

Assessment Summary Statistics

<u>Accounting</u>	<u>Inbound</u>	<u>Outbound</u>
Sample Size	56	115
Mean Score	50.54%	61.57%
Standard Deviation	22.19	21.91
Min Score	10%	0%
Max Score	90%	100%
Median Score	50%	70%
Mode	30%	70%

Inbound Exam Accounting Result



Sample Size: 56

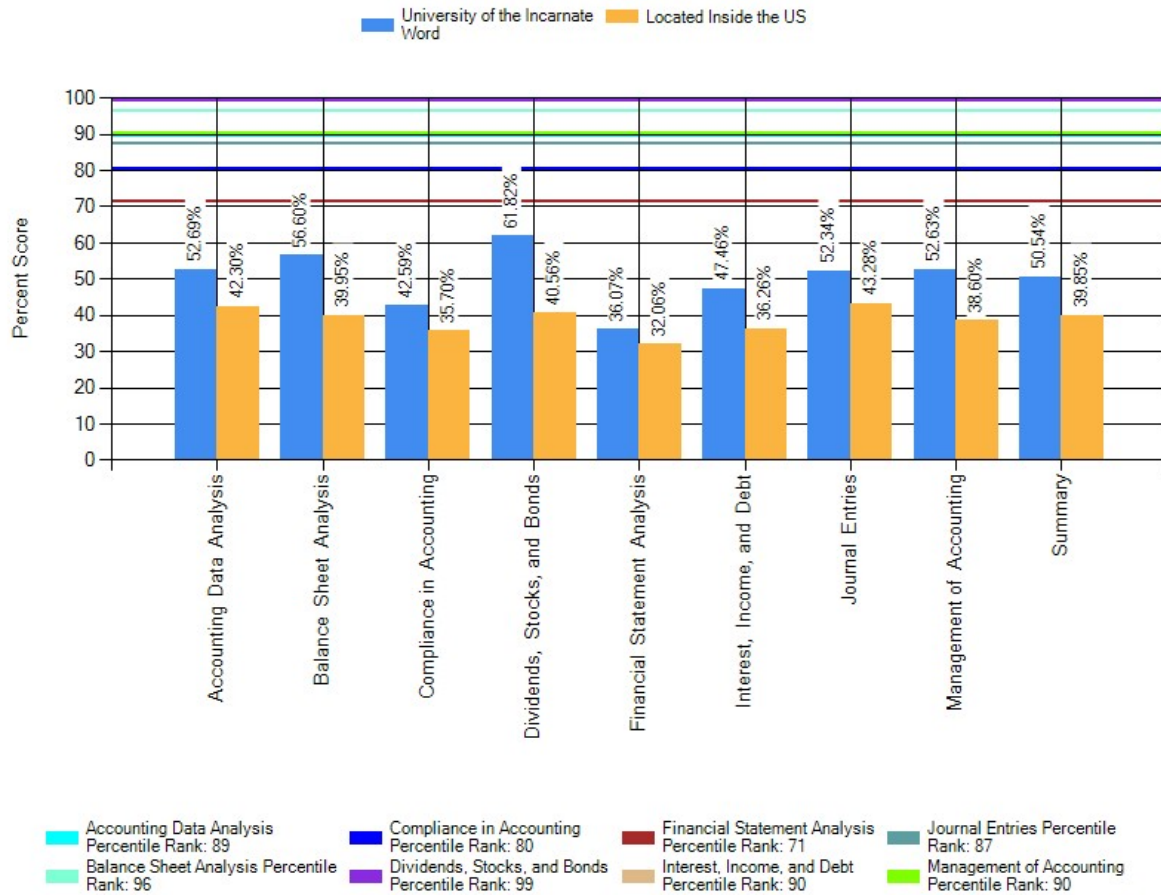
Mean Completion Time for this Topic (mins): Inbound = 8.37

Mean Score: 50.54%, Max Score: 90.00%, Min Score: 10.00%

Standard Deviation: 22.19

* Results are sorted by number of minutes taken to complete the topic.

Accounting Subject Score Comparison *Inbound Exam*



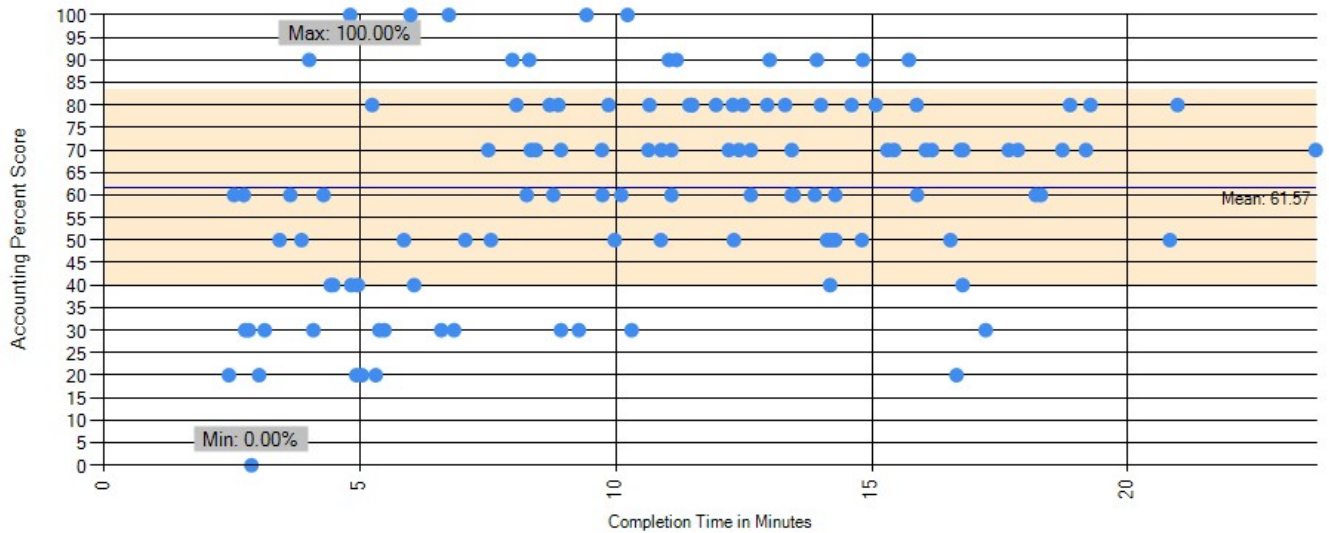
Frequency of Questions Offered on *Inbound Exams*

Accounting	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Accounting Data Analysis	93	52.69%	108872	42.30%	*89	36.73%	41.38%	45.45%	50.94%
Balance Sheet Analysis	53	56.60%	53236	39.95%	*96	34.15%	39.13%	43.48%	48.72%
Compliance in Accounting	54	42.59%	46691	35.70%	*80	30.00%	34.65%	38.30%	44.44%
Dividends, Stocks, and Bonds	55	61.82%	43521	40.56%	*99	34.88%	39.13%	43.75%	48.89%
Financial Statement Analysis	61	36.07%	42786	32.06%	*71	26.09%	30.43%	34.35%	40.91%
Interest, Income, and Debt	59	47.46%	44180	36.26%	*90	30.43%	35.29%	39.62%	45.24%
Journal Entries	128	52.34%	146739	43.28%	*87	37.96%	42.43%	46.26%	51.39%
Management of Accounting	57	52.63%	47629	38.60%	*90	31.91%	36.57%	41.30%	48.65%
Summary	560	50.54%	533654	39.85%	97	36.00%	39.33%	42.00%	45.67%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam Accounting Result



Sample Size: 115

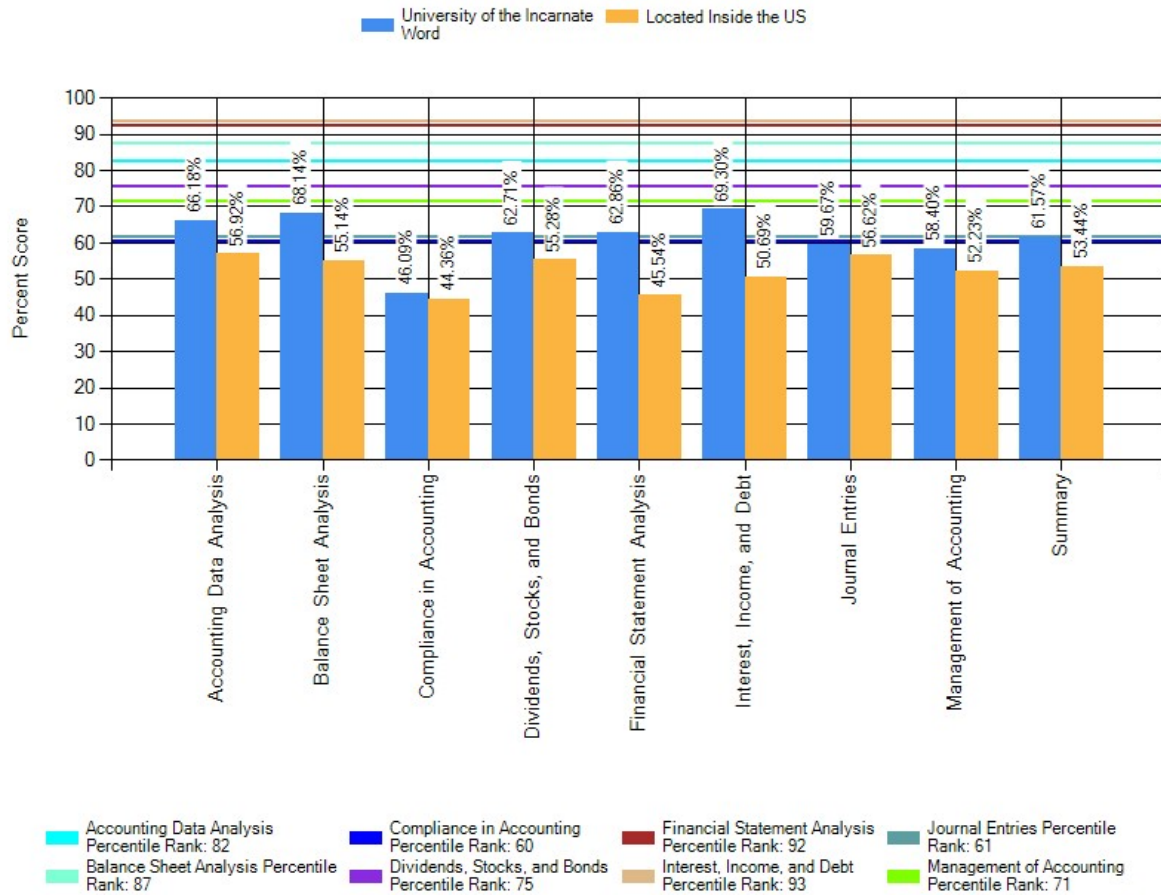
Mean Completion Time for this Topic (mins): Outbound = 10.78

Mean Score: 61.57%, Max Score: 100.00%, Min Score: 0.00%

Standard Deviation: 21.91

* Results are sorted by number of minutes taken to complete the topic.

Accounting Subject Score Comparison *Outbound Exam*



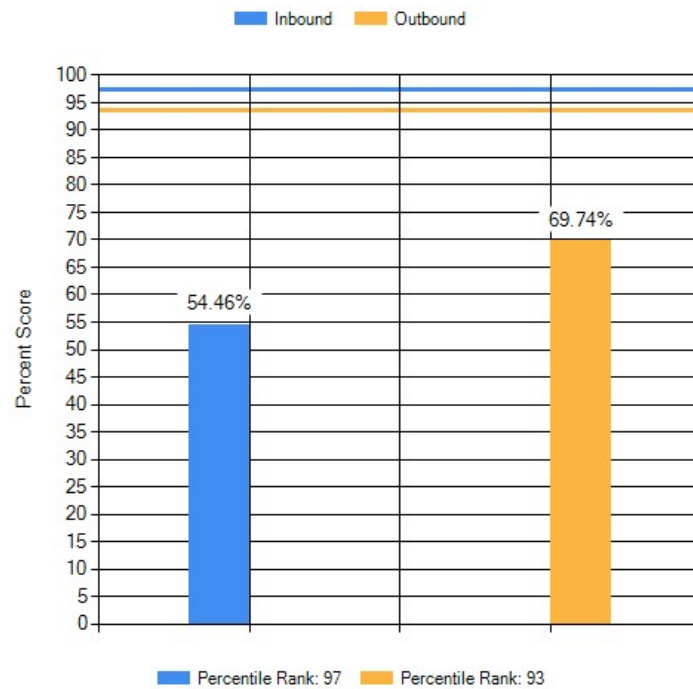
Frequency of Questions Offered on *Outbound Exams*

Accounting	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Accounting Data Analysis	204	66.18%	223059	56.92%	*82	50.00%	55.75%	60.82%	67.26%
Balance Sheet Analysis	113	68.14%	108530	55.14%	*87	47.73%	54.00%	60.00%	66.67%
Compliance in Accounting	128	46.09%	95904	44.36%	*60	37.21%	42.31%	47.50%	54.55%
Dividends, Stocks, and Bonds	118	62.71%	89873	55.28%	*75	47.73%	54.17%	59.57%	66.67%
Financial Statement Analysis	105	62.86%	87471	45.54%	*92	36.96%	43.75%	50.00%	58.14%
Interest, Income, and Debt	114	69.30%	90219	50.69%	*93	41.99%	48.98%	55.56%	63.64%
Journal Entries	243	59.67%	299764	56.62%	*61	50.00%	55.42%	60.38%	66.36%
Management of Accounting	125	58.40%	96125	52.23%	*71	44.00%	50.00%	55.81%	65.00%
Summary	1150	61.57%	1090945	53.44%	82	47.33%	52.03%	56.67%	62.67%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Business Ethics Score Comparison



28.06% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

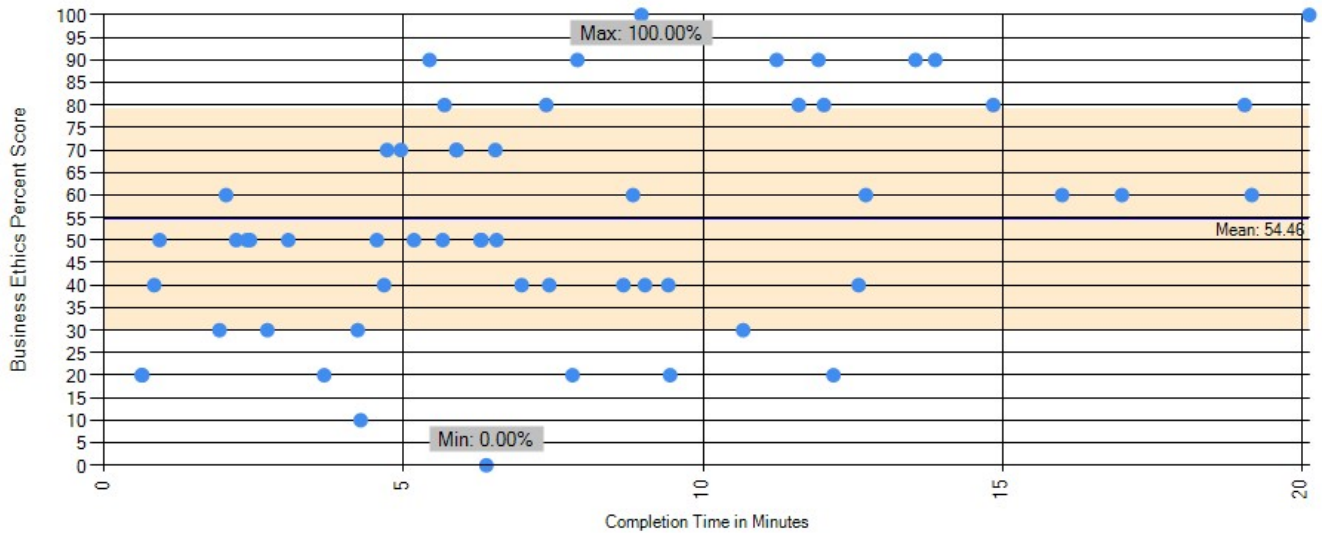
Mean Completion Time (mins): Inbound = 7.8, Outbound = 10.1

Business Ethics Assessment Summary

Assessment Summary Statistics

<u>Business Ethics</u>	<u>Inbound</u>	<u>Outbound</u>
Sample Size	56	115
Mean Score	54.46%	69.74%
Standard Deviation	24.64	17.84
Min Score	0%	20%
Max Score	100%	100%
Median Score	50%	70%
Mode	50%	70%

Inbound Exam Business Ethics Result



Sample Size: 56

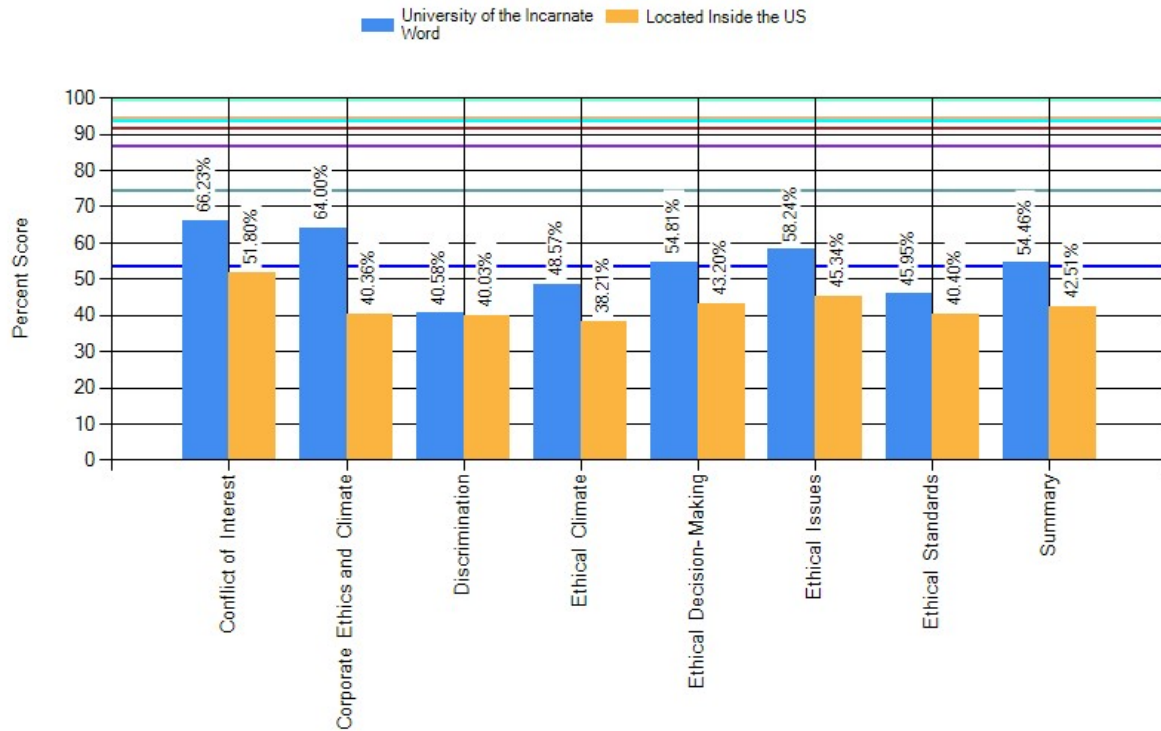
Mean Completion Time for this Topic (mins): Inbound = 7.80

Mean Score: 54.46%, Max Score: 100.00%, Min Score: 0.00%

Standard Deviation: 24.64

* Results are sorted by number of minutes taken to complete the topic.

Business Ethics Subject Score Comparison *Inbound Exam*



Conflict of Interest Percentile Rank: 93
 Corporate Ethics and Climate Percentile Rank: 99
 Discrimination Percentile Rank: 53
 Ethical Climate Percentile Rank: 86
 Ethical Decision-Making Percentile Rank: 91
 Ethical Issues Percentile Rank: 94
 Ethical Standards Percentile Rank: 74

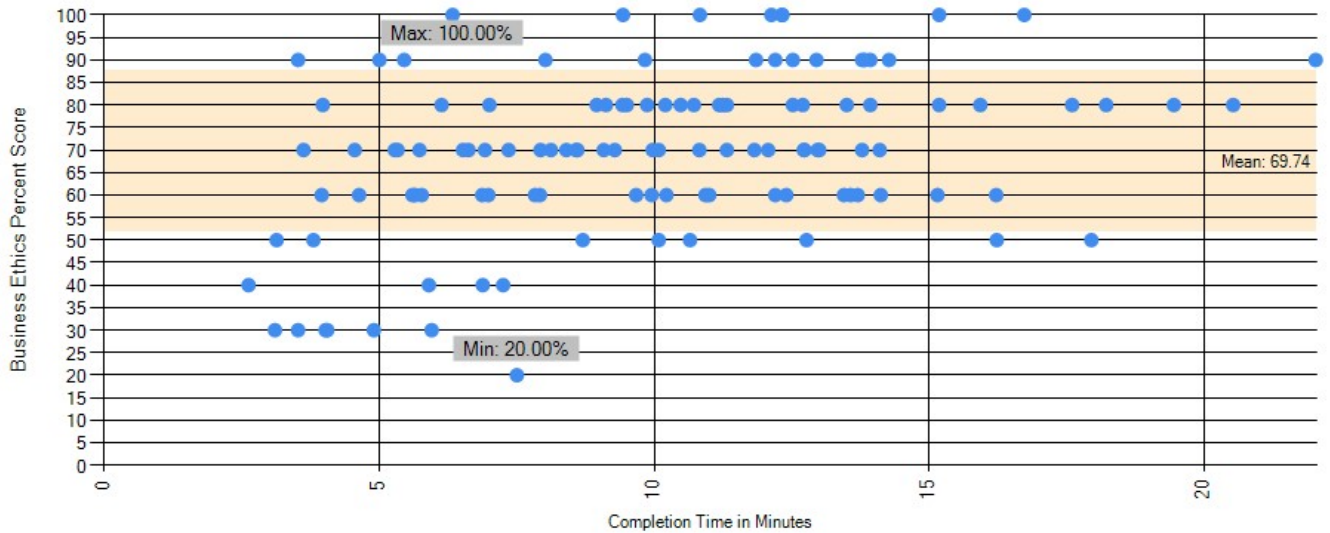
Frequency of Questions Offered on *Inbound Exams*

Business Ethics	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Conflict of Interest	77	66.23%	61792	51.80%	*93	45.10%	50.88%	56.10%	63.04%
Corporate Ethics and Climate	75	64.00%	79464	40.36%	*99	33.87%	39.34%	43.94%	50.00%
Discrimination	69	40.58%	65146	40.03%	*53	34.43%	38.89%	43.18%	48.89%
Ethical Climate	70	48.57%	68682	38.21%	*86	31.91%	36.67%	42.11%	47.73%
Ethical Decision-Making	104	54.81%	96368	43.20%	*91	37.50%	42.18%	46.67%	52.38%
Ethical Issues	91	58.24%	71276	45.34%	*94	39.53%	44.64%	48.96%	53.85%
Ethical Standards	74	45.95%	70020	40.40%	*74	34.48%	38.98%	43.64%	50.00%
Summary	560	54.46%	512748	42.51%	97	38.10%	42.26%	45.33%	49.32%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam Business Ethics Result



Sample Size: 115

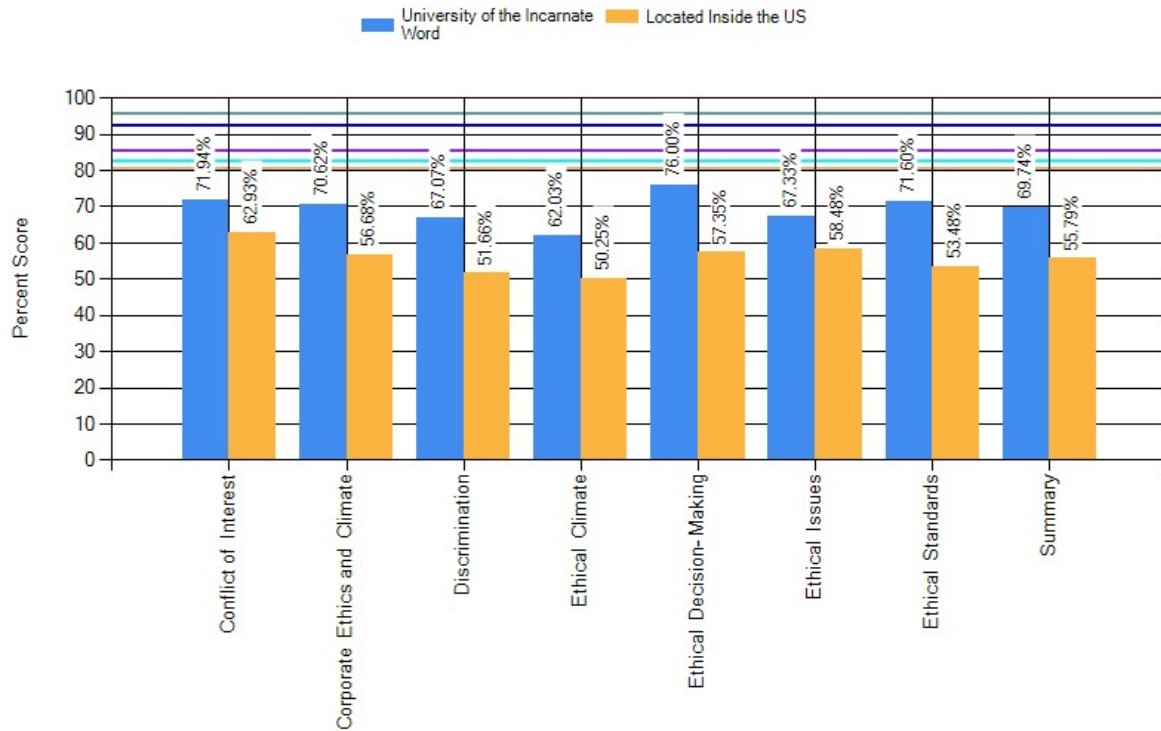
Mean Completion Time for this Topic (mins): Outbound = 10.07

Mean Score: 69.74%, Max Score: 100.00%, Min Score: 20.00%

Standard Deviation: 17.84

* Results are sorted by number of minutes taken to complete the topic.

Business Ethics Subject Score Comparison *Outbound Exam*



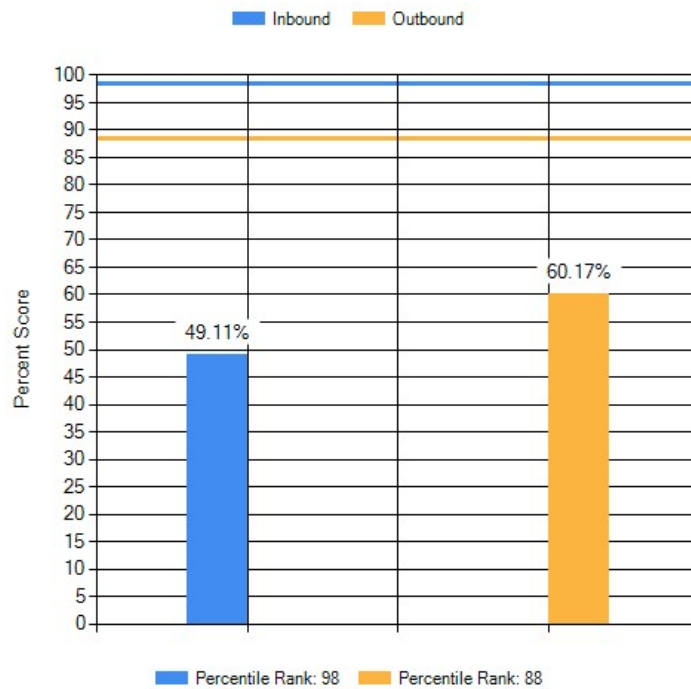
Conflict of Interest Percentile Rank: 82
 Corporate Ethics and Climate Percentile Rank: 85
 Discrimination Percentile Rank: 92
 Ethical Climate Percentile Rank: 85
 Ethical Decision-Making Percentile Rank: 95
 Ethical Issues Percentile Rank: 80
 Ethical Standards Percentile Rank: 95

Frequency of Questions Offered on *Outbound Exams*

Business Ethics	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Conflict of Interest	139	71.94%	130429	62.93%	*82	56.36%	62.00%	66.67%	73.21%
Corporate Ethics and Climate	177	70.62%	168061	56.68%	*85	47.83%	55.17%	61.54%	70.18%
Discrimination	164	67.07%	139254	51.66%	*92	44.00%	50.00%	55.81%	63.04%
Ethical Climate	158	62.03%	145096	50.25%	*85	42.62%	48.89%	54.35%	61.82%
Ethical Decision-Making	200	76.00%	201007	57.35%	*95	49.23%	55.56%	61.73%	69.23%
Ethical Issues	150	67.33%	150354	58.48%	*80	51.09%	56.90%	62.50%	69.57%
Ethical Standards	162	71.60%	147274	53.48%	*95	46.00%	52.00%	57.69%	64.81%
Summary	1150	69.74%	1081475	55.79%	93	49.33%	54.55%	59.32%	65.44%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.
 * Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Business Finance Score Comparison



22.52% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

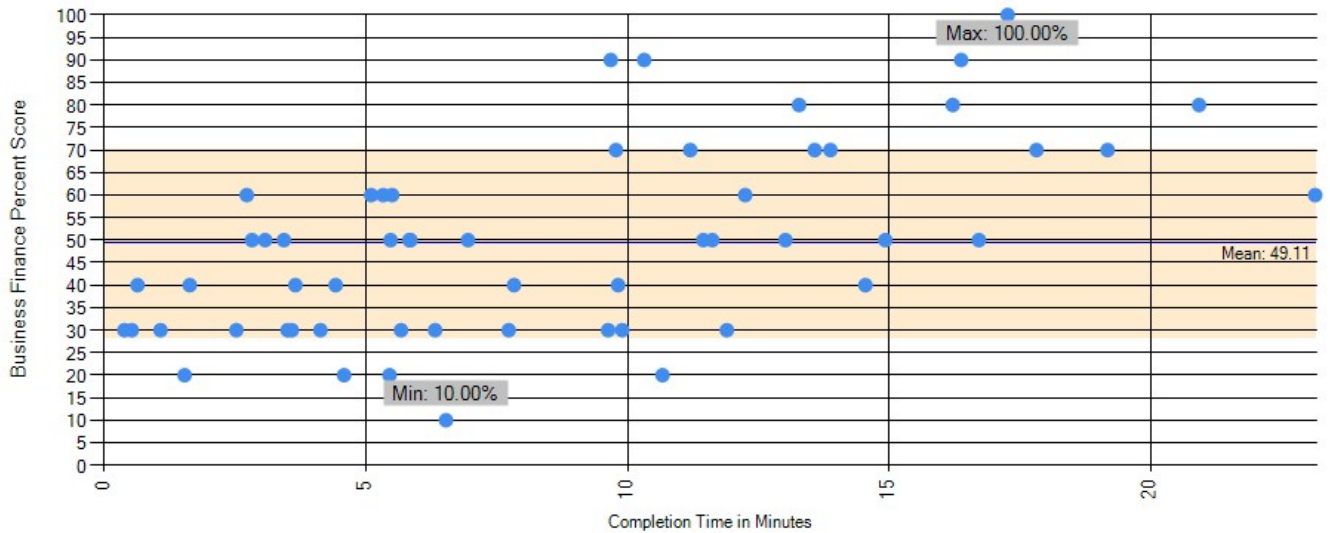
Mean Completion Time (mins): Inbound = 8.6, Outbound = 11.9

Business Finance Assessment Summary

Assessment Summary Statistics

<u>Business Finance</u>	<u>Inbound</u>	<u>Outbound</u>
Sample Size	56	115
Mean Score	49.11%	60.17%
Standard Deviation	20.91	19.51
Min Score	10%	10%
Max Score	100%	100%
Median Score	50%	60%
Mode	30%	70%

Inbound Exam **Business Finance** Result



Sample Size: 56

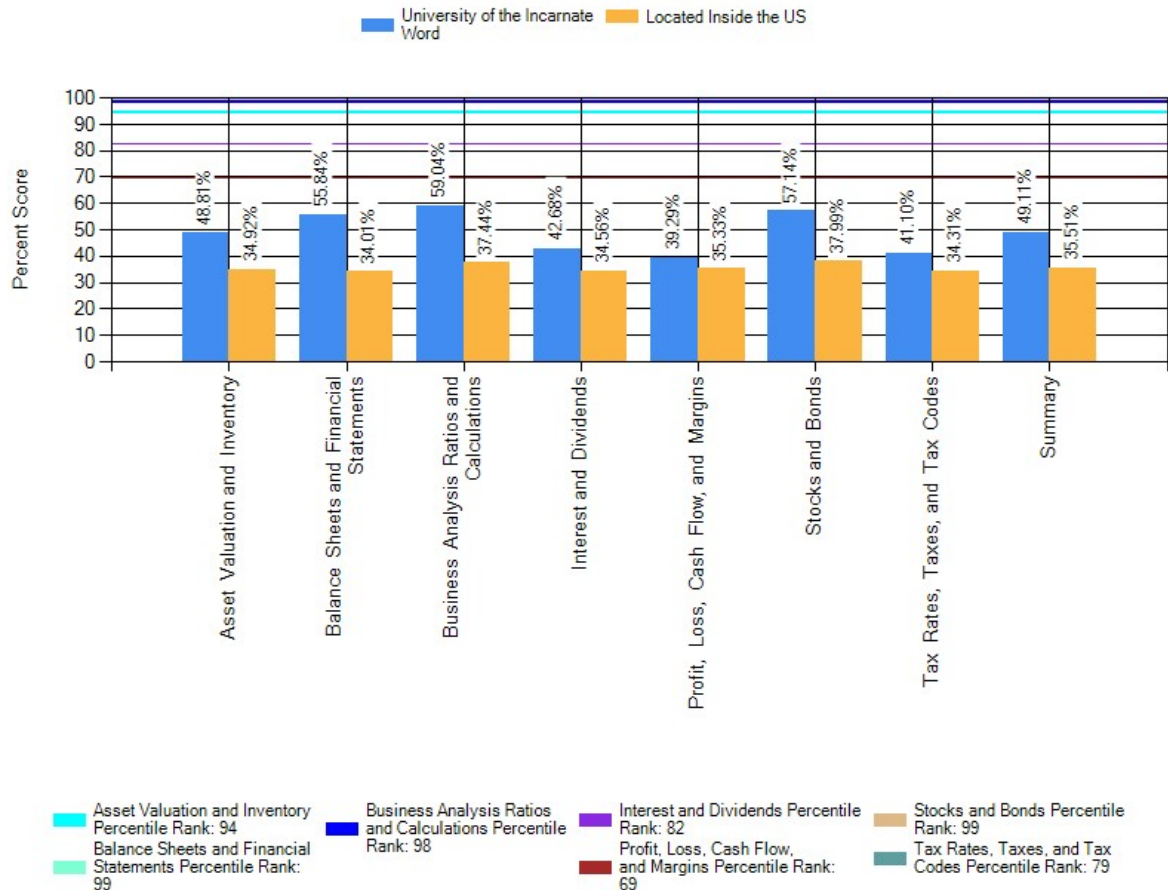
Mean Completion Time for this Topic (mins): Inbound = 8.62

Mean Score: 49.11%, Max Score: 100.00%, Min Score: 10.00%

Standard Deviation: 20.91

* Results are sorted by number of minutes taken to complete the topic.

Business Finance Subject Score Comparison *Inbound Exam*



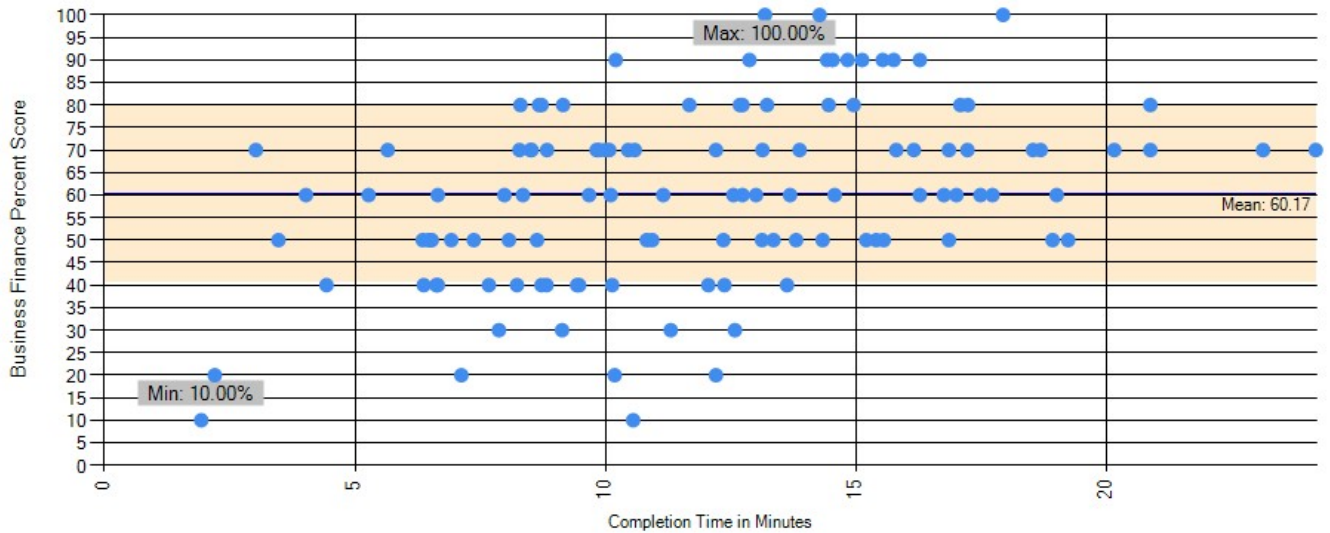
Frequency of Questions Offered on *Inbound Exams*

Business Finance	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Asset Valuation and Inventory	84	48.81%	51817	34.92%	*94	29.17%	33.33%	38.00%	43.25%
Balance Sheets and Financial Statements	77	55.84%	59562	34.01%	*99	28.30%	32.71%	37.10%	42.31%
Business Analysis Ratios and Calculations	83	59.04%	68704	37.44%	*98	30.74%	35.47%	40.28%	48.06%
Interest and Dividends	82	42.68%	44768	34.56%	*82	28.30%	33.33%	37.41%	43.59%
Profit, Loss, Cash Flow, and Margins	84	39.29%	47129	35.33%	*69	29.52%	34.00%	38.46%	43.68%
Stocks and Bonds	77	57.14%	55023	37.99%	*99	32.69%	36.73%	40.82%	46.46%
Tax Rates, Taxes, and Tax Codes	73	41.10%	45730	34.31%	*79	28.33%	32.69%	37.25%	42.86%
Summary	560	49.11%	372733	35.51%	98	31.67%	34.67%	37.33%	41.67%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam **Business Finance** Result



Sample Size: 115

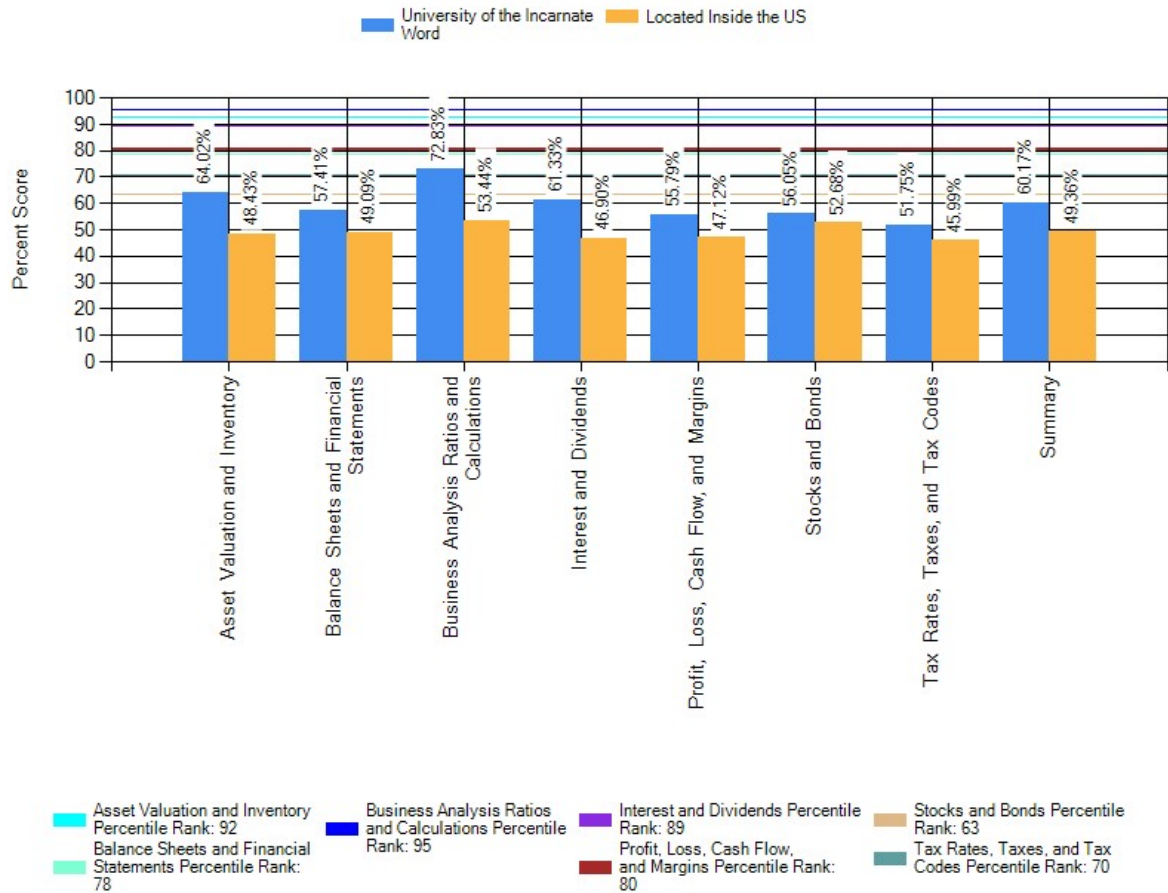
Mean Completion Time for this Topic (mins): Outbound = 11.93

Mean Score: 60.17%, Max Score: 100.00%, Min Score: 10.00%

Standard Deviation: 19.51

* Results are sorted by number of minutes taken to complete the topic.

Business Finance Subject Score Comparison *Outbound Exam*



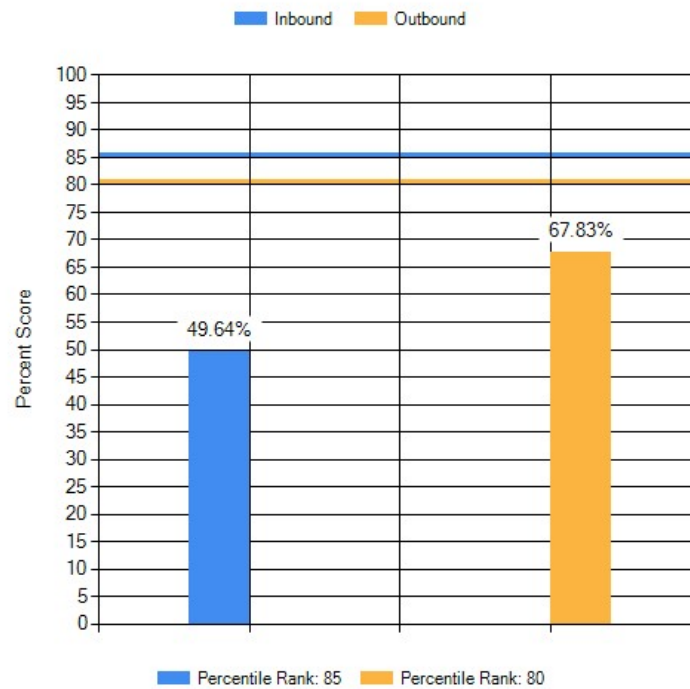
Frequency of Questions Offered on *Outbound Exams*

Business Finance	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Asset Valuation and Inventory	164	64.02%	145601	48.43%	*92	40.82%	46.81%	52.38%	59.57%
Balance Sheets and Financial Statements	162	57.41%	164686	49.09%	*78	41.67%	47.46%	53.06%	60.00%
Business Analysis Ratios and Calculations	184	72.83%	185617	53.44%	*95	45.45%	51.61%	57.81%	65.96%
Interest and Dividends	150	61.33%	129983	46.90%	*89	38.89%	45.00%	51.02%	58.82%
Profit, Loss, Cash Flow, and Margins	190	55.79%	136275	47.12%	*80	40.00%	45.65%	50.94%	57.69%
Stocks and Bonds	157	56.05%	153524	52.68%	*63	45.62%	50.98%	56.52%	63.64%
Tax Rates, Taxes, and Tax Codes	143	51.75%	132712	45.99%	*70	38.46%	44.23%	50.00%	57.14%
Summary	1150	60.17%	1048398	49.36%	88	42.99%	47.97%	52.44%	58.67%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Business Integration and Strategic Management Score Comparison



36.64% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

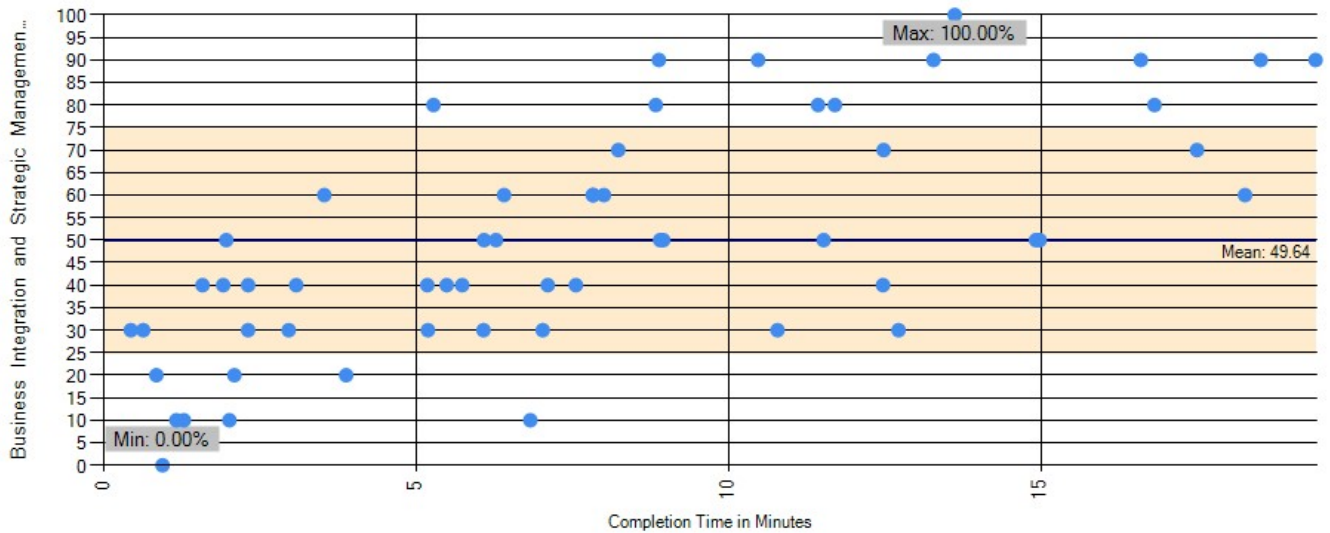
Mean Completion Time (mins): Inbound = 7.8, Outbound = 10.4

Business Integration and Strategic Management Assessment Summary

Assessment Summary Statistics

<u>Business Integration and Strategic Management</u>	<u>Inbound</u>	<u>Outbound</u>
Sample Size	56	115
Mean Score	49.64%	67.83%
Standard Deviation	25.08	19.95
Min Score	0%	10%
Max Score	100%	100%
Median Score	50%	70%
Mode	40%	80%

Inbound Exam Business Integration and Strategic Management Result



Sample Size: 56

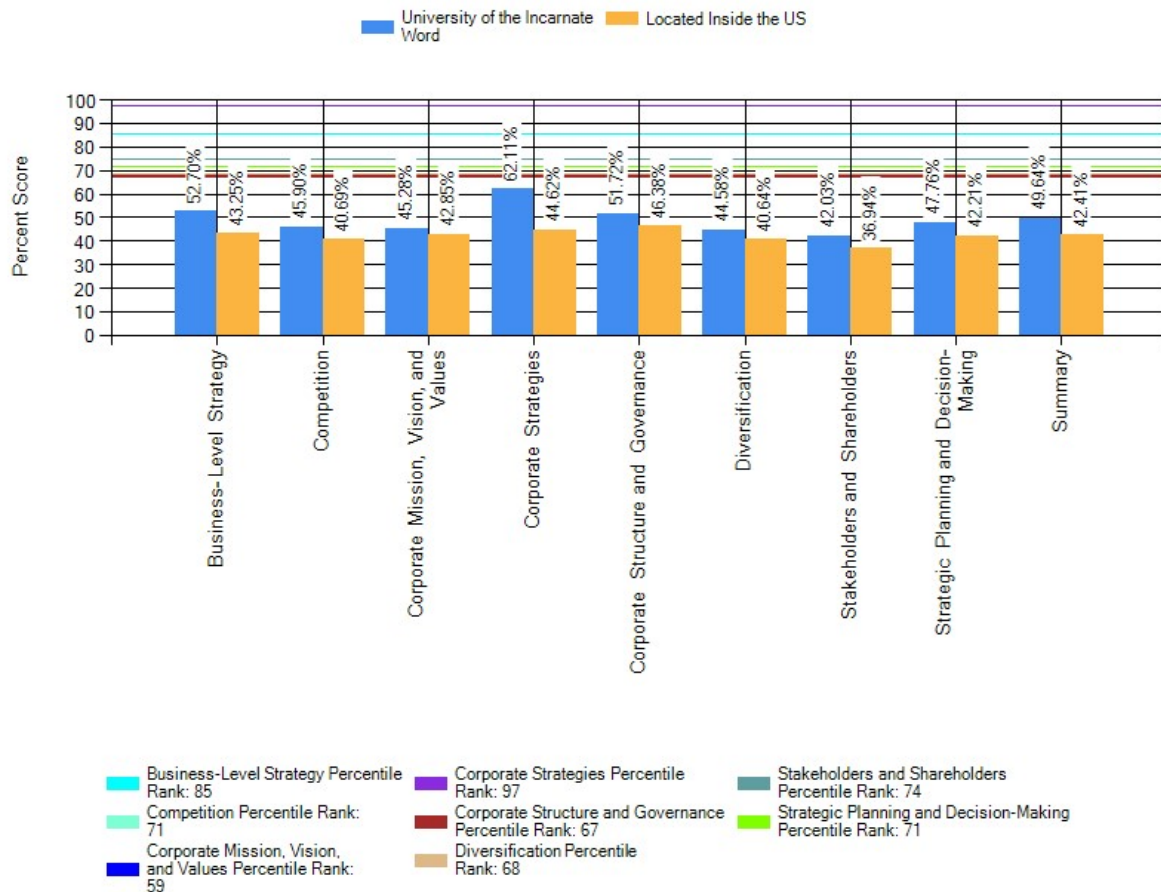
Mean Completion Time for this Topic (mins): Inbound = 7.82

Mean Score: 49.64%, Max Score: 100.00%, Min Score: 0.00%

Standard Deviation: 25.08

* Results are sorted by number of minutes taken to complete the topic.

Business Integration and Strategic Management Subject Score Comparison *Inbound Exam*

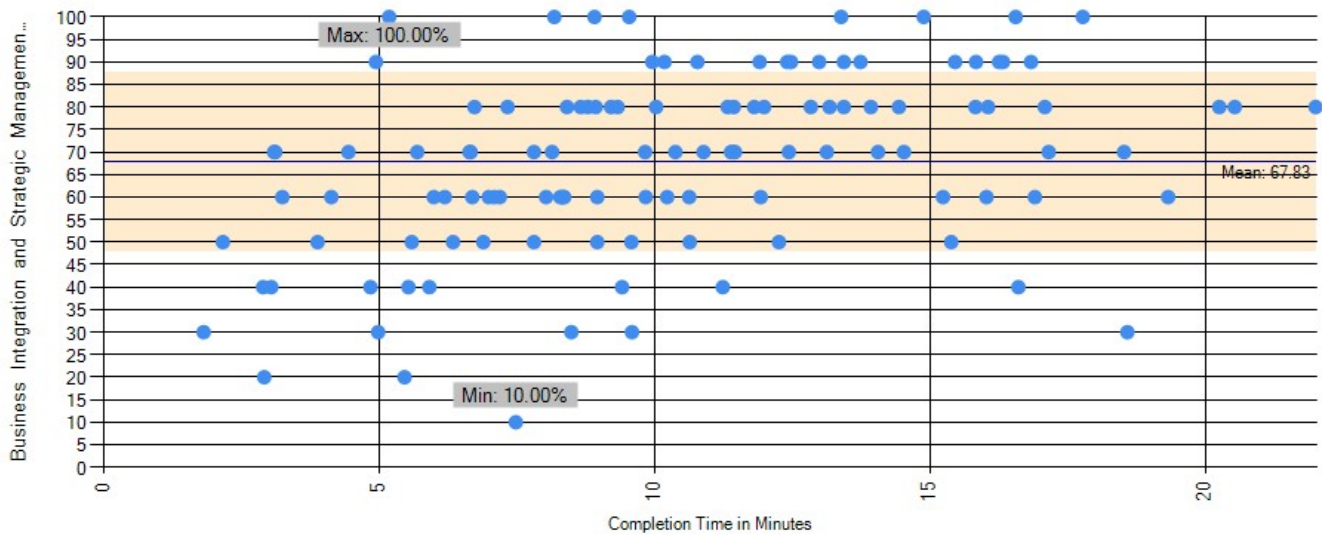


Frequency of Questions Offered on *Inbound Exams*

Business Integration and Strategic Management	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Business-Level Strategy	74	52.70%	47245	43.25%	*85	37.25%	42.30%	46.67%	52.50%
Competition	61	45.90%	43048	40.69%	*71	34.04%	39.53%	44.14%	50.00%
Corporate Mission, Vision, and Values	53	45.28%	35905	42.85%	*59	36.36%	41.53%	46.67%	52.66%
Corporate Strategies	95	62.11%	98702	44.62%	*97	38.55%	43.85%	48.53%	53.97%
Corporate Structure and Governance	58	51.72%	40362	46.38%	*67	39.02%	45.65%	50.98%	57.49%
Diversification	83	44.58%	53810	40.64%	*68	34.55%	39.24%	43.75%	50.00%
Stakeholders and Shareholders	69	42.03%	41587	36.94%	*74	31.58%	35.42%	39.47%	45.83%
Strategic Planning and Decision-Making	67	47.76%	42200	42.21%	*71	36.00%	41.18%	45.97%	52.02%
Summary	560	49.64%	402859	42.41%	85	37.83%	41.67%	45.33%	49.33%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.
 * Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam Business Integration and Strategic Management Result



Sample Size: 115

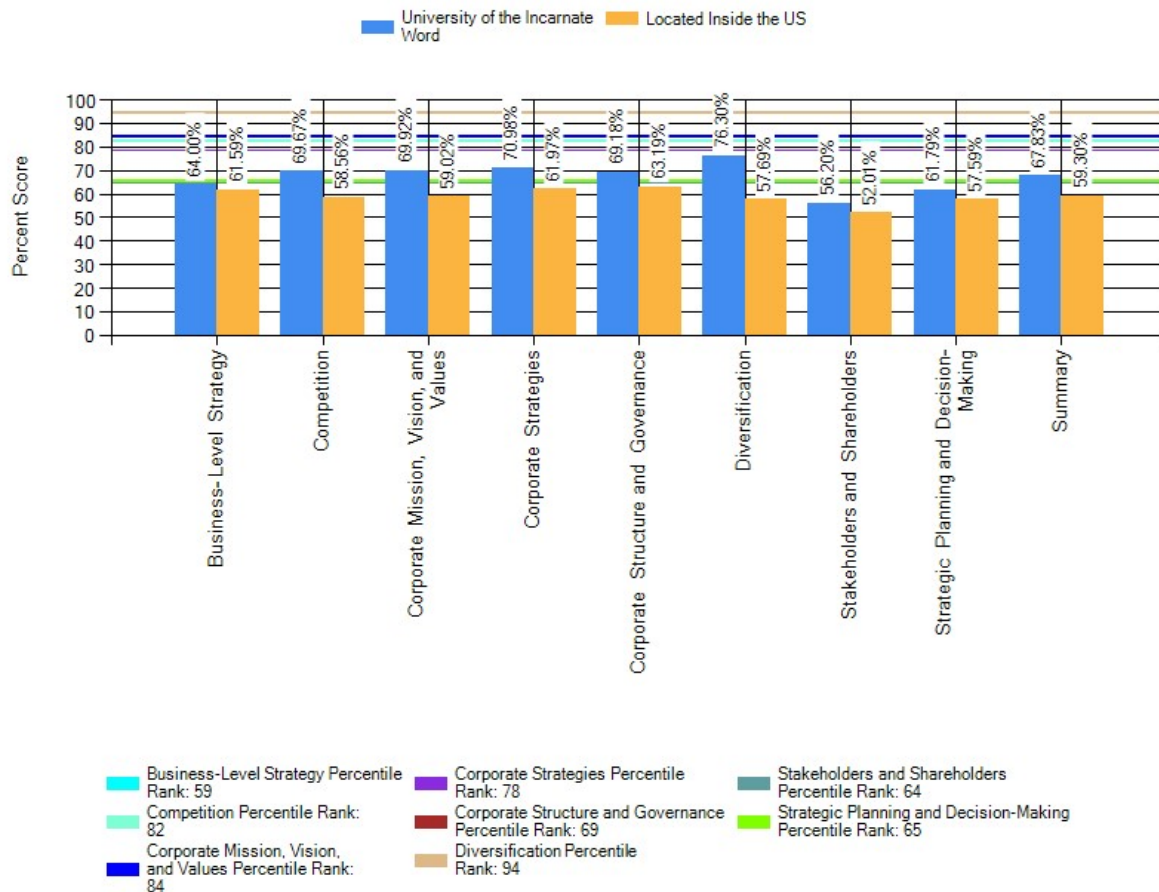
Mean Completion Time for this Topic (mins): Outbound = 10.43

Mean Score: 67.83%, Max Score: 100.00%, Min Score: 10.00%

Standard Deviation: 19.95

* Results are sorted by number of minutes taken to complete the topic.

Business Integration and Strategic Management Subject Score Comparison *Outbound Exam*

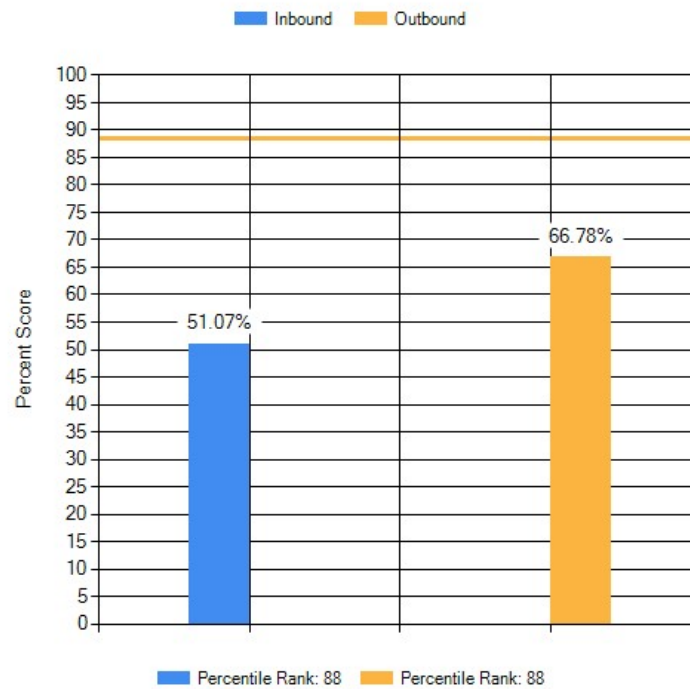


Frequency of Questions Offered on *Outbound Exams*

Business Integration and Strategic Management	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Business-Level Strategy	125	64.00%	128156	61.59%	*59	53.33%	60.00%	66.02%	74.42%
Competition	122	69.67%	120972	58.56%	*82	51.11%	57.14%	63.20%	70.59%
Corporate Mission, Vision, and Values	123	69.92%	104126	59.02%	*84	52.08%	57.69%	63.04%	70.25%
Corporate Strategies	255	70.98%	267765	61.97%	*78	54.55%	60.82%	66.67%	73.44%
Corporate Structure and Governance	146	69.18%	114807	63.19%	*69	56.10%	62.22%	68.00%	74.42%
Diversification	135	76.30%	147927	57.69%	*94	50.00%	56.25%	62.26%	70.00%
Stakeholders and Shareholders	121	56.20%	117095	52.01%	*64	44.10%	50.00%	56.25%	64.48%
Strategic Planning and Decision-Making	123	61.79%	119001	57.59%	*65	50.00%	56.25%	61.68%	68.89%
Summary	1150	67.83%	1119849	59.30%	80	52.34%	57.83%	63.00%	69.67%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.
 * Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Business Leadership Score Comparison



30.76% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

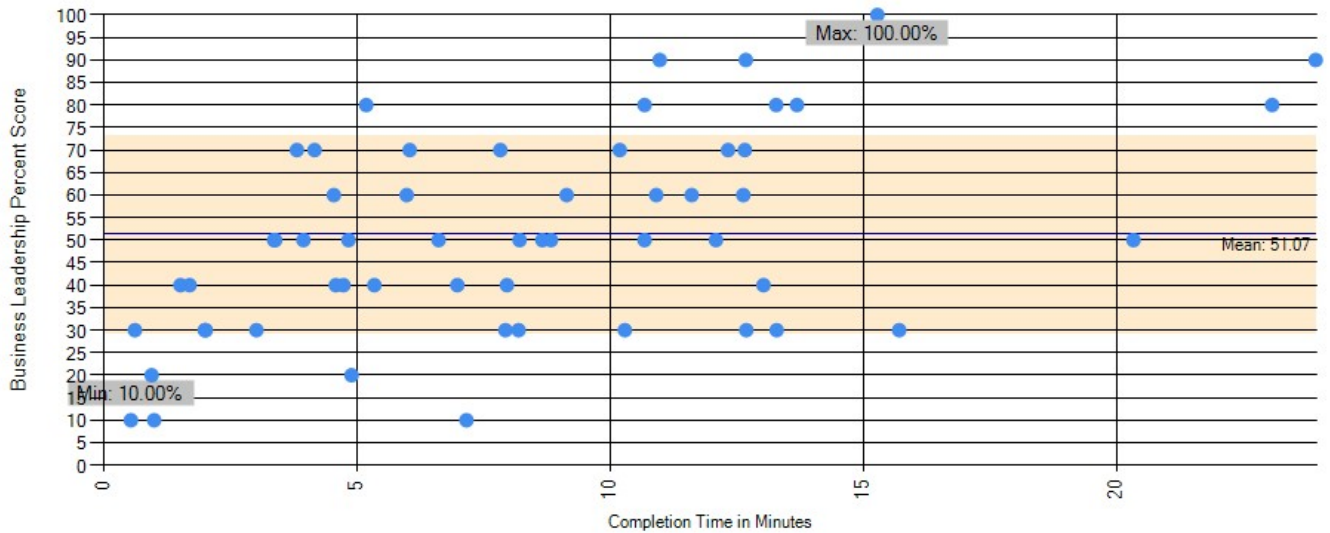
Mean Completion Time (mins): Inbound = 8.3, Outbound = 10

Business Leadership Assessment Summary

Assessment Summary Statistics

<u>Business Leadership</u>	<u>Inbound</u>	<u>Outbound</u>
Sample Size	56	115
Mean Score	51.07%	66.78%
Standard Deviation	21.97	16.99
Min Score	10%	30%
Max Score	100%	100%
Median Score	50%	70%
Mode	50%	60%

Inbound Exam **Business Leadership** Result



Sample Size: 56

Mean Completion Time for this Topic (mins): Inbound = 8.33

Mean Score: 51.07%, Max Score: 100.00%, Min Score: 10.00%

Standard Deviation: 21.97

* Results are sorted by number of minutes taken to complete the topic.

Business Leadership Subject Score Comparison *Inbound Exam*



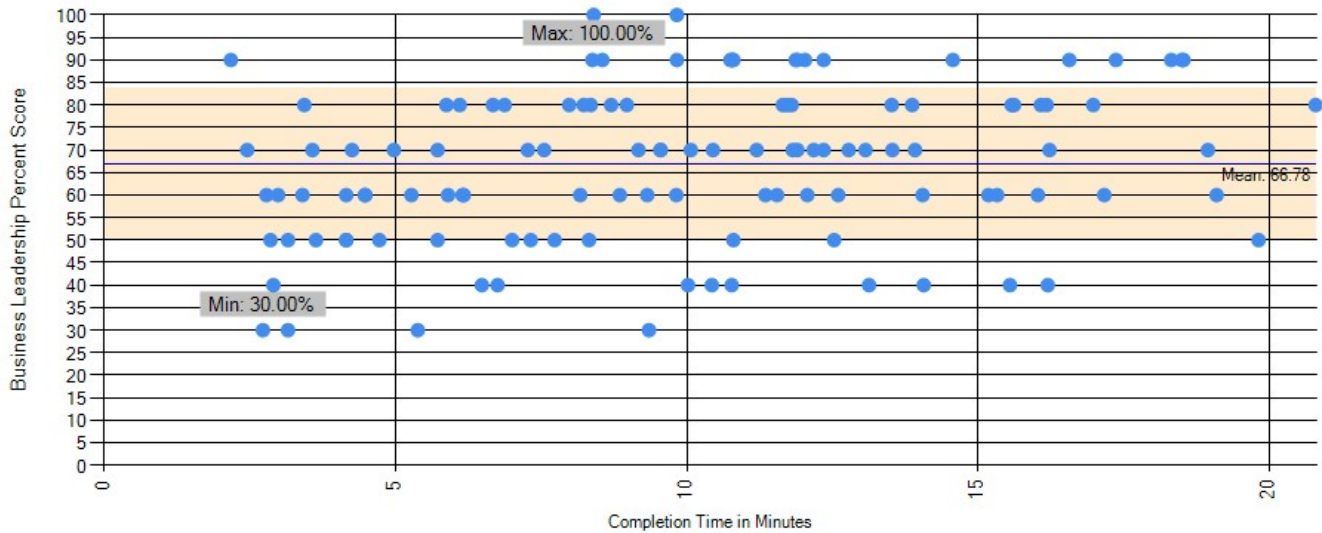
Frequency of Questions Offered on *Inbound Exams*

Business Leadership	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Assessing Leadership Styles	81	49.38%	56967	42.86%	*77	36.96%	41.86%	46.67%	52.07%
Building and Leading Teams	64	50.00%	47819	47.03%	*64	41.18%	45.81%	50.94%	55.81%
Control and Types of Leader Power	51	49.02%	64202	43.15%	*73	36.67%	42.54%	46.81%	52.84%
Employee Development	70	54.29%	55667	51.10%	*60	44.90%	50.00%	55.32%	60.79%
Employee Motivation and Rewards	92	56.52%	91280	43.79%	*93	38.10%	42.86%	46.94%	52.59%
Leader Expectations	65	38.46%	49306	44.47%	*25	38.46%	42.86%	47.06%	53.18%
Leader Traits and Attributes	70	54.29%	61349	46.09%	*81	40.00%	44.68%	50.00%	55.62%
Models of Leadership	67	53.73%	63255	40.44%	*93	34.69%	39.58%	43.75%	49.09%
Summary	560	51.07%	489845	44.55%	88	41.11%	44.33%	47.00%	50.33%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam **Business Leadership** Result



Sample Size: 115

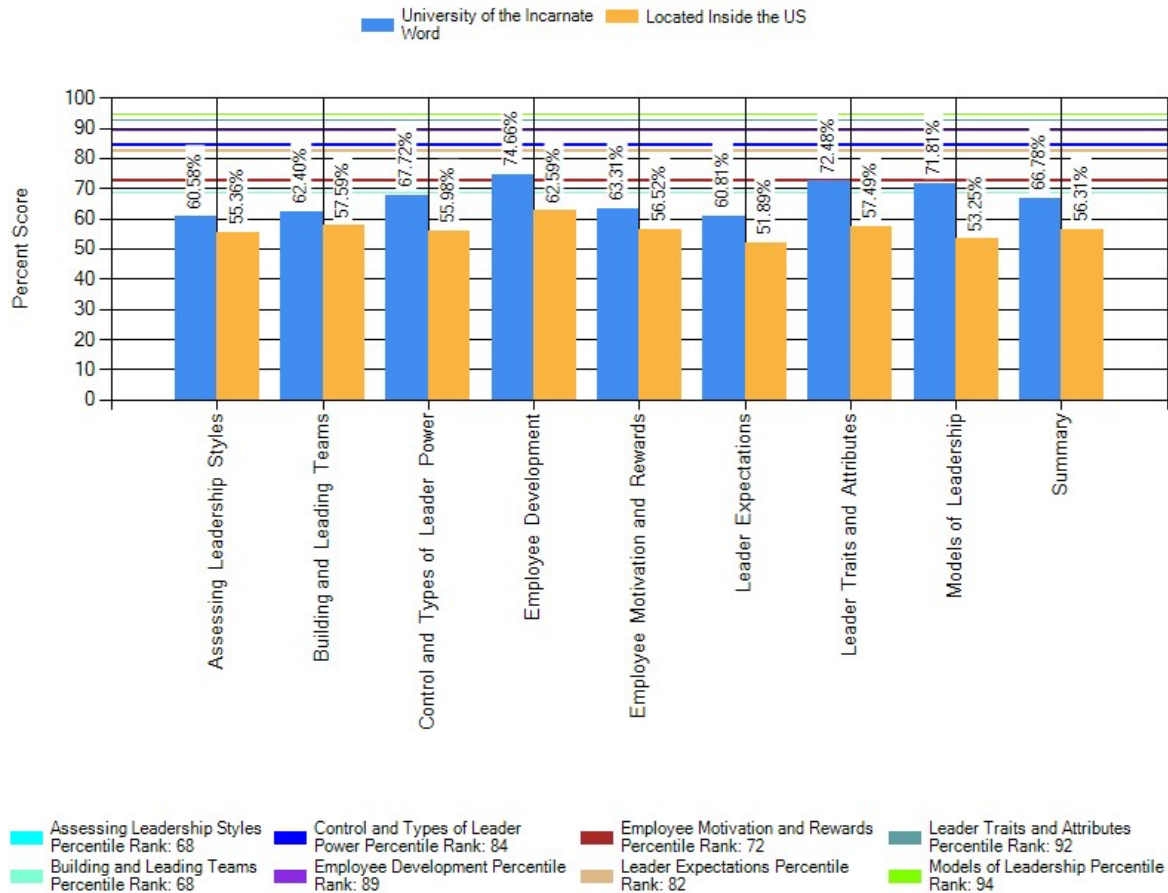
Mean Completion Time for this Topic (mins): Outbound = 10.03

Mean Score: 66.78%, Max Score: 100.00%, Min Score: 30.00%

Standard Deviation: 16.99

* Results are sorted by number of minutes taken to complete the topic.

Business Leadership Subject Score Comparison *Outbound Exam*



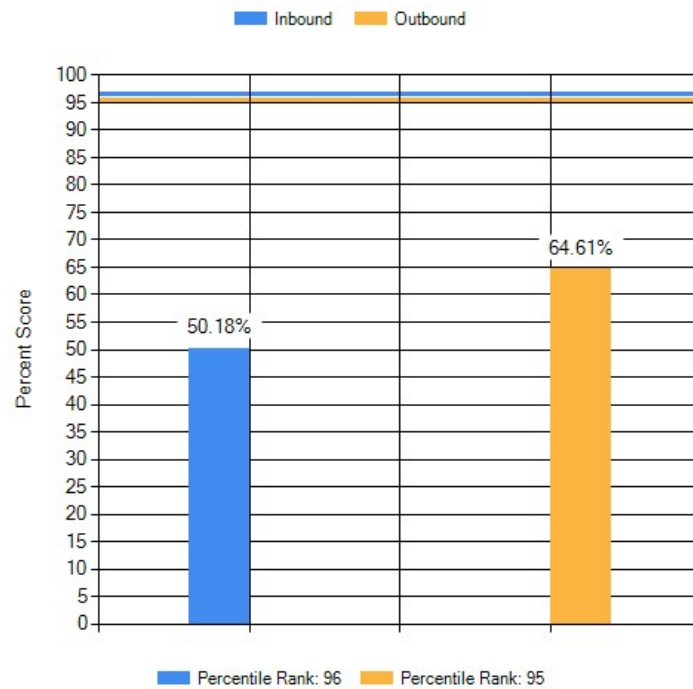
Frequency of Questions Offered on *Outbound Exams*

Business Leadership	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Assessing Leadership Styles	137	60.58%	114459	55.36%	*68	47.83%	54.00%	59.57%	67.27%
Building and Leading Teams	125	62.40%	96644	57.59%	*68	51.22%	56.52%	61.38%	67.50%
Control and Types of Leader Power	127	67.72%	129208	55.98%	*84	48.94%	54.55%	60.00%	67.80%
Employee Development	146	74.66%	111417	62.59%	*89	56.25%	61.85%	66.67%	72.50%
Employee Motivation and Rewards	169	63.31%	184009	56.52%	*72	49.15%	54.84%	60.82%	68.33%
Leader Expectations	148	60.81%	99408	51.89%	*82	45.28%	50.00%	54.90%	61.70%
Leader Traits and Attributes	149	72.48%	124698	57.49%	*92	50.98%	56.52%	61.70%	68.39%
Models of Leadership	149	71.81%	128121	53.25%	*94	45.10%	51.85%	57.69%	65.57%
Summary	1150	66.78%	987964	56.31%	88	50.67%	55.00%	59.34%	65.33%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Economics Score Comparison



28.76% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

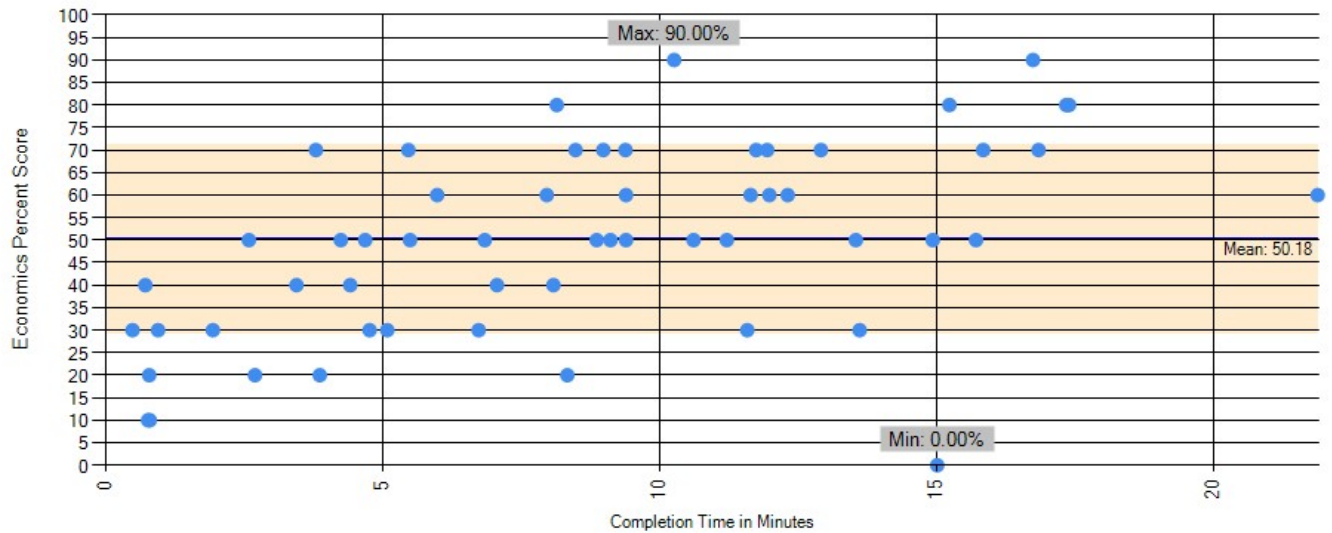
Mean Completion Time (mins): Inbound = 8.7, Outbound = 11.8

Economics Assessment Summary

Assessment Summary Statistics

<u>Economics</u>	<u>Inbound</u>	<u>Outbound</u>
Sample Size	56	115
Mean Score	50.18%	64.61%
Standard Deviation	21.11	17.64
Min Score	0%	20%
Max Score	90%	100%
Median Score	50%	70%
Mode	50%	70%

Inbound Exam **Economics** Result



Sample Size: 56

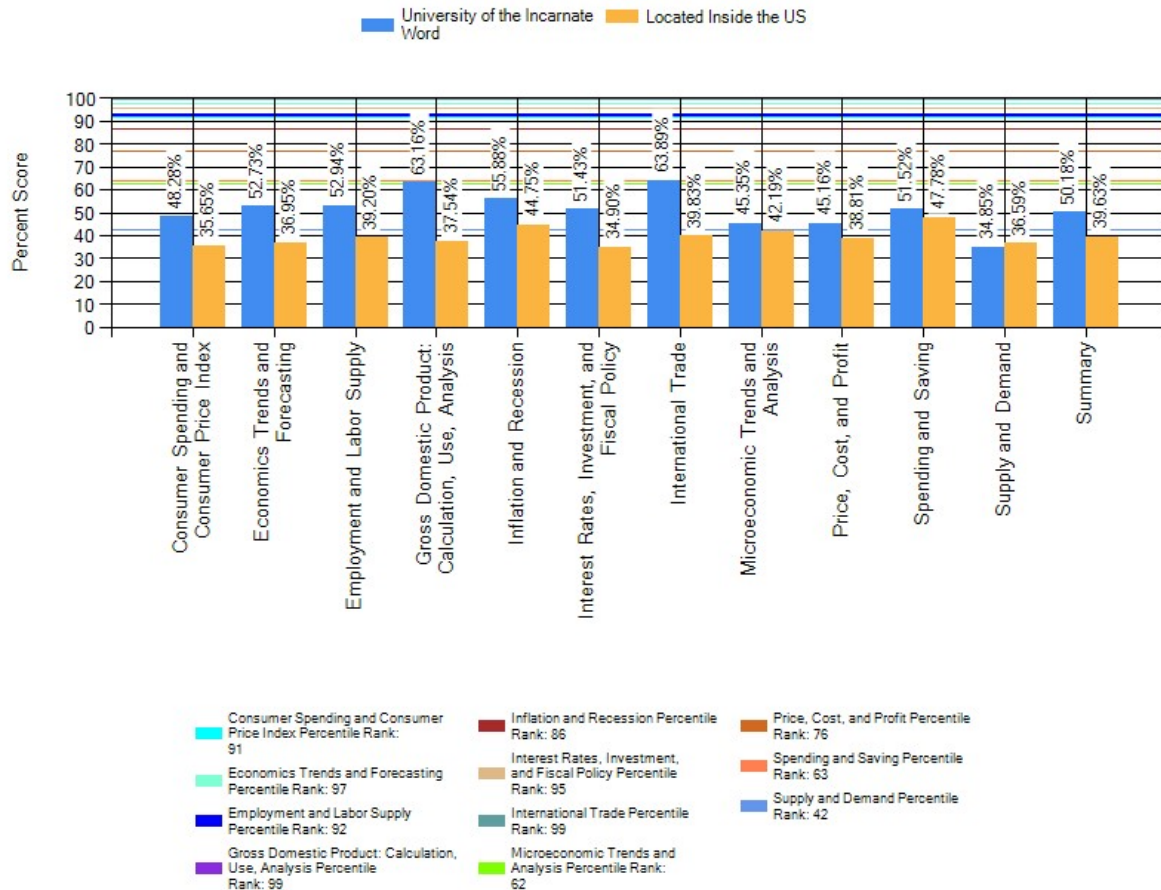
Mean Completion Time for this Topic (mins): Inbound = 8.73

Mean Score: 50.18%, Max Score: 90.00%, Min Score: 0.00%

Standard Deviation: 21.11

* Results are sorted by number of minutes taken to complete the topic.

Economics Subject Score Comparison *Inbound Exam*



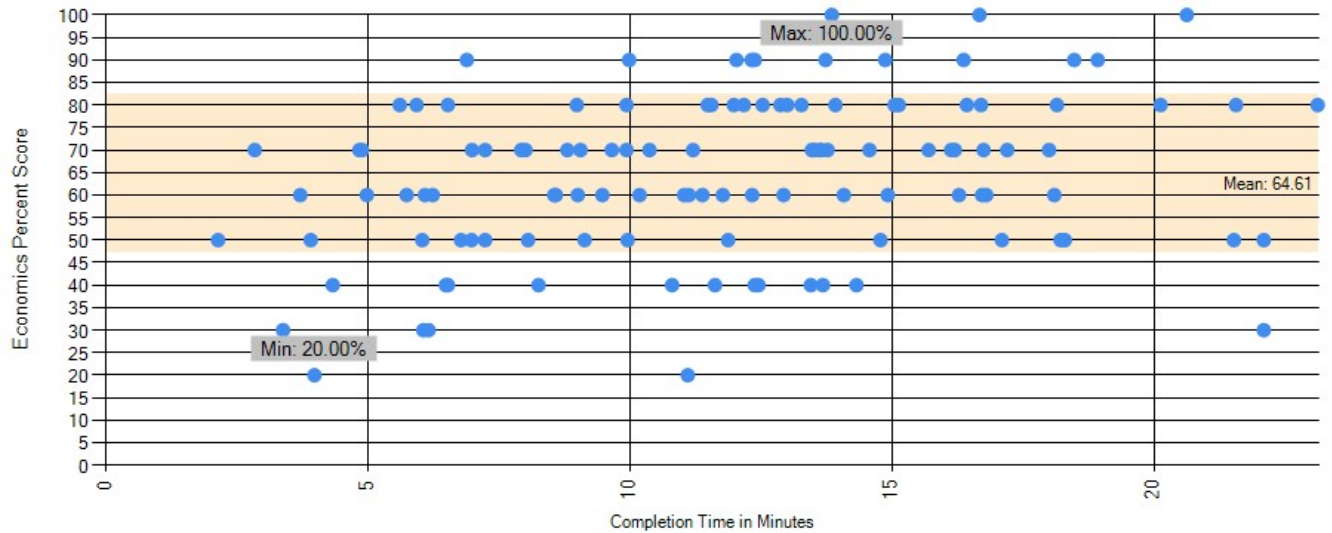
Frequency of Questions Offered on *Inbound Exams*

Economics	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Consumer Spending and Consumer Price Index	29	48.28%	17076	35.65%	*91	29.41%	33.33%	39.02%	45.45%
Economics Trends and Forecasting	55	52.73%	31817	36.95%	*97	30.99%	35.48%	40.54%	46.49%
Employment and Labor Supply	34	52.94%	19597	39.20%	*92	33.33%	37.84%	42.50%	48.89%
Gross Domestic Product: Calculation, Use, Analysis	57	63.16%	34316	37.54%	*99	31.11%	36.17%	40.89%	47.50%
Inflation and Recession	34	55.88%	18841	44.75%	*86	38.24%	43.59%	48.80%	55.07%
Interest Rates, Investment, and Fiscal Policy	35	51.43%	18878	34.90%	*95	28.21%	33.33%	38.10%	44.44%
International Trade	36	63.89%	16509	39.83%	*99	32.50%	38.89%	43.75%	50.00%
Microeconomic Trends and Analysis	86	45.35%	57972	42.19%	*62	36.02%	41.47%	46.03%	51.75%
Price, Cost, and Profit	62	45.16%	35518	38.81%	*76	33.33%	37.78%	42.22%	47.83%
Spending and Saving	66	51.52%	28547	47.78%	*63	41.18%	46.34%	52.17%	58.53%
Supply and Demand	66	34.85%	33017	36.59%	*42	30.77%	35.62%	39.47%	45.24%
Summary	560	50.18%	312088	39.63%	96	35.37%	39.00%	42.33%	46.27%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam **Economics** Result



Sample Size: 115

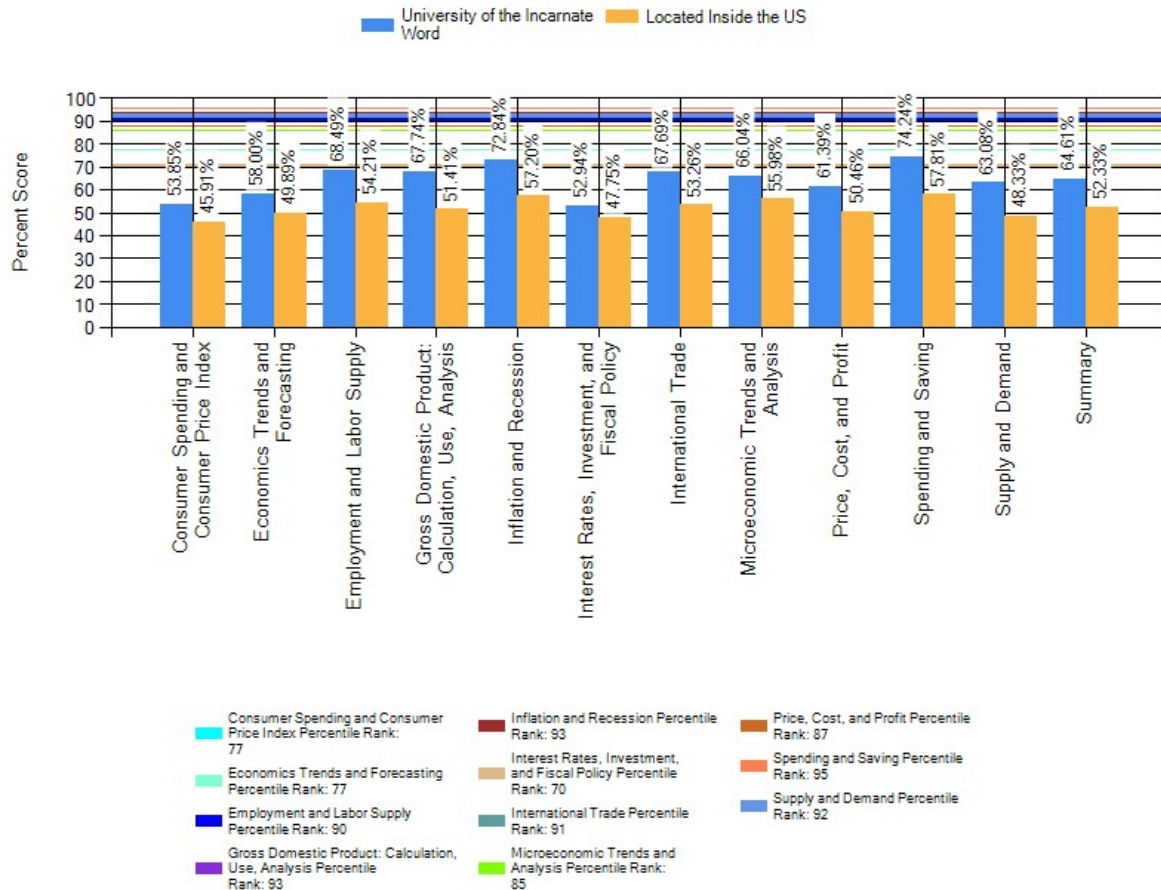
Mean Completion Time for this Topic (mins): Outbound = 11.82

Mean Score: 64.61%, Max Score: 100.00%, Min Score: 20.00%

Standard Deviation: 17.64

* Results are sorted by number of minutes taken to complete the topic.

Economics Subject Score Comparison *Outbound Exam*



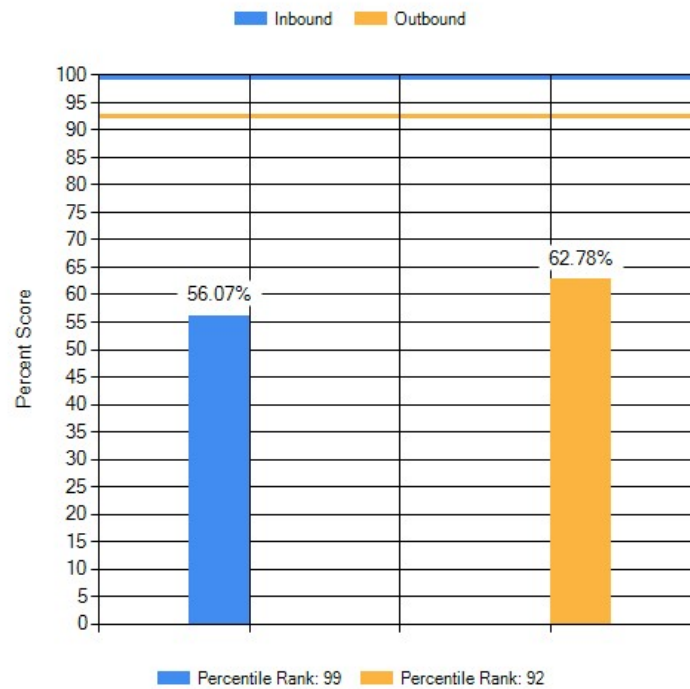
Frequency of Questions Offered on *Outbound Exams*

Economics	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Consumer Spending and Consumer Price Index	78	53.85%	55399	45.91%	*77	38.89%	44.19%	50.00%	57.14%
Economics Trends and Forecasting	100	58.00%	96101	49.89%	*77	42.50%	48.00%	53.85%	60.98%
Employment and Labor Supply	73	68.49%	62196	54.21%	*90	46.47%	52.63%	58.33%	65.79%
Gross Domestic Product: Calculation, Use, Analysis	93	67.74%	103812	51.41%	*93	44.19%	50.00%	55.85%	62.22%
Inflation and Recession	81	72.84%	59934	57.20%	*93	50.00%	55.56%	61.76%	68.29%
Interest Rates, Investment, and Fiscal Policy	85	52.94%	60361	47.75%	*70	40.54%	46.34%	51.43%	57.89%
International Trade	65	67.69%	54583	53.26%	*91	45.95%	52.31%	57.58%	64.63%
Microeconomic Trends and Analysis	212	66.04%	182228	55.98%	*85	50.00%	55.00%	60.00%	65.57%
Price, Cost, and Profit	101	61.39%	111175	50.46%	*87	44.19%	50.00%	54.35%	60.38%
Spending and Saving	132	74.24%	93401	57.81%	*95	51.35%	56.82%	61.76%	67.70%
Supply and Demand	130	63.08%	105901	48.33%	*92	41.46%	46.81%	52.50%	58.70%
Summary	1150	64.61%	985091	52.33%	95	47.33%	51.45%	55.33%	60.00%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Economics: Macroeconomics Score Comparison



11.97% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

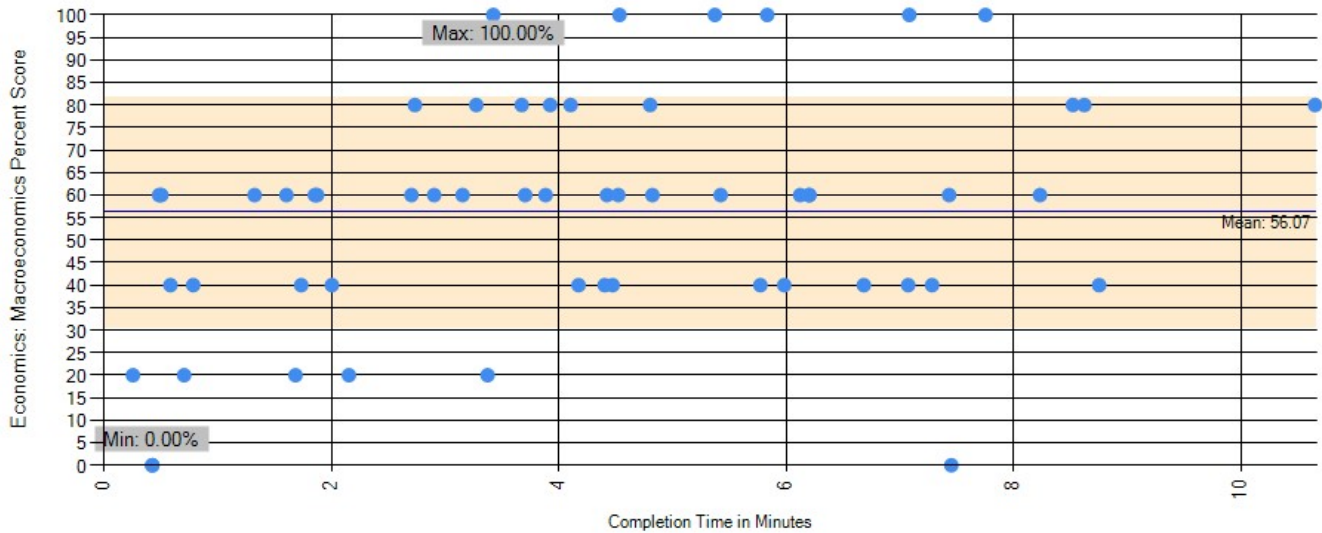
Mean Completion Time (mins): Inbound = 4.2, Outbound = 6.2

Economics: Macroeconomics Assessment Summary

Assessment Summary Statistics

<u>Economics: Macroeconomics</u>	<u>Inbound</u>	<u>Outbound</u>
Sample Size	56	115
Mean Score	56.07%	62.78%
Standard Deviation	25.70	23.97
Min Score	0%	0%
Max Score	100%	100%
Median Score	60%	60%
Mode	60%	60%

Inbound Exam **Economics: Macroeconomics** Result



Sample Size: 56

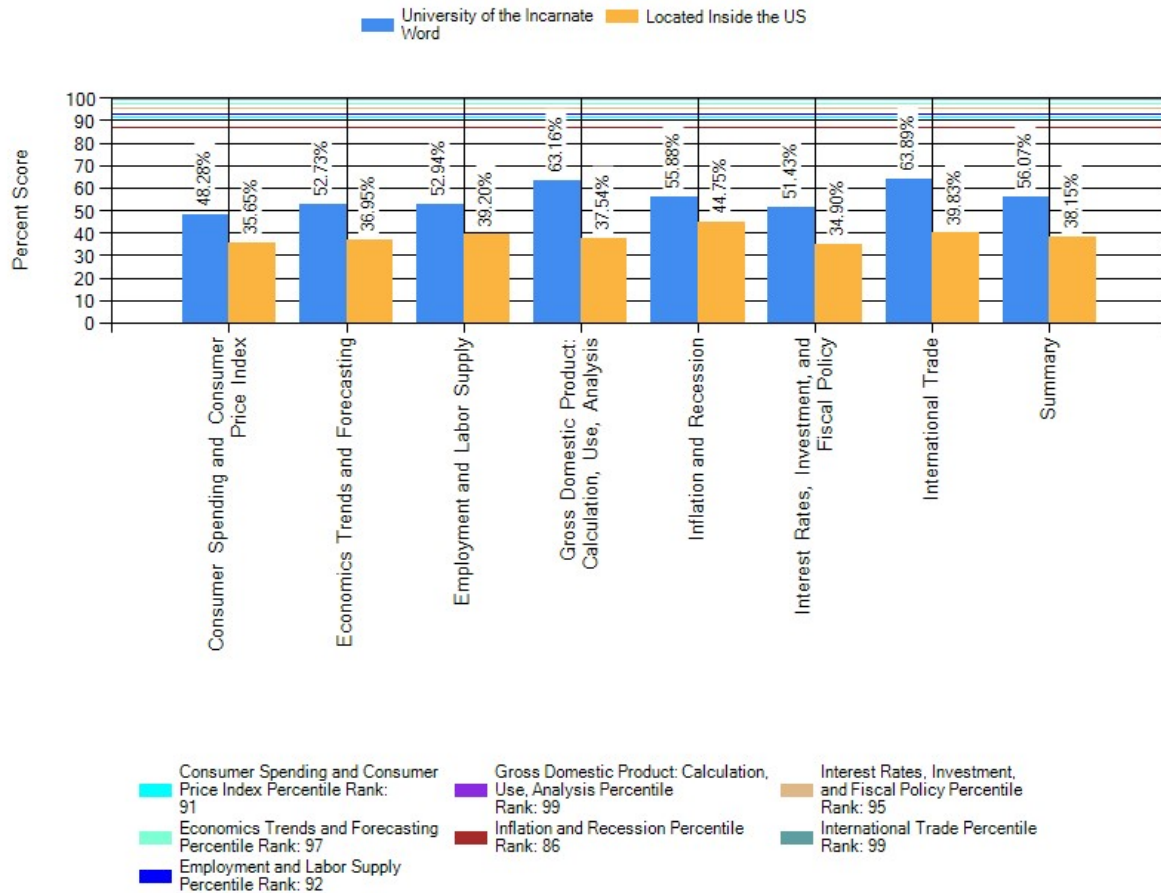
Mean Completion Time for this Topic (mins): Inbound = 4.25

Mean Score: 56.07%, Max Score: 100.00%, Min Score: 0.00%

Standard Deviation: 25.70

* Results are sorted by number of minutes taken to complete the topic.

Economics: Macroeconomics Subject Score Comparison *Inbound Exam*



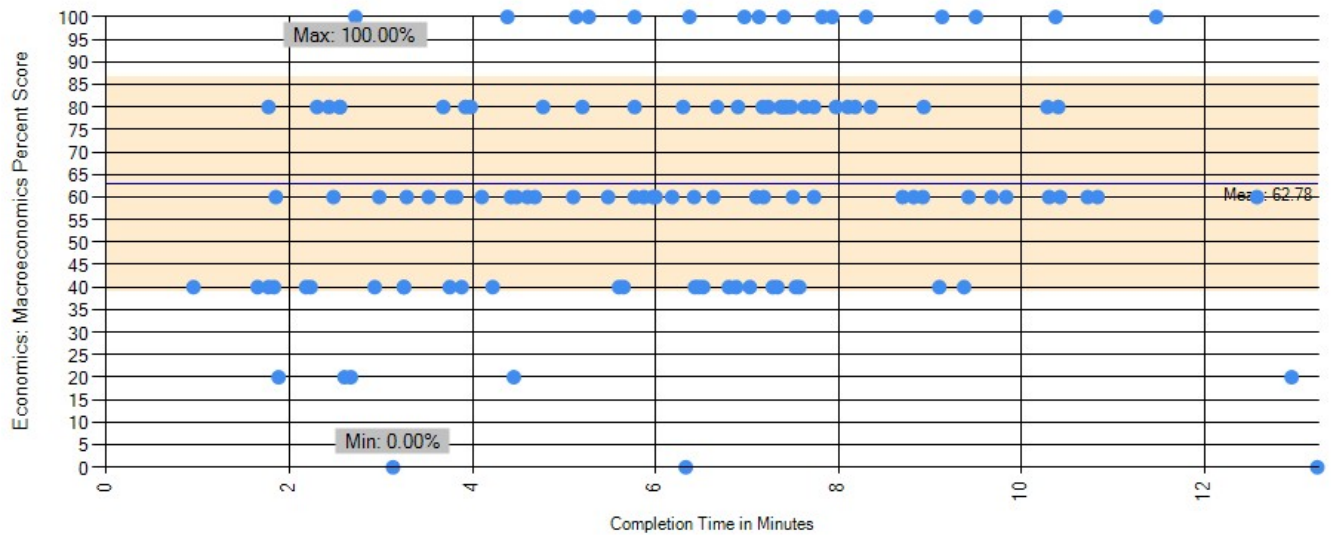
Frequency of Questions Offered on *Inbound Exams*

Economics: Macroeconomics	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Consumer Spending and Consumer Price Index	29	48.28%	17076	35.65%	*91	29.41%	33.33%	39.02%	45.45%
Economics Trends and Forecasting	55	52.73%	31817	36.95%	*97	30.99%	35.48%	40.54%	46.49%
Employment and Labor Supply	34	52.94%	19597	39.20%	*92	33.33%	37.84%	42.50%	48.89%
Gross Domestic Product: Calculation, Use, Analysis	57	63.16%	34316	37.54%	*99	31.11%	36.17%	40.89%	47.50%
Inflation and Recession	34	55.88%	18841	44.75%	*86	38.24%	43.59%	48.80%	55.07%
Interest Rates, Investment, and Fiscal Policy	35	51.43%	18878	34.90%	*95	28.21%	33.33%	38.10%	44.44%
International Trade	36	63.89%	16509	39.83%	*99	32.50%	38.89%	43.75%	50.00%
Summary	280	56.07%	157034	38.15%	99	33.33%	37.33%	40.67%	45.33%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam **Economics: Macroeconomics** Result



Sample Size: 115

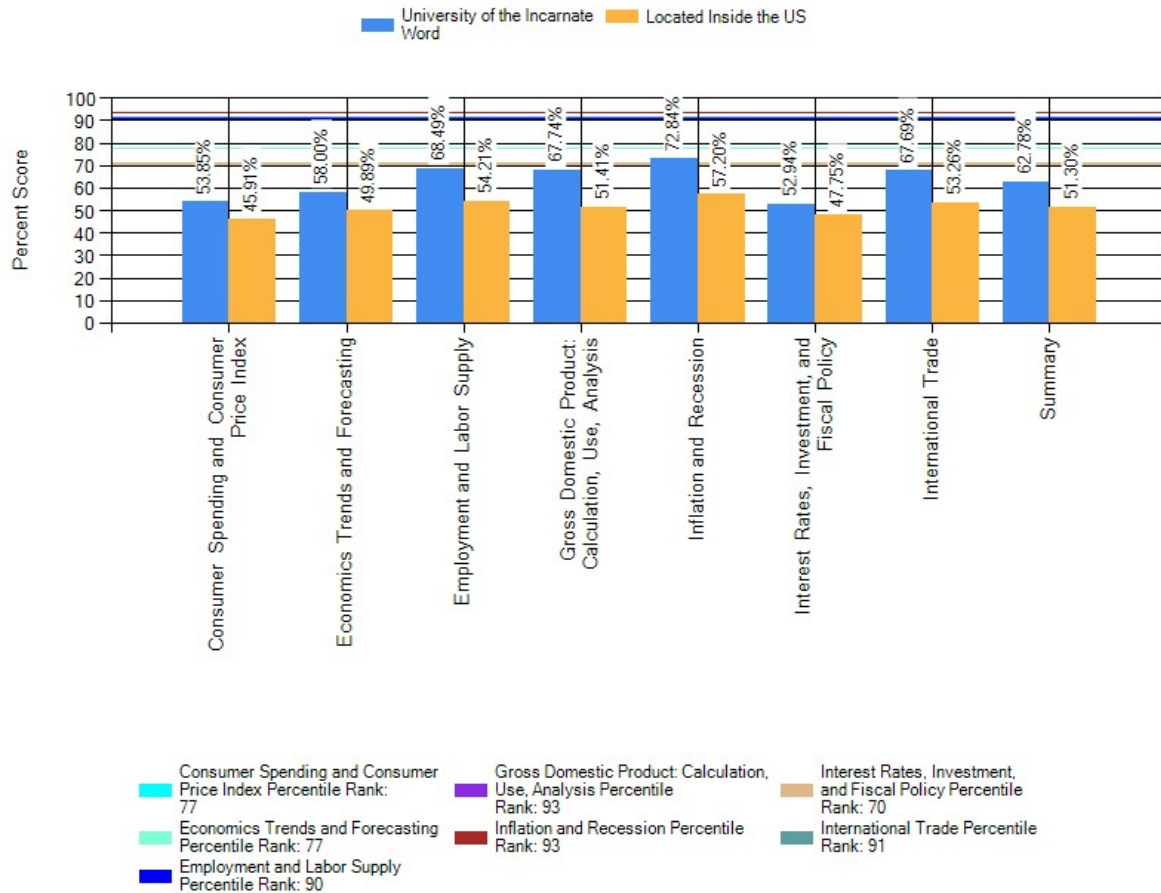
Mean Completion Time for this Topic (mins): Outbound = 6.18

Mean Score: 62.78%, Max Score: 100.00%, Min Score: 0.00%

Standard Deviation: 23.97

* Results are sorted by number of minutes taken to complete the topic.

Economics: Macroeconomics Subject Score Comparison *Outbound Exam*



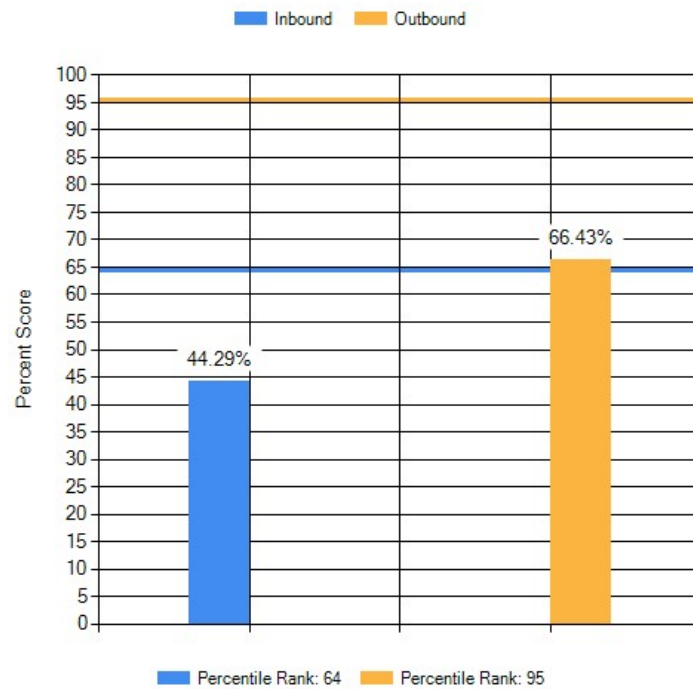
Frequency of Questions Offered on *Outbound Exams*

Economics: Macroeconomics	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Consumer Spending and Consumer Price Index	78	53.85%	55399	45.91%	*77	38.89%	44.19%	50.00%	57.14%
Economics Trends and Forecasting	100	58.00%	96101	49.89%	*77	42.50%	48.00%	53.85%	60.98%
Employment and Labor Supply	73	68.49%	62196	54.21%	*90	46.47%	52.63%	58.33%	65.79%
Gross Domestic Product: Calculation, Use, Analysis	93	67.74%	103812	51.41%	*93	44.19%	50.00%	55.85%	62.22%
Inflation and Recession	81	72.84%	59934	57.20%	*93	50.00%	55.56%	61.76%	68.29%
Interest Rates, Investment, and Fiscal Policy	85	52.94%	60361	47.75%	*70	40.54%	46.34%	51.43%	57.89%
International Trade	65	67.69%	54583	53.26%	*91	45.95%	52.31%	57.58%	64.63%
Summary	575	62.78%	492386	51.30%	92	45.45%	50.00%	54.67%	60.00%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Economics: Microeconomics Score Comparison



49.99% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

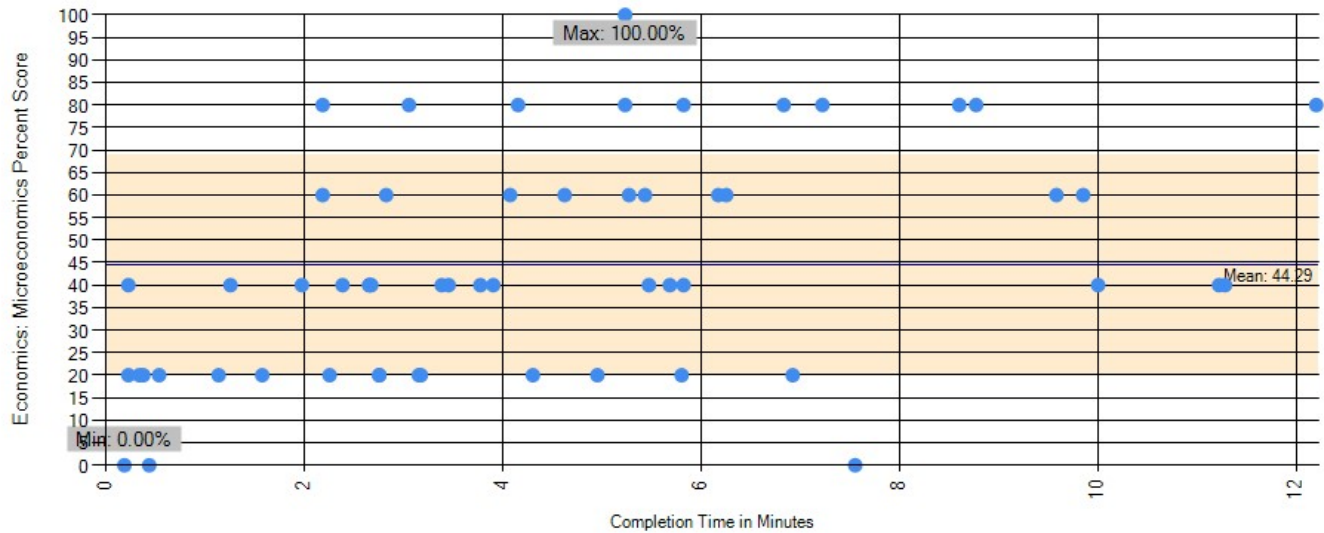
Mean Completion Time (mins): Inbound = 4.5, Outbound = 5.6

Economics: Microeconomics Assessment Summary

Assessment Summary Statistics

<u>Economics: Microeconomics</u>	<u>Inbound</u>	<u>Outbound</u>
Sample Size	56	115
Mean Score	44.29%	66.43%
Standard Deviation	24.63	21.28
Min Score	0%	0%
Max Score	100%	100%
Median Score	40%	60%
Mode	40%	80%

Inbound Exam Economics: Microeconomics Result



Sample Size: 56

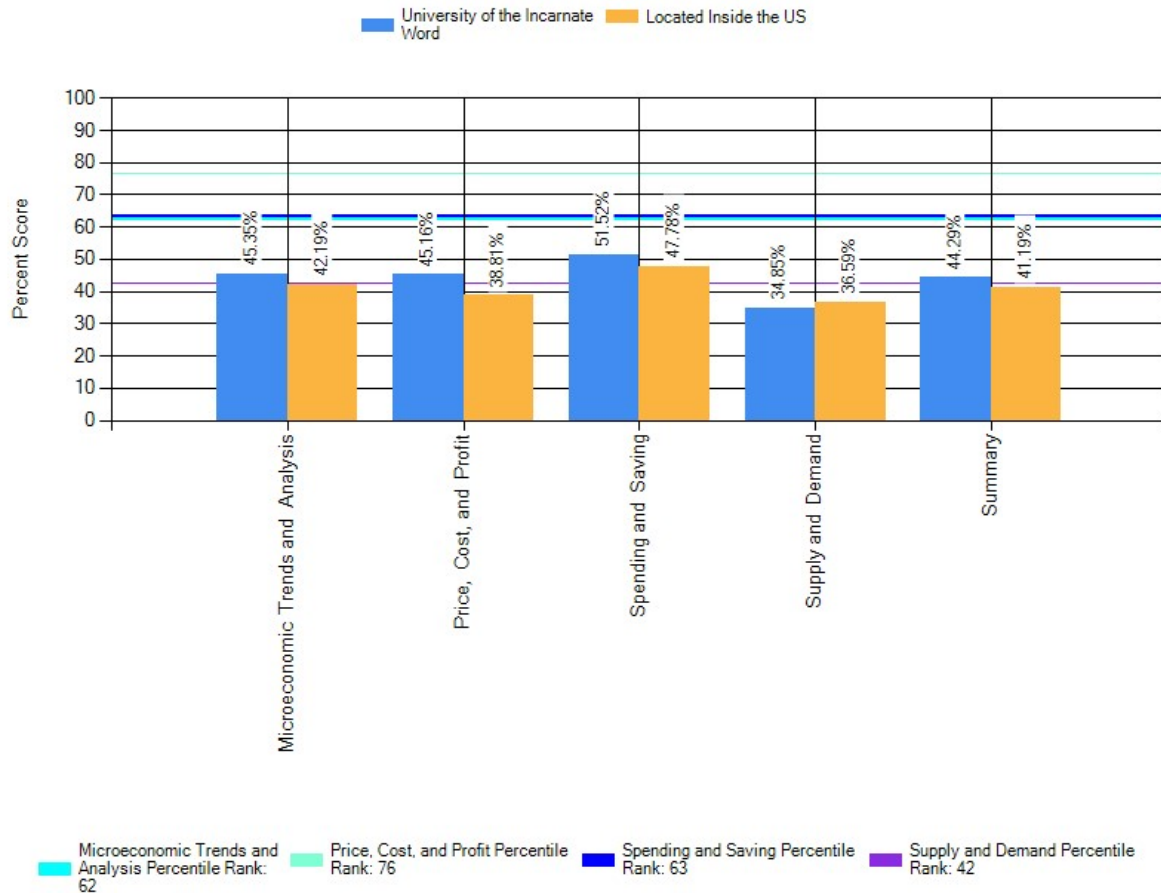
Mean Completion Time for this Topic (mins): Inbound = 4.50

Mean Score: 44.29%, Max Score: 100.00%, Min Score: 0.00%

Standard Deviation: 24.63

* Results are sorted by number of minutes taken to complete the topic.

Economics: Microeconomics Subject Score Comparison *Inbound Exam*



Frequency of Questions Offered on *Inbound Exams*

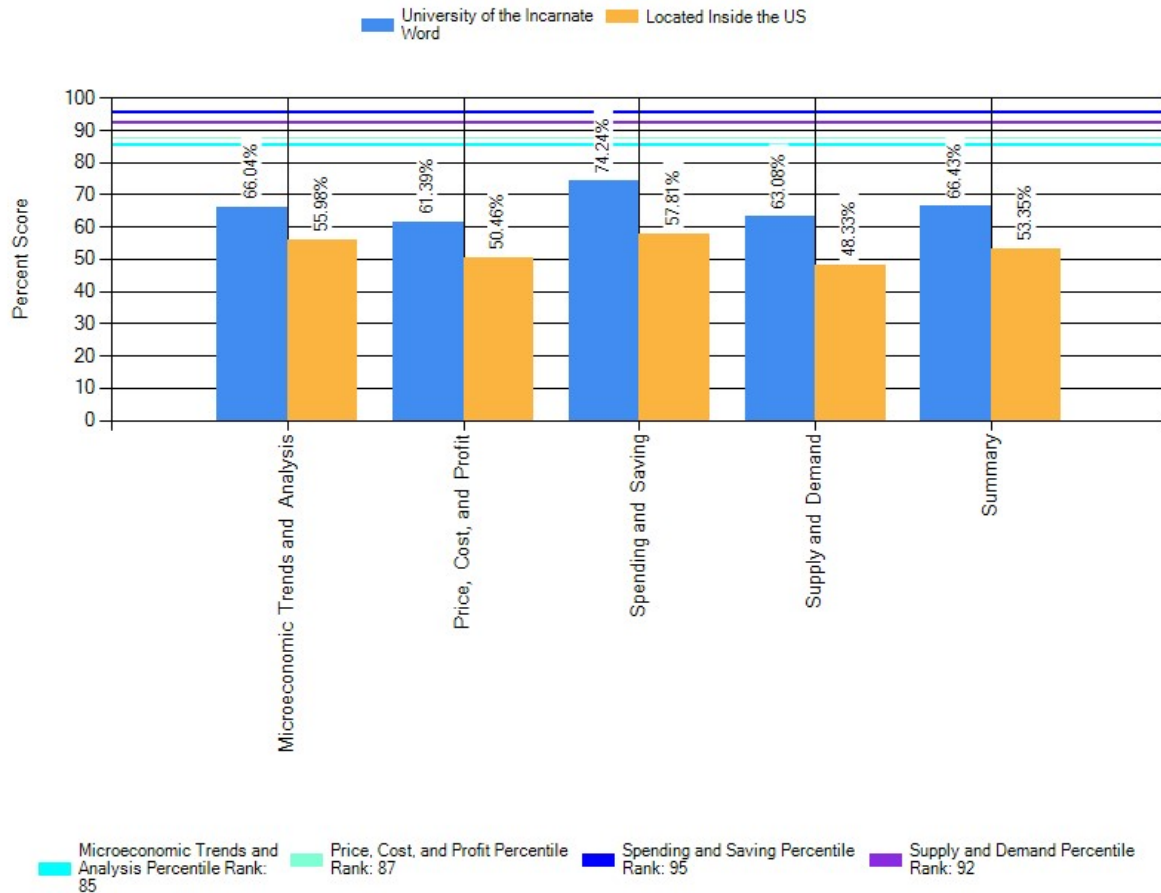
Economics: Microeconomics	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Microeconomic Trends and Analysis	86	45.35%	57972	42.19%	*62	36.02%	41.47%	46.03%	51.75%
Price, Cost, and Profit	62	45.16%	35518	38.81%	*76	33.33%	37.78%	42.22%	47.83%
Spending and Saving	66	51.52%	28547	47.78%	*63	41.18%	46.34%	52.17%	58.53%
Supply and Demand	66	34.85%	33017	36.59%	*42	30.77%	35.62%	39.47%	45.24%
Summary	280	44.29%	155054	41.19%	64	36.67%	40.67%	44.32%	48.67%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

5/28/2021 5:18:34 PM

Economics: Microeconomics Subject Score Comparison *Outbound Exam*



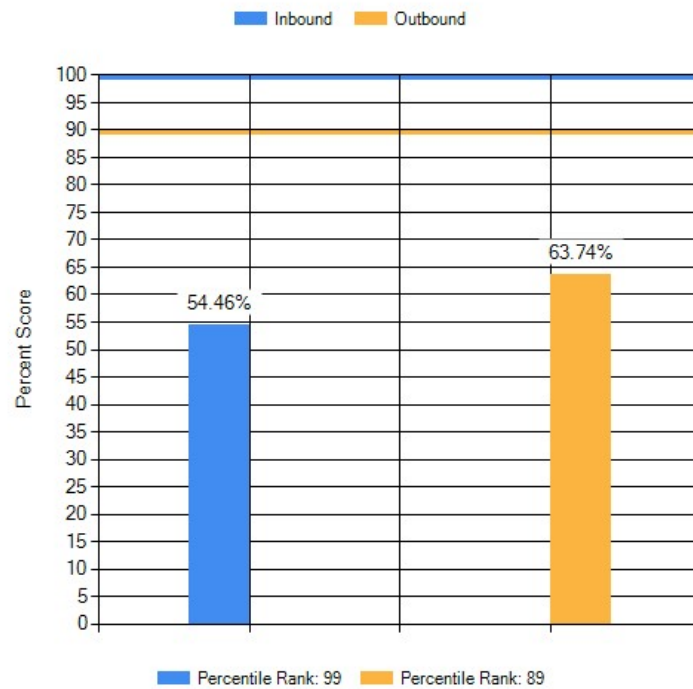
Frequency of Questions Offered on *Outbound Exams*

Economics: Microeconomics	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Microeconomic Trends and Analysis	212	66.04%	182228	55.98%	*85	50.00%	55.00%	60.00%	65.57%
Price, Cost, and Profit	101	61.39%	111175	50.46%	*87	44.19%	50.00%	54.35%	60.38%
Spending and Saving	132	74.24%	93401	57.81%	*95	51.35%	56.82%	61.76%	67.70%
Supply and Demand	130	63.08%	105901	48.33%	*92	41.46%	46.81%	52.50%	58.70%
Summary	575	66.43%	492705	53.35%	95	48.39%	52.67%	56.67%	61.33%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Global Dimensions of Business Score Comparison



17.04% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

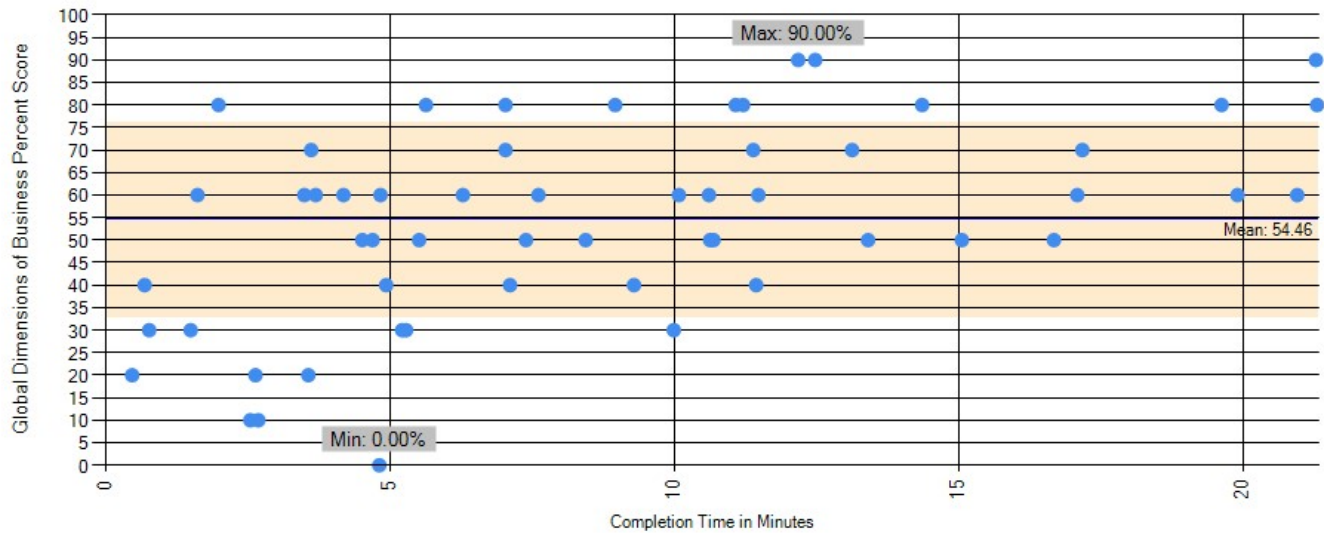
Mean Completion Time (mins): Inbound = 8.8, Outbound = 11.3

Global Dimensions of Business Assessment Summary

Assessment Summary Statistics

<u>Global Dimensions of Business</u>	<u>Inbound</u>	<u>Outbound</u>
Sample Size	56	115
Mean Score	54.46%	63.74%
Standard Deviation	21.74	17.89
Min Score	0%	20%
Max Score	90%	100%
Median Score	60%	60%
Mode	60%	70%

Inbound Exam Global Dimensions of Business Result



Sample Size: 56

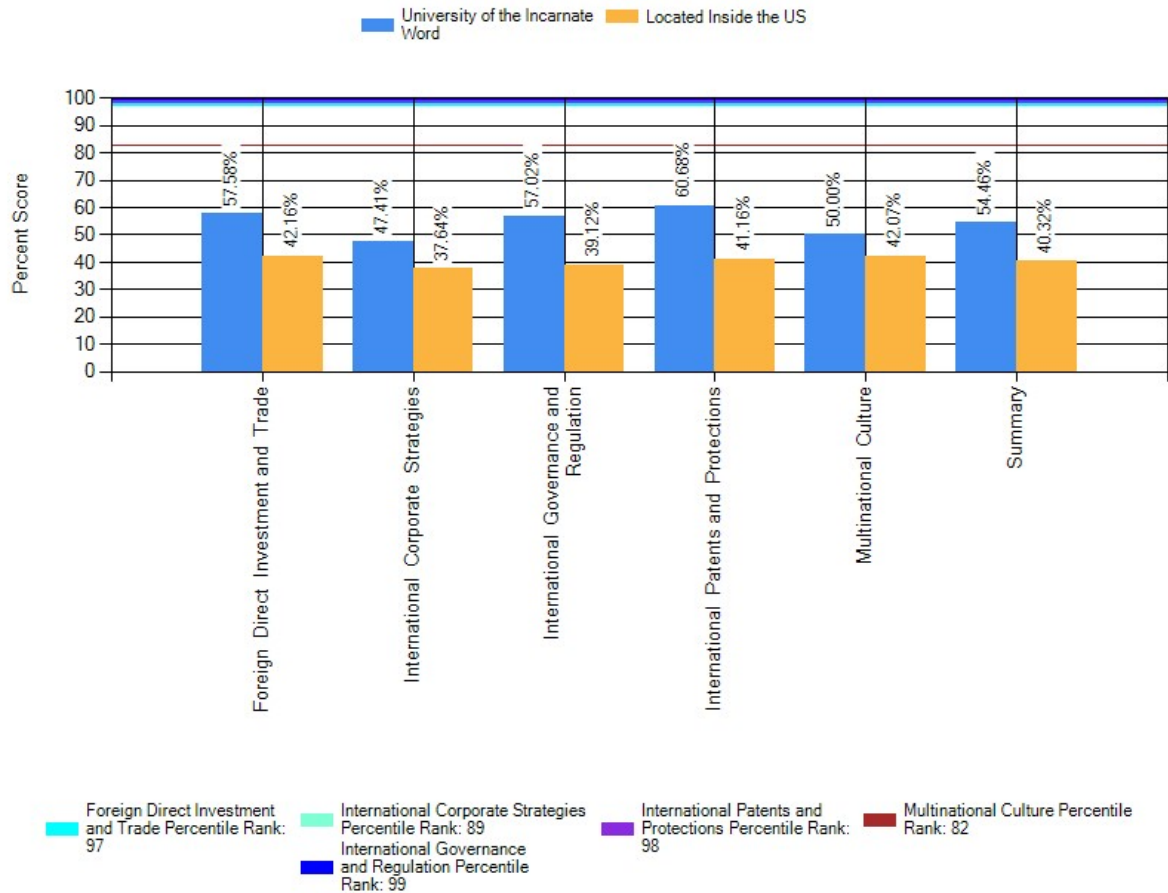
Mean Completion Time for this Topic (mins): Inbound = 8.77

Mean Score: 54.46%, Max Score: 90.00%, Min Score: 0.00%

Standard Deviation: 21.74

* Results are sorted by number of minutes taken to complete the topic.

Global Dimensions of Business Subject Score Comparison *Inbound Exam*



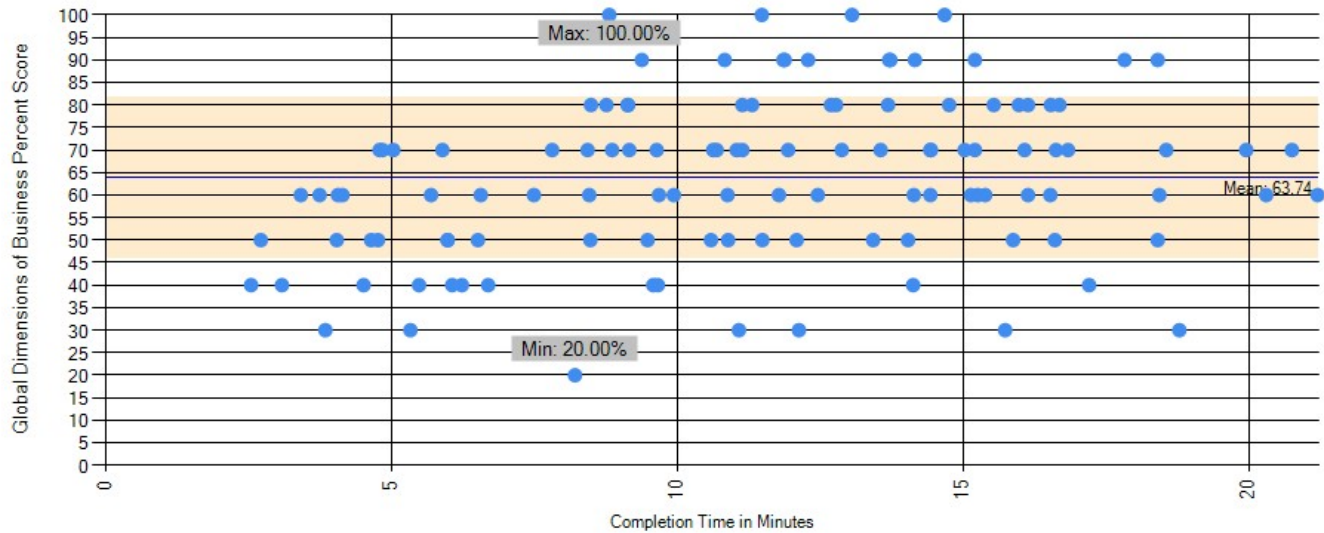
Frequency of Questions Offered on *Inbound Exams*

Global Dimensions of Business	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Foreign Direct Investment and Trade	99	57.58%	77262	42.16%	*97	36.82%	41.54%	45.27%	50.00%
International Corporate Strategies	116	47.41%	82374	37.64%	*89	32.35%	36.67%	40.64%	45.90%
International Governance and Regulation	114	57.02%	70256	39.12%	*99	33.87%	38.24%	42.04%	47.43%
International Patents and Protections	117	60.68%	65870	41.16%	*98	35.38%	39.66%	44.44%	50.73%
Multinational Culture	114	50.00%	69654	42.07%	*82	35.69%	41.27%	46.15%	51.04%
Summary	560	54.46%	365416	40.32%	99	36.05%	39.67%	43.00%	46.75%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam Global Dimensions of Business Result



Sample Size: 115

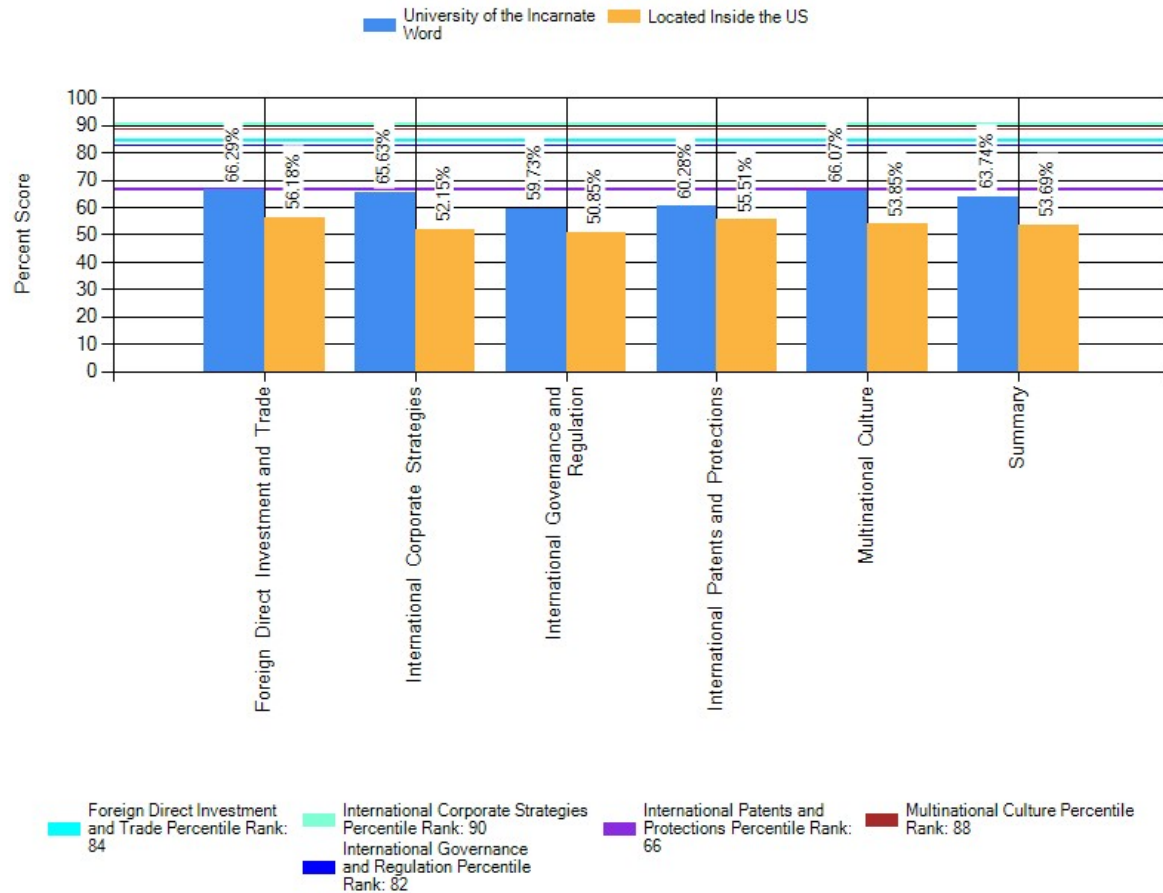
Mean Completion Time for this Topic (mins): Outbound = 11.35

Mean Score: 63.74%, Max Score: 100.00%, Min Score: 20.00%

Standard Deviation: 17.89

* Results are sorted by number of minutes taken to complete the topic.

Global Dimensions of Business Subject Score Comparison *Outbound Exam*



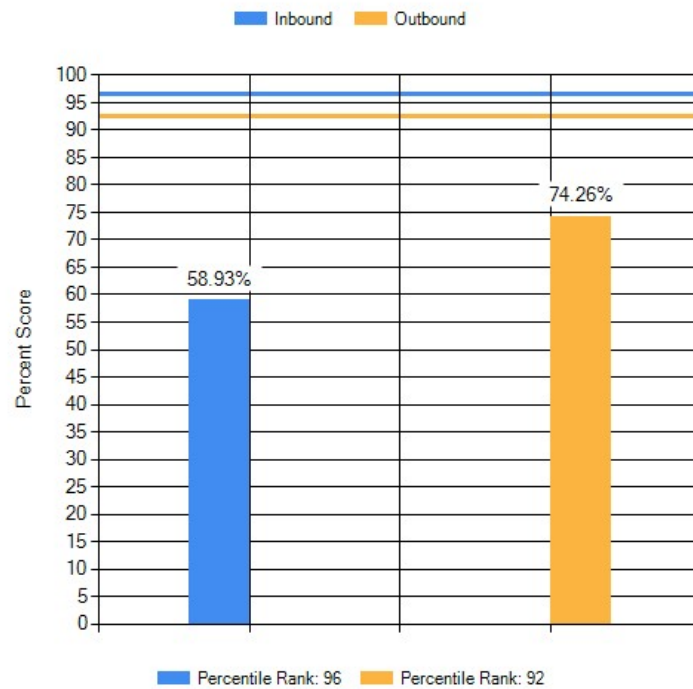
Frequency of Questions Offered on *Outbound Exams*

Global Dimensions of Business	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Foreign Direct Investment and Trade	267	66.29%	210466	56.18%	*84	49.25%	54.93%	60.00%	66.67%
International Corporate Strategies	224	65.63%	221726	52.15%	*90	45.16%	50.79%	56.00%	62.66%
International Governance and Regulation	221	59.73%	194140	50.85%	*82	44.08%	49.23%	54.41%	61.02%
International Patents and Protections	214	60.28%	183163	55.51%	*66	48.00%	54.03%	59.66%	66.67%
Multinational Culture	224	66.07%	193004	53.85%	*88	47.06%	52.54%	57.87%	64.52%
Summary	1150	63.74%	1002499	53.69%	89	47.96%	52.51%	56.67%	62.28%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Information Management Systems Score Comparison



26.01% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

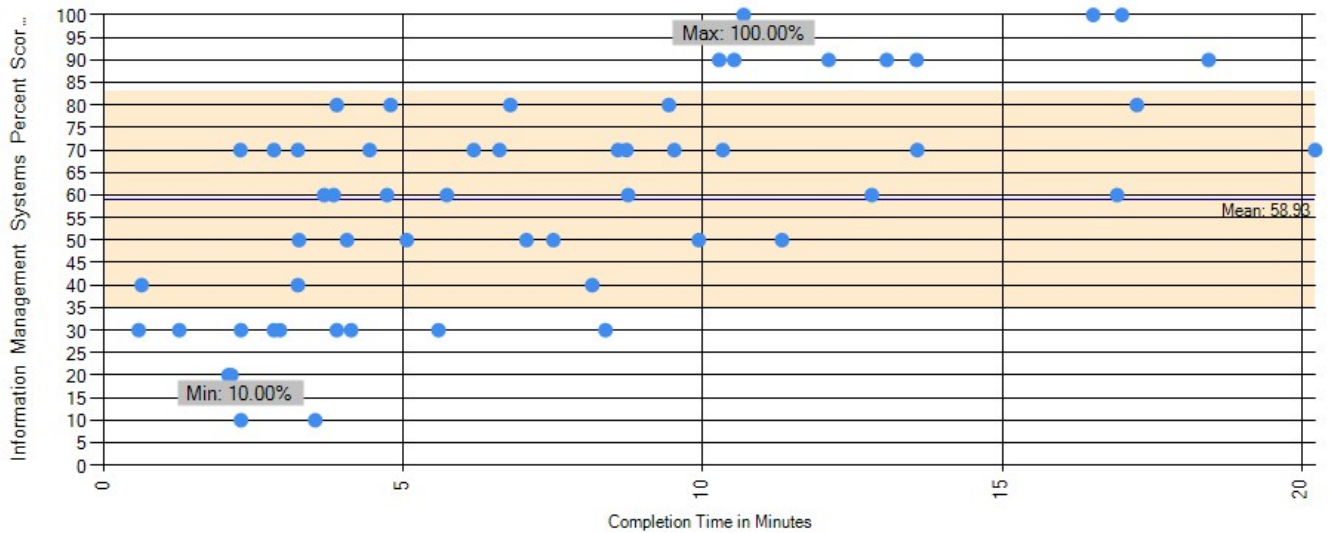
Mean Completion Time (mins): Inbound = 7.5, Outbound = 9.1

Information Management Systems Assessment Summary

Assessment Summary Statistics

Information Management Systems	Inbound	Outbound
Sample Size	56	115
Mean Score	58.93%	74.26%
Standard Deviation	23.95	20.78
Min Score	10%	20%
Max Score	100%	100%
Median Score	60%	80%
Mode	70%	90%

Inbound Exam Information Management Systems Result



Sample Size: 56

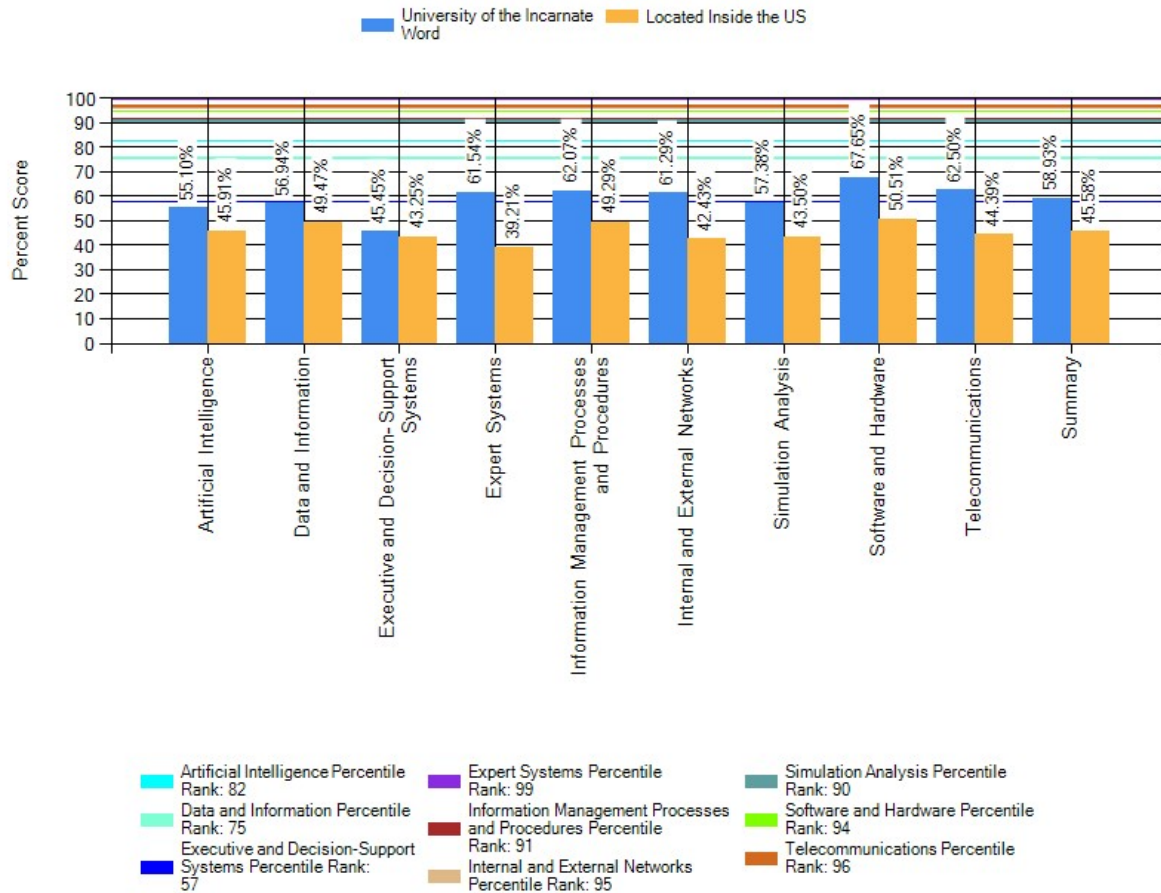
Mean Completion Time for this Topic (mins): Inbound = 7.48

Mean Score: 58.93%, Max Score: 100.00%, Min Score: 10.00%

Standard Deviation: 23.95

* Results are sorted by number of minutes taken to complete the topic.

Information Management Systems Subject Score Comparison *Inbound Exam*



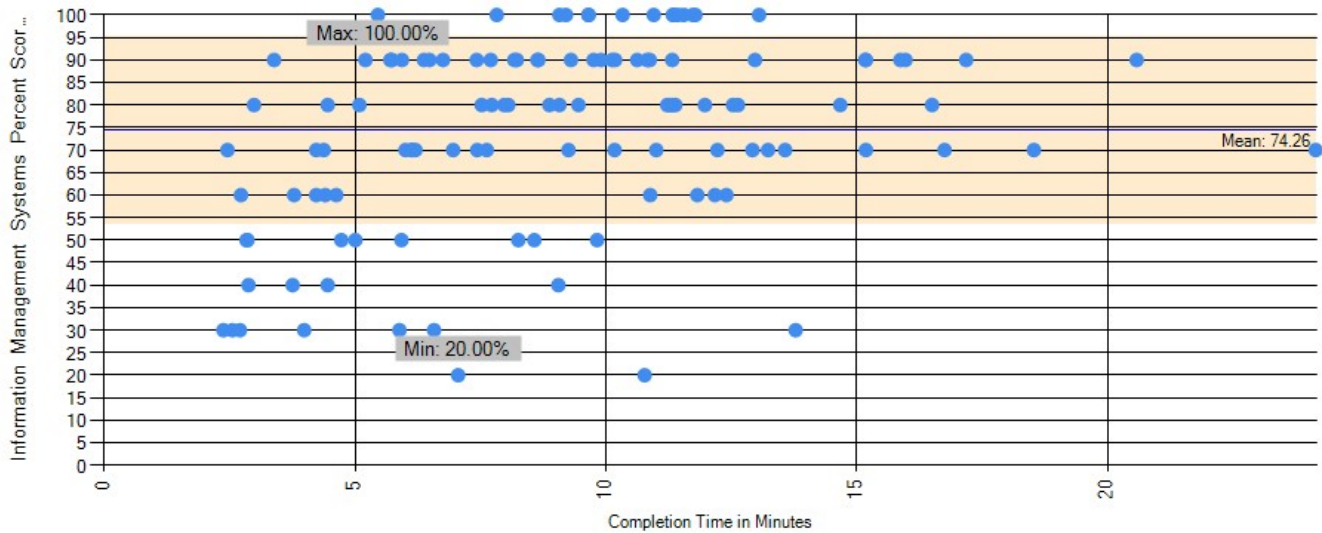
Frequency of Questions Offered on *Inbound Exams*

Information Management Systems	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Artificial Intelligence	49	55.10%	33109	45.91%	*82	39.22%	44.64%	50.00%	56.25%
Data and Information	72	56.94%	30924	49.47%	*75	42.57%	47.73%	53.33%	60.53%
Executive and Decision-Support Systems	66	45.45%	38267	43.25%	*57	36.98%	42.11%	47.80%	53.49%
Expert Systems	52	61.54%	28120	39.21%	*99	33.33%	37.50%	42.51%	48.78%
Information Management Processes and Procedures	58	62.07%	45795	49.29%	*91	43.15%	48.48%	52.86%	59.57%
Internal and External Networks	62	61.29%	29426	42.43%	*95	34.09%	40.00%	47.37%	54.32%
Simulation Analysis	61	57.38%	31517	43.50%	*90	36.17%	42.22%	47.73%	54.52%
Software and Hardware	68	67.65%	33291	50.51%	*94	43.18%	48.98%	54.35%	62.00%
Telecommunications	72	62.50%	30576	44.39%	*96	37.02%	42.93%	48.90%	54.80%
Summary	560	58.93%	301025	45.58%	96	40.00%	44.40%	49.00%	53.67%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam Information Management Systems Result



Sample Size: 115

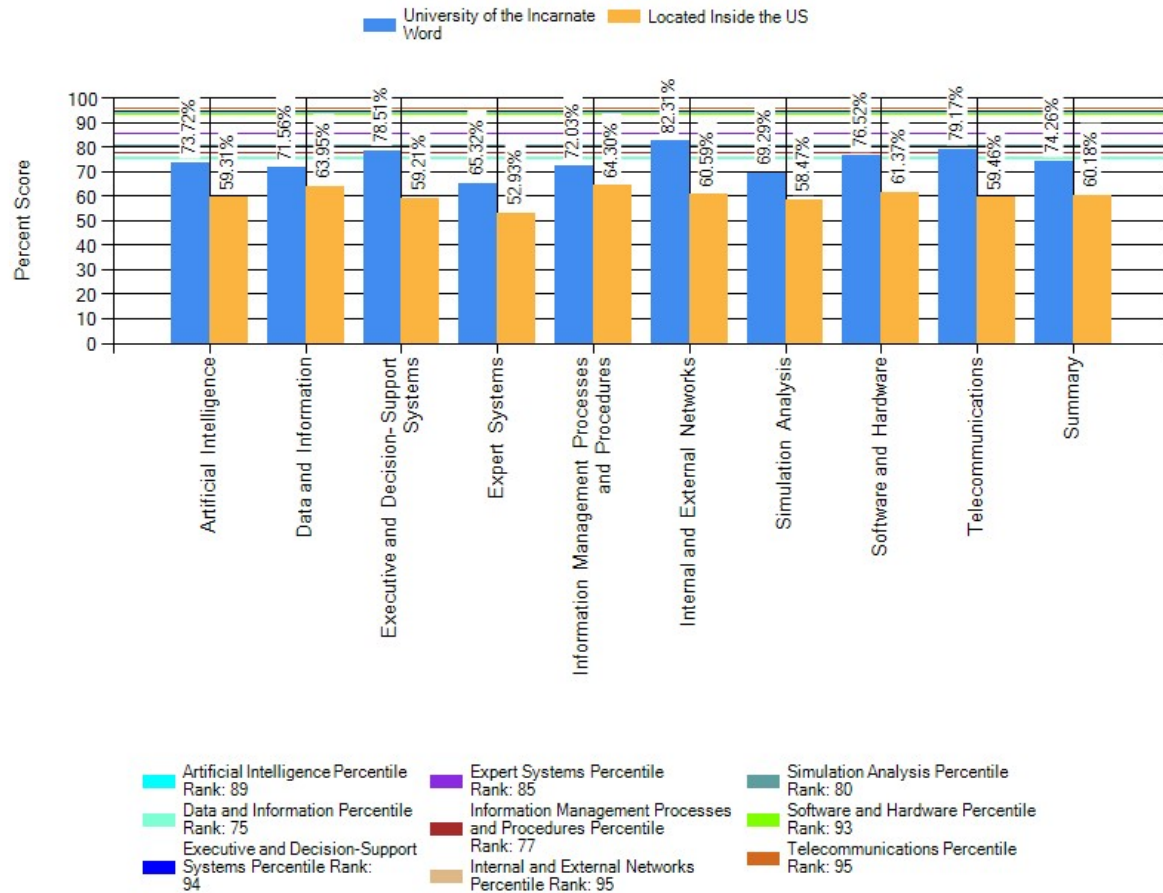
Mean Completion Time for this Topic (mins): Outbound = 9.08

Mean Score: 74.26%, Max Score: 100.00%, Min Score: 20.00%

Standard Deviation: 20.78

* Results are sorted by number of minutes taken to complete the topic.

Information Management Systems Subject Score Comparison *Outbound Exam*



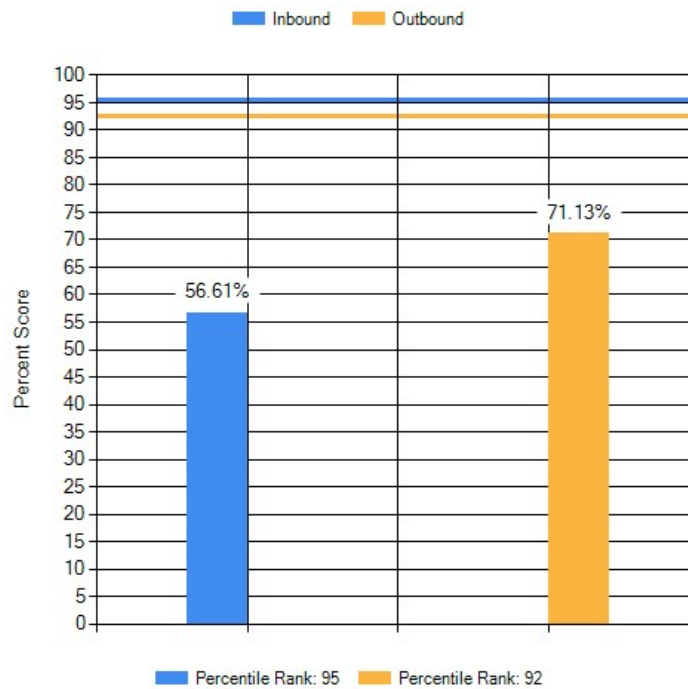
Frequency of Questions Offered on *Outbound Exams*

Information Management Systems	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Artificial Intelligence	156	73.72%	107734	59.31%	*89	51.16%	58.00%	63.94%	71.43%
Data and Information	109	71.56%	102672	63.95%	*75	56.89%	62.79%	68.30%	75.00%
Executive and Decision-Support Systems	121	78.51%	120150	59.21%	*94	51.06%	58.14%	64.00%	71.72%
Expert Systems	124	65.32%	96791	52.93%	*85	44.74%	51.06%	57.78%	65.22%
Information Management Processes and Procedures	118	72.03%	137815	64.30%	*77	58.00%	63.46%	68.25%	74.60%
Internal and External Networks	130	82.31%	99769	60.59%	*95	51.92%	59.63%	66.67%	74.47%
Simulation Analysis	140	69.29%	105169	58.47%	*80	50.00%	56.60%	63.04%	71.70%
Software and Hardware	132	76.52%	107881	61.37%	*93	54.35%	60.00%	65.31%	72.09%
Telecommunications	120	79.17%	102210	59.46%	*95	51.22%	58.54%	64.44%	72.09%
Summary	1150	74.26%	980191	60.18%	92	53.67%	59.00%	64.00%	70.24%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Legal Environment of Business Score Comparison



25.65% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

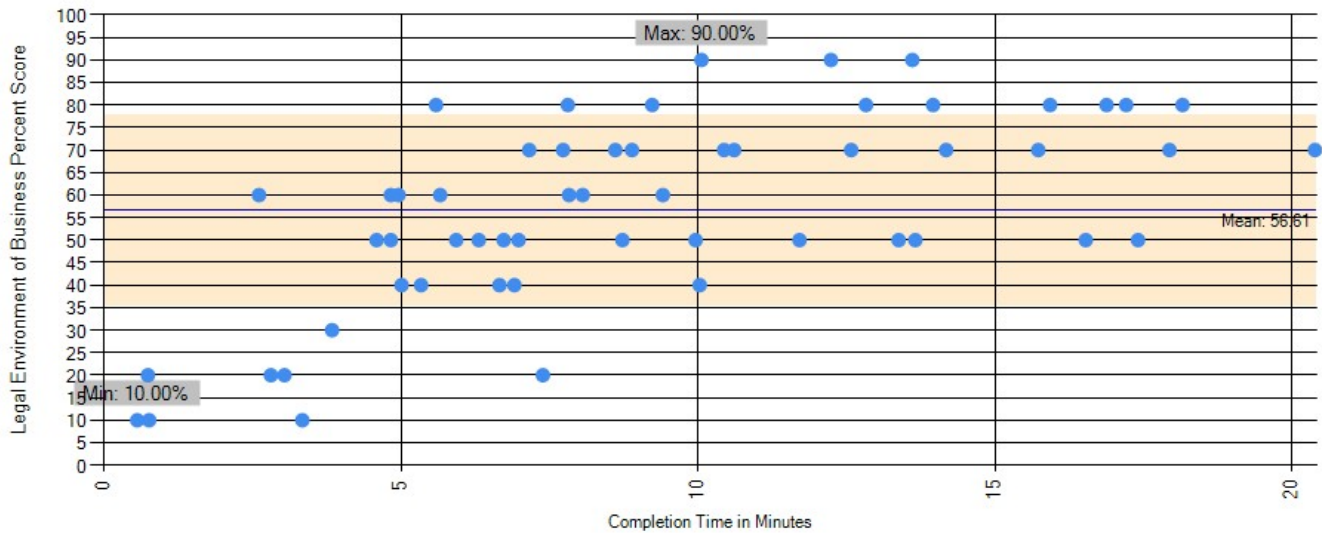
Mean Completion Time (mins): Inbound = 9.2, Outbound = 10.9

Legal Environment of Business Assessment Summary

Assessment Summary Statistics

Legal Environment of Business	Inbound	Outbound
Sample Size	56	115
Mean Score	56.61%	71.13%
Standard Deviation	21.26	16.48
Min Score	10%	20%
Max Score	90%	100%
Median Score	60%	70%
Mode	50%	80%

Inbound Exam Legal Environment of Business Result



Sample Size: 56

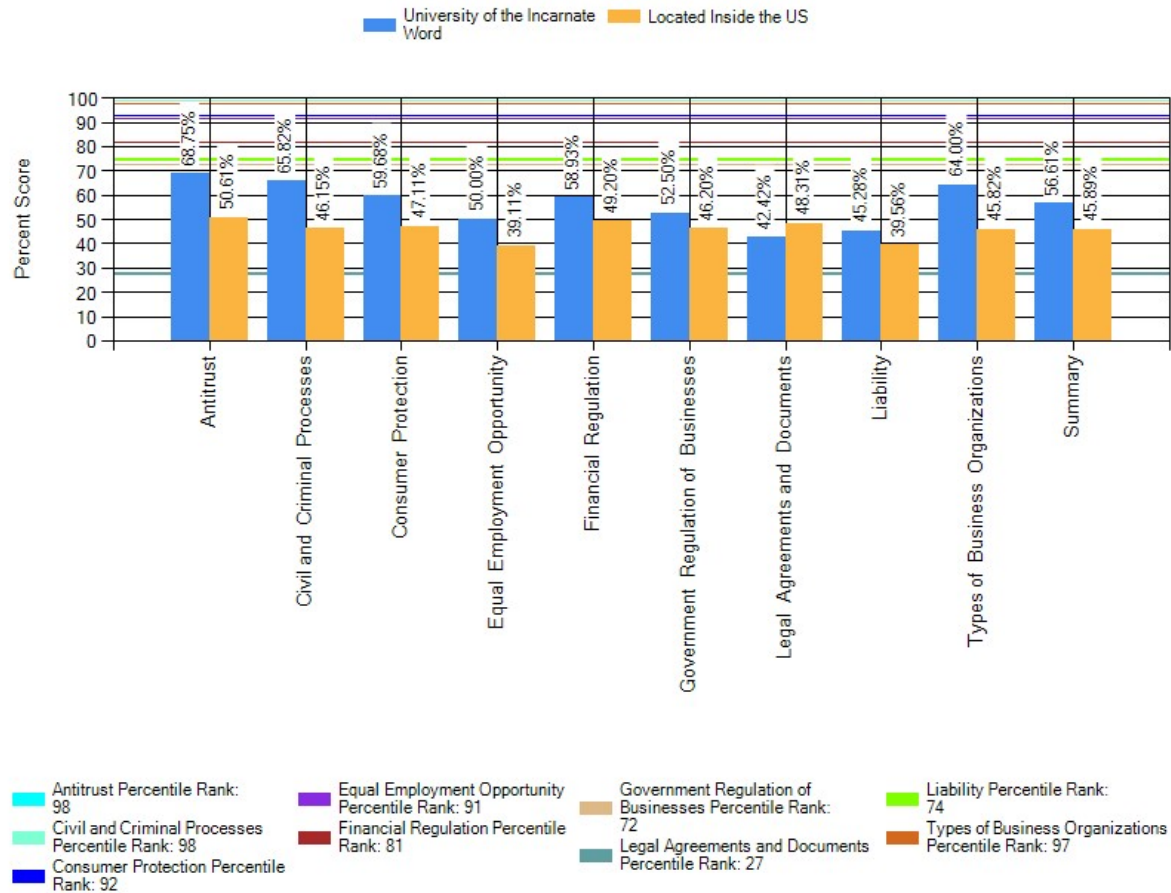
Mean Completion Time for this Topic (mins): Inbound = 9.17

Mean Score: 56.61%, Max Score: 90.00%, Min Score: 10.00%

Standard Deviation: 21.26

* Results are sorted by number of minutes taken to complete the topic.

Legal Environment of Business Subject Score Comparison *Inbound Exam*



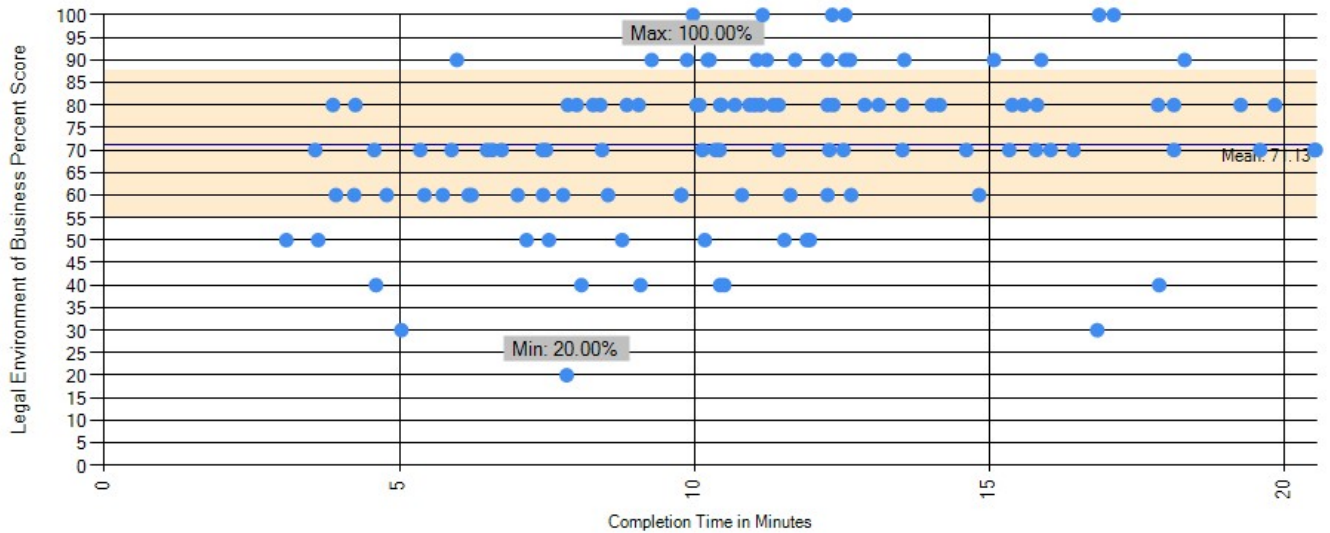
Frequency of Questions Offered on *Inbound Exams*

Legal Environment of Business	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Antitrust	64	68.75%	52491	50.61%	*98	44.68%	50.00%	54.55%	60.42%
Civil and Criminal Processes	79	65.82%	66674	46.15%	*98	39.66%	45.10%	50.00%	56.08%
Consumer Protection	62	59.68%	56588	47.11%	*92	40.82%	46.34%	51.06%	56.52%
Equal Employment Opportunity	50	50.00%	47591	39.11%	*91	33.33%	37.78%	42.59%	47.88%
Financial Regulation	56	58.93%	48396	49.20%	*81	42.14%	48.65%	54.05%	60.42%
Government Regulation of Businesses	80	52.50%	88808	46.20%	*72	39.87%	45.61%	50.78%	56.06%
Legal Agreements and Documents	66	42.42%	56663	48.31%	*27	41.67%	47.92%	52.63%	58.54%
Liability	53	45.28%	45981	39.56%	*74	33.33%	37.78%	42.59%	48.97%
Types of Business Organizations	50	64.00%	50809	45.82%	*97	39.22%	45.00%	50.00%	56.33%
Summary	560	56.61%	514001	45.89%	95	41.20%	46.12%	49.54%	52.87%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam Legal Environment of Business Result



Sample Size: 115

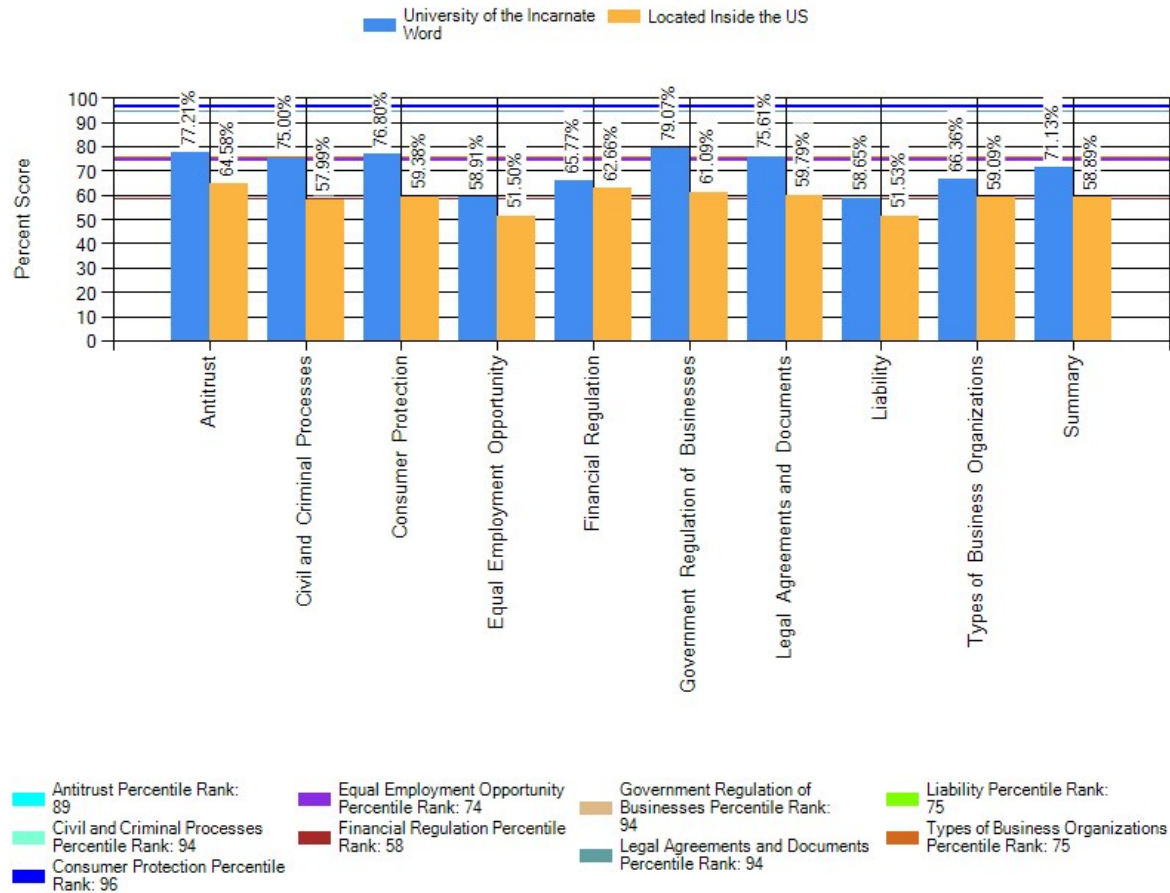
Mean Completion Time for this Topic (mins): Outbound = 10.92

Mean Score: 71.13%, Max Score: 100.00%, Min Score: 20.00%

Standard Deviation: 16.48

* Results are sorted by number of minutes taken to complete the topic.

Legal Environment of Business Subject Score Comparison *Outbound Exam*



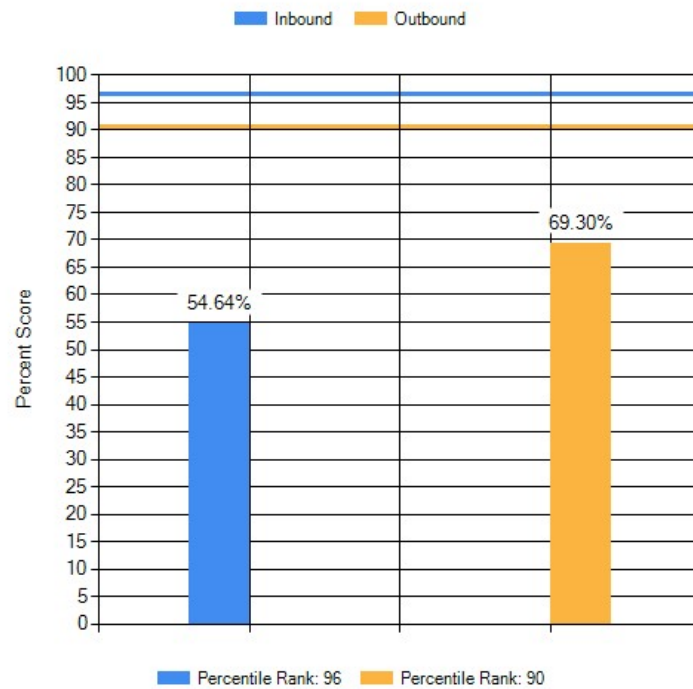
Frequency of Questions Offered on *Outbound Exams*

Legal Environment of Business	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Antitrust	136	77.21%	108225	64.58%	*89	58.00%	63.64%	68.75%	75.00%
Civil and Criminal Processes	140	75.00%	138372	57.99%	*94	50.96%	56.52%	62.50%	69.09%
Consumer Protection	125	76.80%	117563	59.38%	*96	52.27%	58.14%	63.64%	70.21%
Equal Employment Opportunity	129	58.91%	99582	51.50%	*74	43.90%	50.00%	55.56%	63.16%
Financial Regulation	111	65.77%	99663	62.66%	*58	55.10%	61.39%	67.39%	75.00%
Government Regulation of Businesses	172	79.07%	183985	61.09%	*94	53.33%	59.68%	66.05%	73.21%
Legal Agreements and Documents	123	75.61%	118236	59.79%	*94	53.66%	59.09%	63.83%	69.57%
Liability	104	58.65%	95710	51.53%	*75	43.75%	50.00%	55.00%	63.41%
Types of Business Organizations	110	66.36%	106181	59.09%	*75	52.38%	57.78%	63.41%	69.23%
Summary	1150	71.13%	1067517	58.89%	92	52.74%	57.72%	62.33%	68.00%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Management Score Comparison



26.83% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

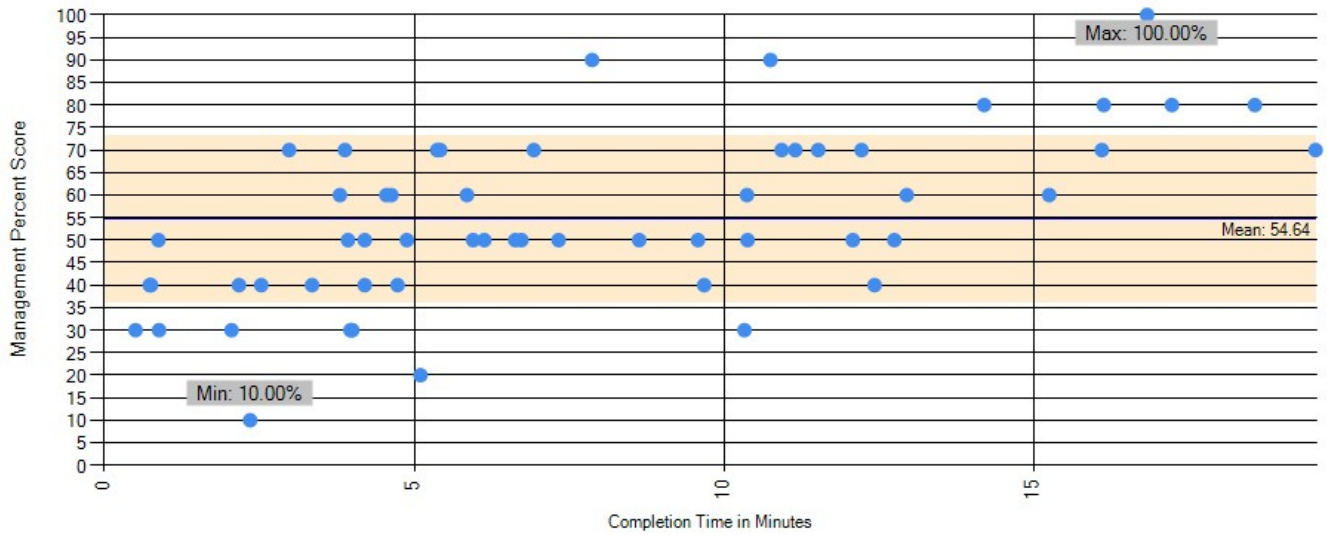
Mean Completion Time (mins): Inbound = 7.8, Outbound = 10.2

Management Assessment Summary

Assessment Summary Statistics

Management	Inbound	Outbound
Sample Size	56	115
Mean Score	54.64%	69.30%
Standard Deviation	18.58	19.81
Min Score	10%	20%
Max Score	100%	100%
Median Score	50%	70%
Mode	50%	80%

Inbound Exam Management Result



Sample Size: 56

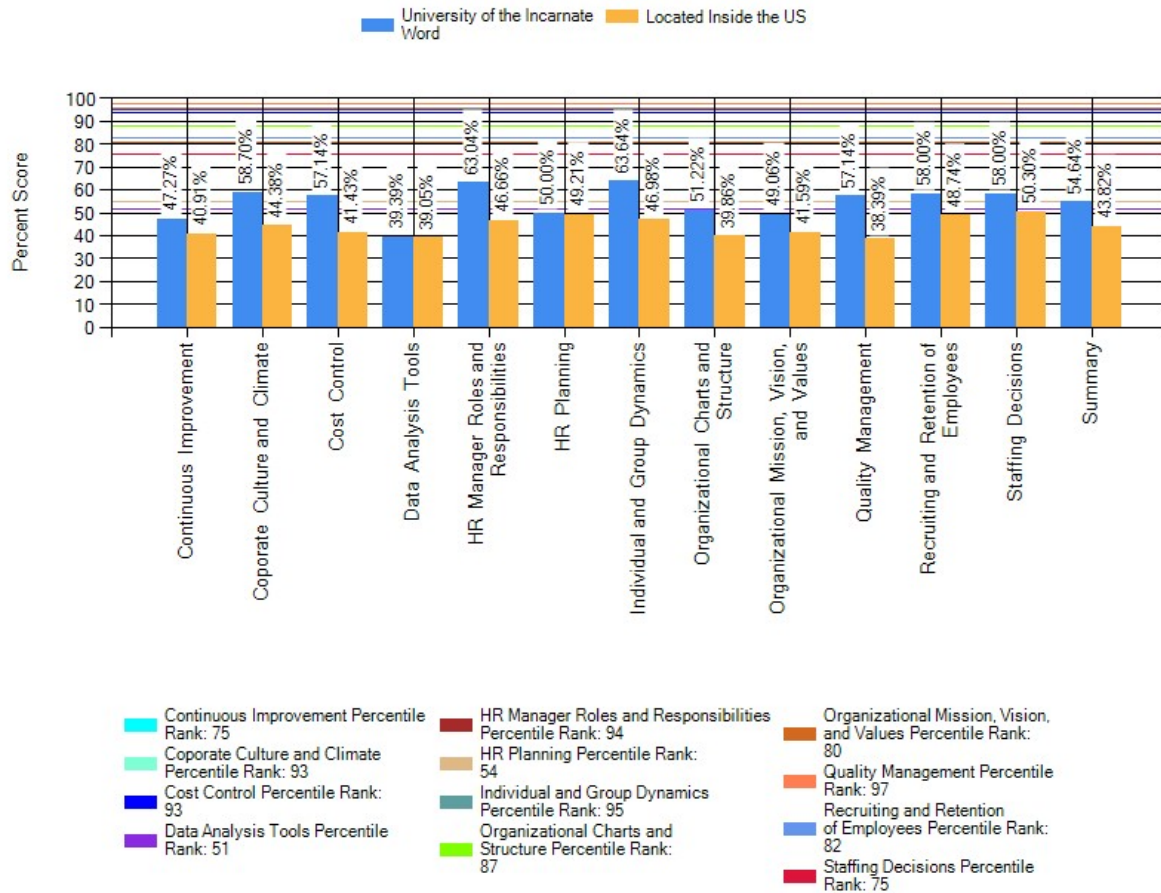
Mean Completion Time for this Topic (mins): Inbound = 7.77

Mean Score: 54.64%, Max Score: 100.00%, Min Score: 10.00%

Standard Deviation: 18.58

* Results are sorted by number of minutes taken to complete the topic.

Management Subject Score Comparison *Inbound Exam*



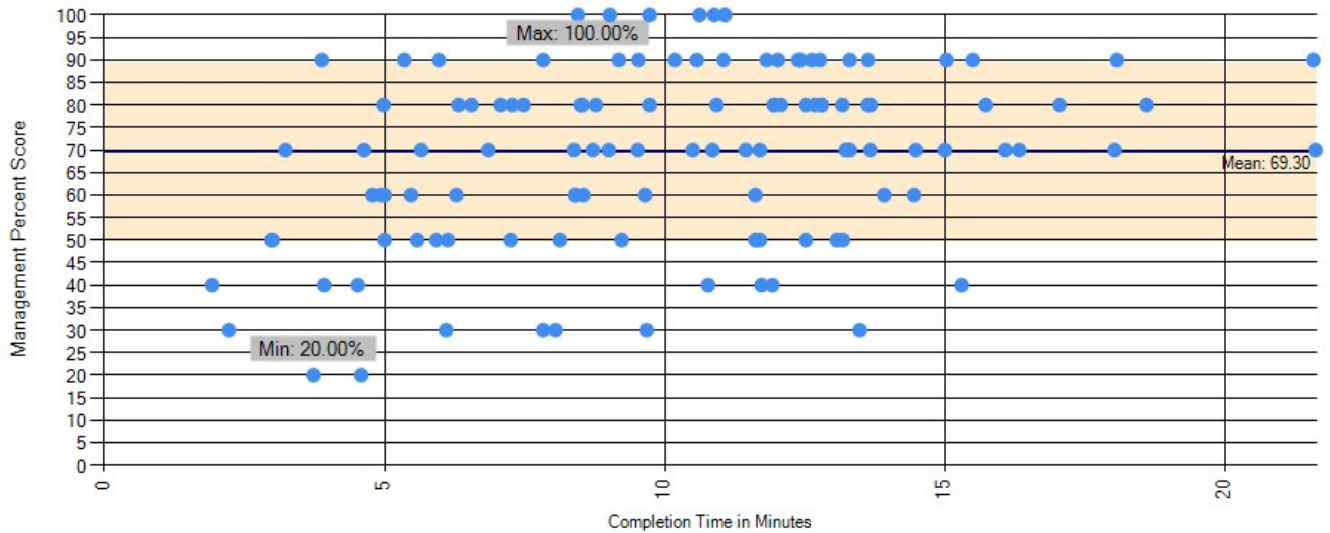
Frequency of Questions Offered on *Inbound Exams*

Management	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Continuous Improvement	55	47.27%	31437	40.91%	*75	34.29%	39.02%	44.39%	51.12%
Coporate Culture and Climate	46	58.70%	32414	44.38%	*93	37.91%	42.86%	47.40%	54.06%
Cost Control	56	57.14%	29672	41.43%	*93	34.23%	40.00%	45.46%	51.43%
Data Analysis Tools	33	39.39%	30379	39.05%	*51	32.50%	37.84%	42.43%	48.57%
HR Manager Roles and Responsibilities	46	63.04%	26599	46.66%	*94	40.00%	45.45%	51.18%	57.58%
HR Planning	44	50.00%	35366	49.21%	*54	42.50%	47.92%	53.49%	59.52%
Individual and Group Dynamics	44	63.64%	35325	46.98%	*95	41.03%	45.95%	50.35%	57.14%
Organizational Charts and Structure	41	51.22%	30433	39.86%	*87	33.33%	38.26%	42.86%	50.00%
Organizational Mission, Vision, and Values	53	49.06%	27941	41.59%	*80	35.48%	40.00%	44.94%	51.09%
Quality Management	42	57.14%	30283	38.39%	*97	31.71%	36.84%	42.11%	48.65%
Recruiting and Retention of Employees	50	58.00%	24520	48.74%	*82	41.94%	47.50%	52.65%	59.35%
Staffing Decisions	50	58.00%	26357	50.30%	*75	43.42%	48.86%	54.76%	61.46%
Summary	560	54.64%	360726	43.82%	96	39.67%	43.29%	46.67%	50.33%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam Management Result



Sample Size: 115

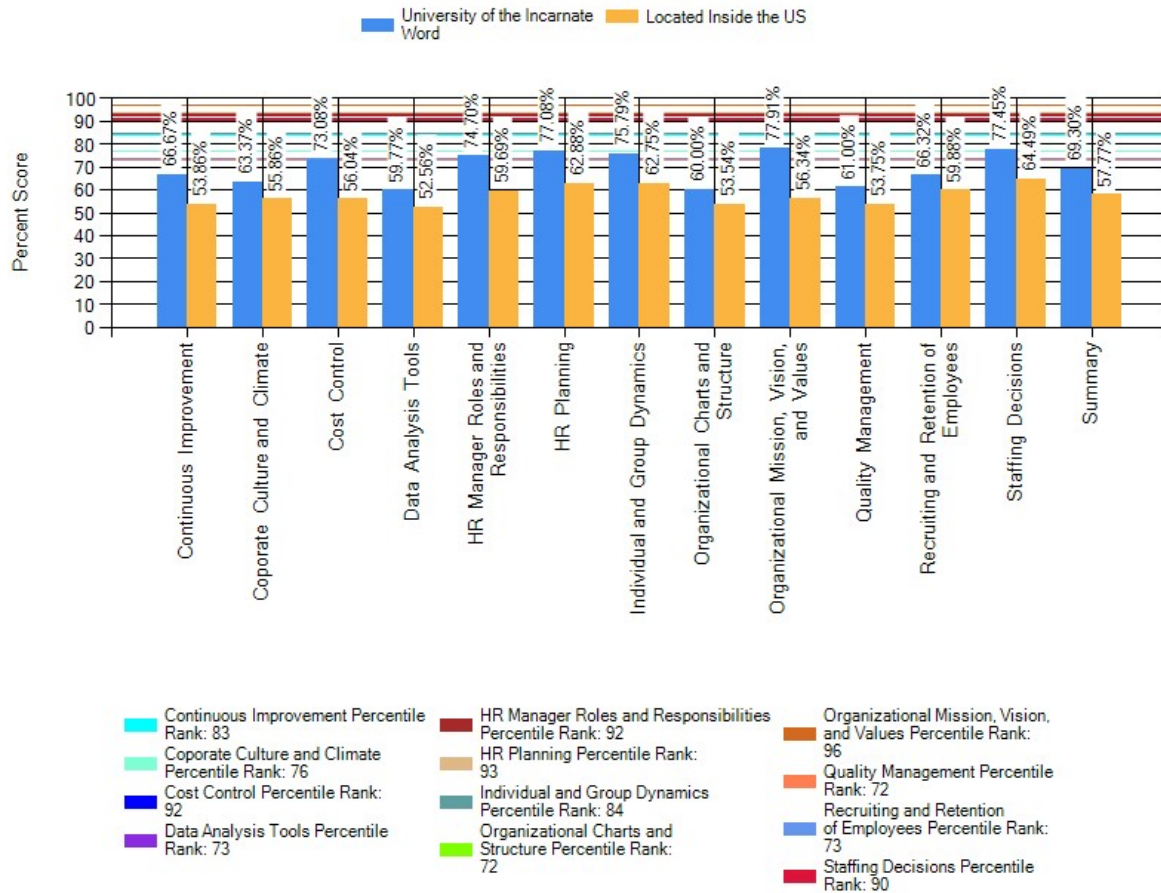
Mean Completion Time for this Topic (mins): Outbound = 10.17

Mean Score: 69.30%, Max Score: 100.00%, Min Score: 20.00%

Standard Deviation: 19.81

* Results are sorted by number of minutes taken to complete the topic.

Management Subject Score Comparison *Outbound Exam*



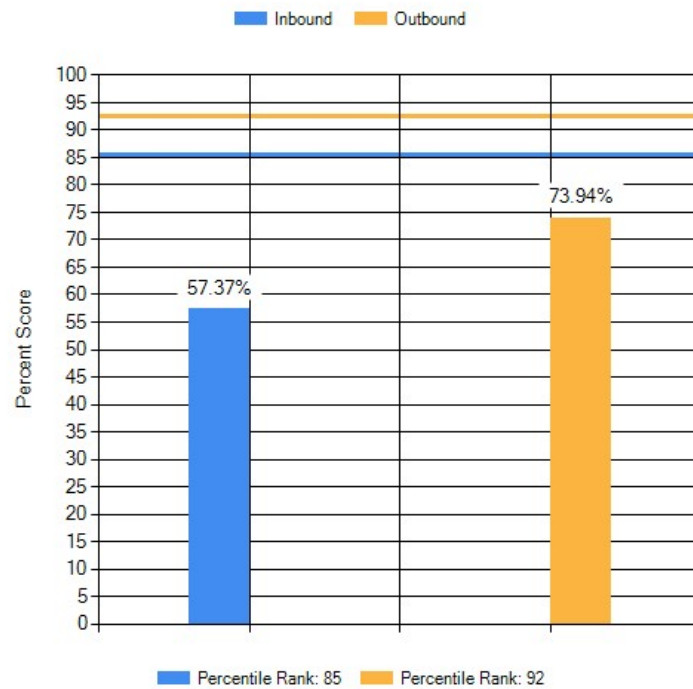
Frequency of Questions Offered on *Outbound Exams*

Management	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Continuous Improvement	96	66.67%	92139	53.86%	*83	46.15%	52.38%	58.13%	66.67%
Coporate Culture and Climate	101	63.37%	93776	55.86%	*76	48.78%	54.34%	59.46%	66.67%
Cost Control	104	73.08%	89166	56.04%	*92	47.62%	54.29%	60.87%	68.42%
Data Analysis Tools	87	59.77%	88536	52.56%	*73	44.44%	50.00%	56.76%	65.10%
HR Manager Roles and Responsibilities	83	74.70%	80339	59.69%	*92	52.63%	58.54%	64.29%	70.59%
HR Planning	96	77.08%	101557	62.88%	*93	56.58%	61.90%	66.67%	72.97%
Individual and Group Dynamics	95	75.79%	100460	62.75%	*84	54.76%	61.76%	67.54%	76.19%
Organizational Charts and Structure	105	60.00%	88496	53.54%	*72	45.24%	51.35%	57.52%	66.67%
Organizational Mission, Vision, and Values	86	77.91%	83286	56.34%	*96	48.53%	54.55%	60.98%	69.05%
Quality Management	100	61.00%	89613	53.75%	*72	45.24%	51.35%	57.99%	66.67%
Recruiting and Retention of Employees	95	66.32%	76064	59.88%	*73	52.94%	58.54%	63.89%	70.97%
Staffing Decisions	102	77.45%	80081	64.49%	*90	57.89%	63.64%	68.89%	75.00%
Summary	1150	69.3%	1063513	57.77%	90	51.57%	56.25%	61.00%	67.33%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Management: Human Resource Management Score Comparison



28.88% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

Mean Completion Time (mins): Inbound = 2.7, Outbound = 3.1

Management: Human Resource Management Assessment Summary

Assessment Summary Statistics

<u>Management: Human Resource Management</u>	<u>Inbound</u>	<u>Outbound</u>
Sample Size	56	115
Mean Score	57.37%	73.94%
Standard Deviation	27.48	23.70
Min Score	0%	0%
Max Score	100%	100%
Median Score	67%	75%
Mode	67%	100%

Inbound Exam Management: Human Resource Management Result



Sample Size: 56

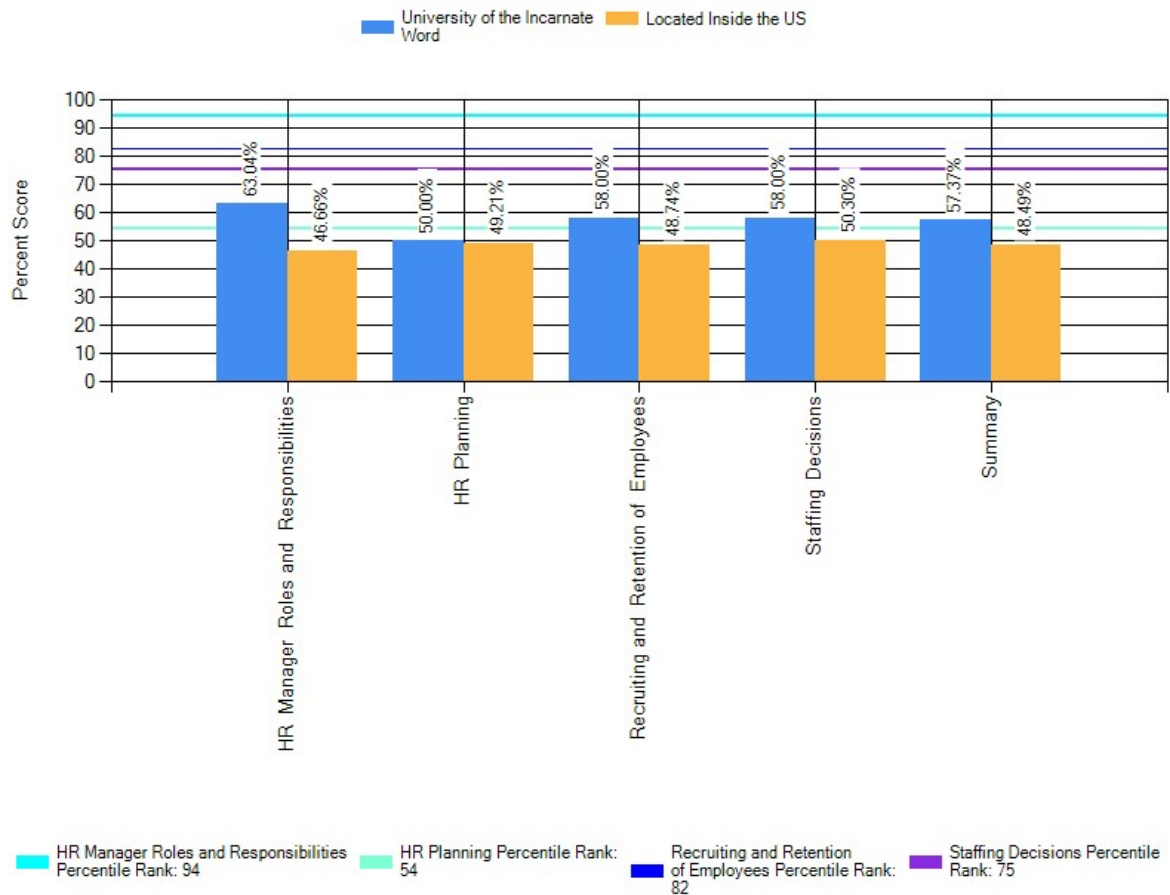
Mean Completion Time for this Topic (mins): Inbound = 2.67

Mean Score: 57.37%, Max Score: 100.00%, Min Score: 0.00%

Standard Deviation: 27.48

* Results are sorted by number of minutes taken to complete the topic.

Management: Human Resource Management Subject Score Comparison *Inbound Exam*

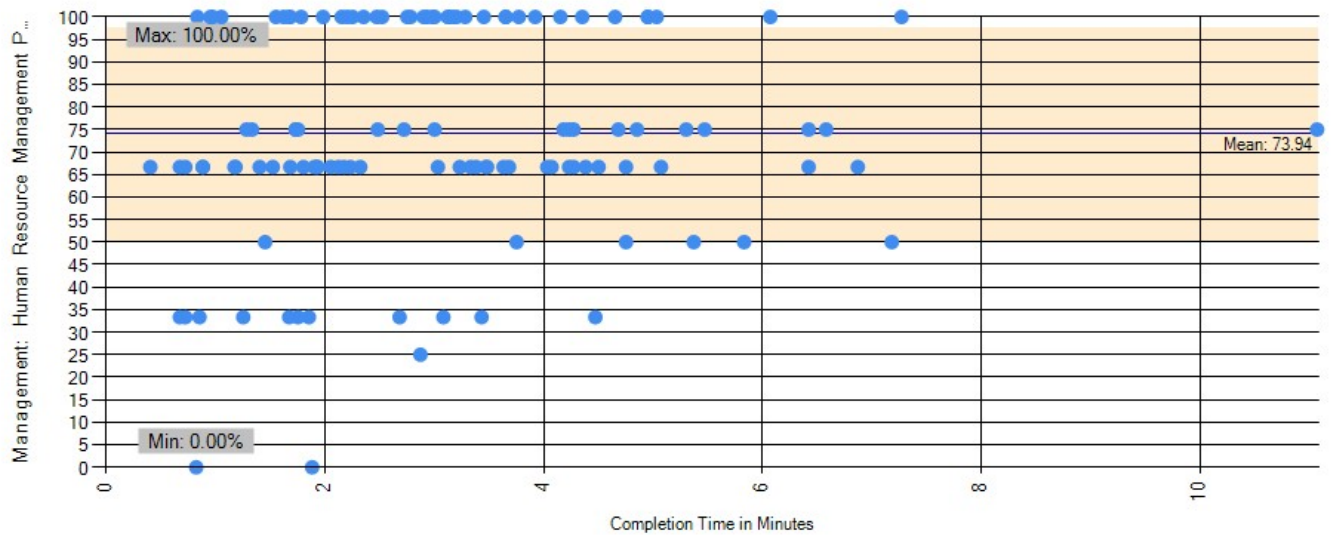


Frequency of Questions Offered on *Inbound Exams*

Management: Human Resource Management	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
HR Manager Roles and Responsibilities	46	63.04%	26599	46.66%	*94	40.00%	45.45%	51.18%	57.58%
HR Planning	44	50.00%	35366	49.21%	*54	42.50%	47.92%	53.49%	59.52%
Recruiting and Retention of Employees	50	58.00%	24520	48.74%	*82	41.94%	47.50%	52.65%	59.35%
Staffing Decisions	50	58.00%	26357	50.30%	*75	43.42%	48.86%	54.76%	61.46%
Summary	190	57.37%	112842	48.49%	85	42.71%	47.62%	52.14%	57.14%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.
 * Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam Management: Human Resource Management Result



Sample Size: 115

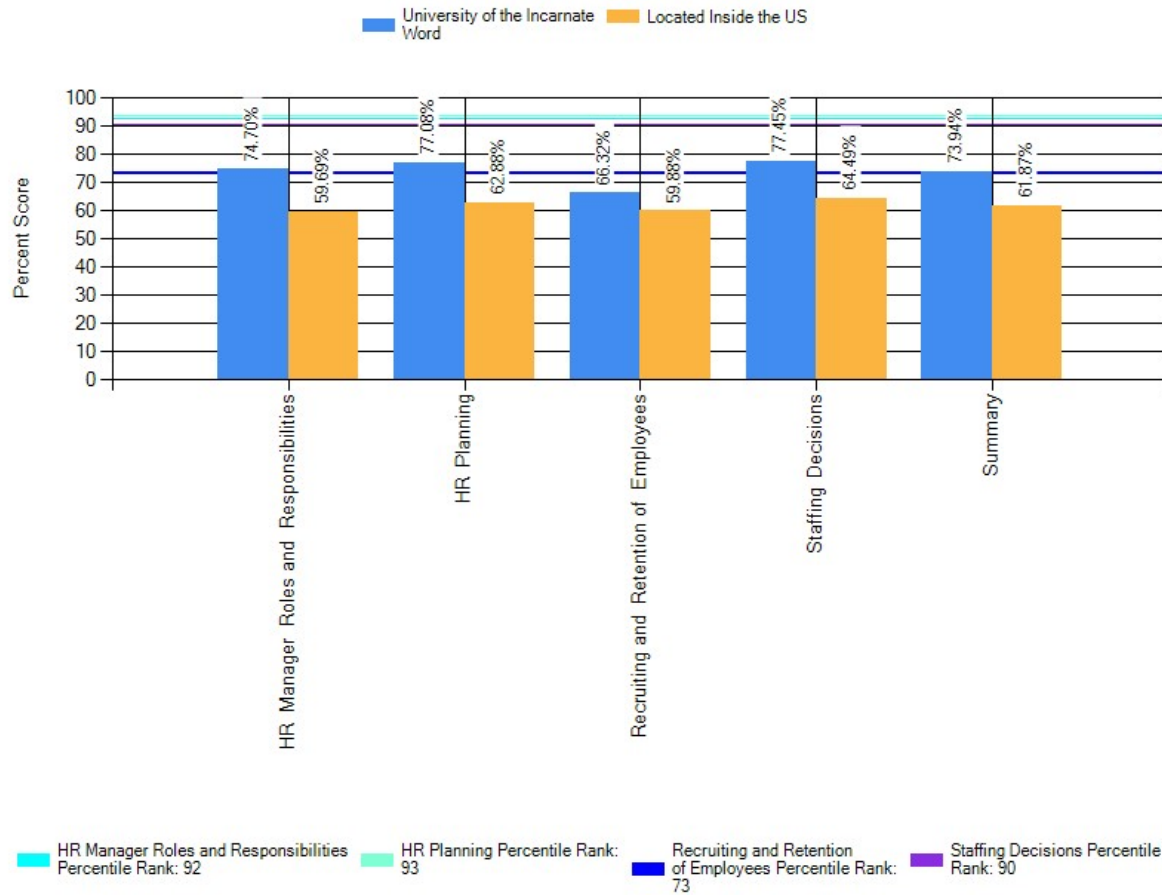
Mean Completion Time for this Topic (mins): Outbound = 3.08

Mean Score: 73.94%, Max Score: 100.00%, Min Score: 0.00%

Standard Deviation: 23.70

* Results are sorted by number of minutes taken to complete the topic.

Management: Human Resource Management Subject Score Comparison *Outbound Exam*

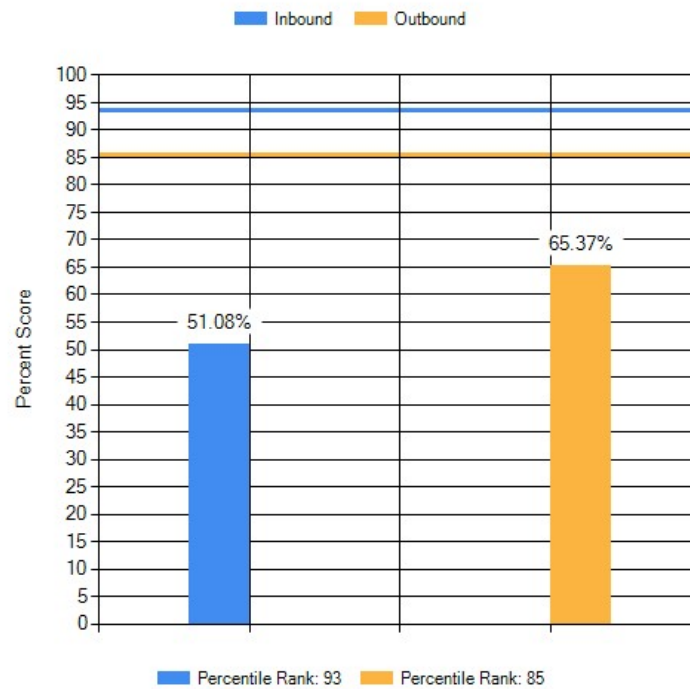


Frequency of Questions Offered on *Outbound Exams*

Management: Human Resource Management	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
HR Manager Roles and Responsibilities	83	74.70%	80339	59.69%	*92	52.63%	58.54%	64.29%	70.59%
HR Planning	96	77.08%	101557	62.88%	*93	56.58%	61.90%	66.67%	72.97%
Recruiting and Retention of Employees	95	66.32%	76064	59.88%	*73	52.94%	58.54%	63.89%	70.97%
Staffing Decisions	102	77.45%	80081	64.49%	*90	57.89%	63.64%	68.89%	75.00%
Summary	376	73.94%	338041	61.87%	92	56.19%	61.00%	65.38%	70.71%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.
 * Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Management: Operations/Production Management Score Comparison



27.98% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

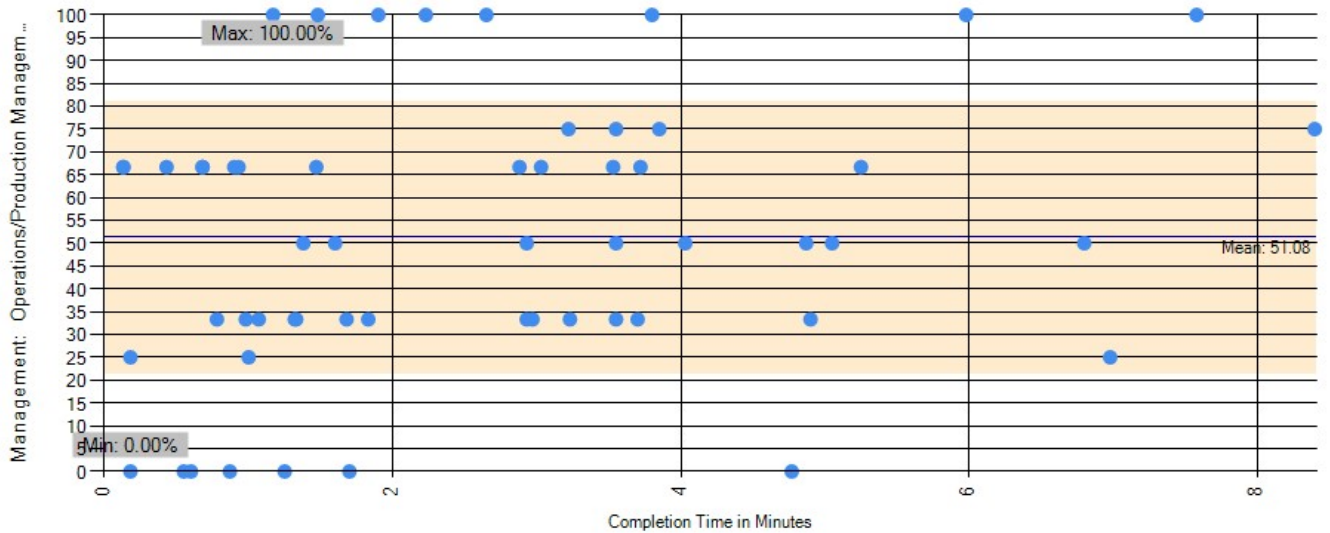
Mean Completion Time (mins): Inbound = 2.6, Outbound = 3.5

Management: Operations/Production Management Assessment Summary

Assessment Summary Statistics

Management: Operations/Production Management	Inbound	Outbound
Sample Size	56	115
Mean Score	51.08%	65.37%
Standard Deviation	29.85	29.65
Min Score	0%	0%
Max Score	100%	100%
Median Score	50%	67%
Mode	67%	100%

Inbound Exam Management: Operations/Production Management Result



Sample Size: 56

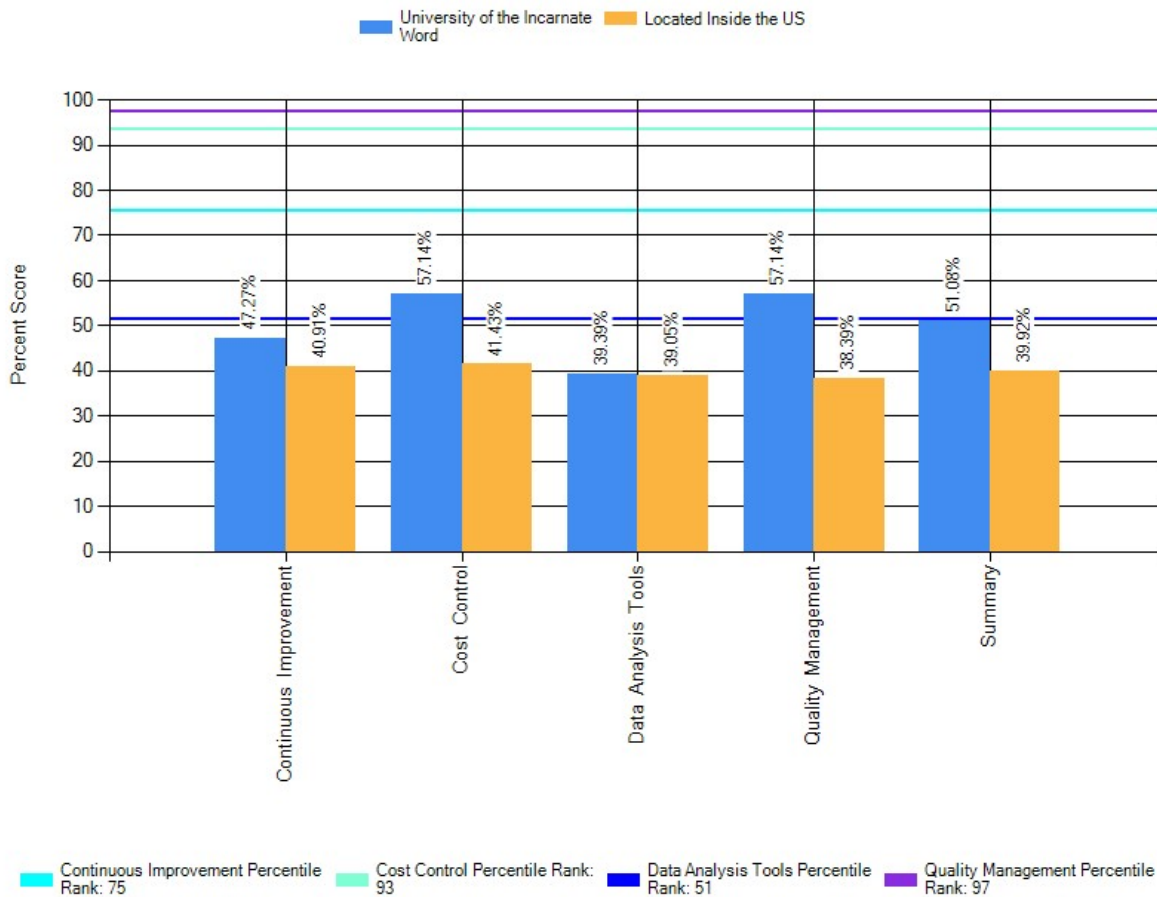
Mean Completion Time for this Topic (mins): Inbound = 2.65

Mean Score: 51.08%, Max Score: 100.00%, Min Score: 0.00%

Standard Deviation: 29.85

* Results are sorted by number of minutes taken to complete the topic.

Management: Operations/Production Management Subject Score Comparison *Inbound Exam*



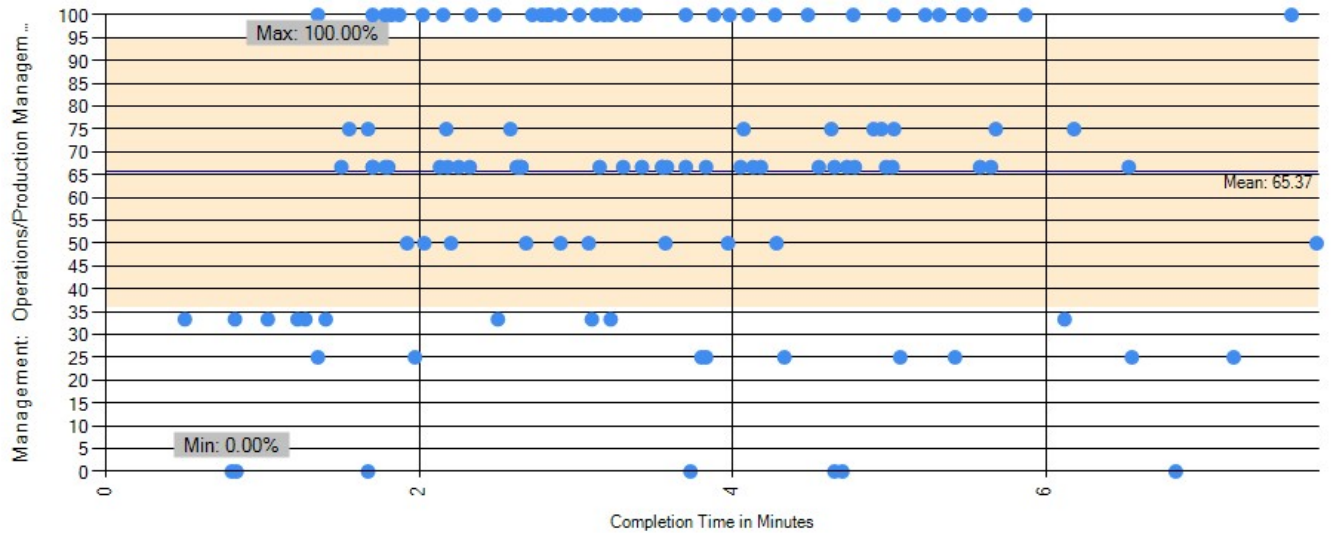
Frequency of Questions Offered on *Inbound Exams*

Management: Operations/Production Management	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Continuous Improvement	55	47.27%	31437	40.91%	*75	34.29%	39.02%	44.39%	51.12%
Cost Control	56	57.14%	29672	41.43%	*93	34.23%	40.00%	45.46%	51.43%
Data Analysis Tools	33	39.39%	30379	39.05%	*51	32.50%	37.84%	42.43%	48.57%
Quality Management	42	57.14%	30283	38.39%	*97	31.71%	36.84%	42.11%	48.65%
Summary	186	51.08%	121771	39.92%	93	34.86%	38.95%	42.72%	47.48%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam Management: Operations/Production Management Result



Sample Size: 115

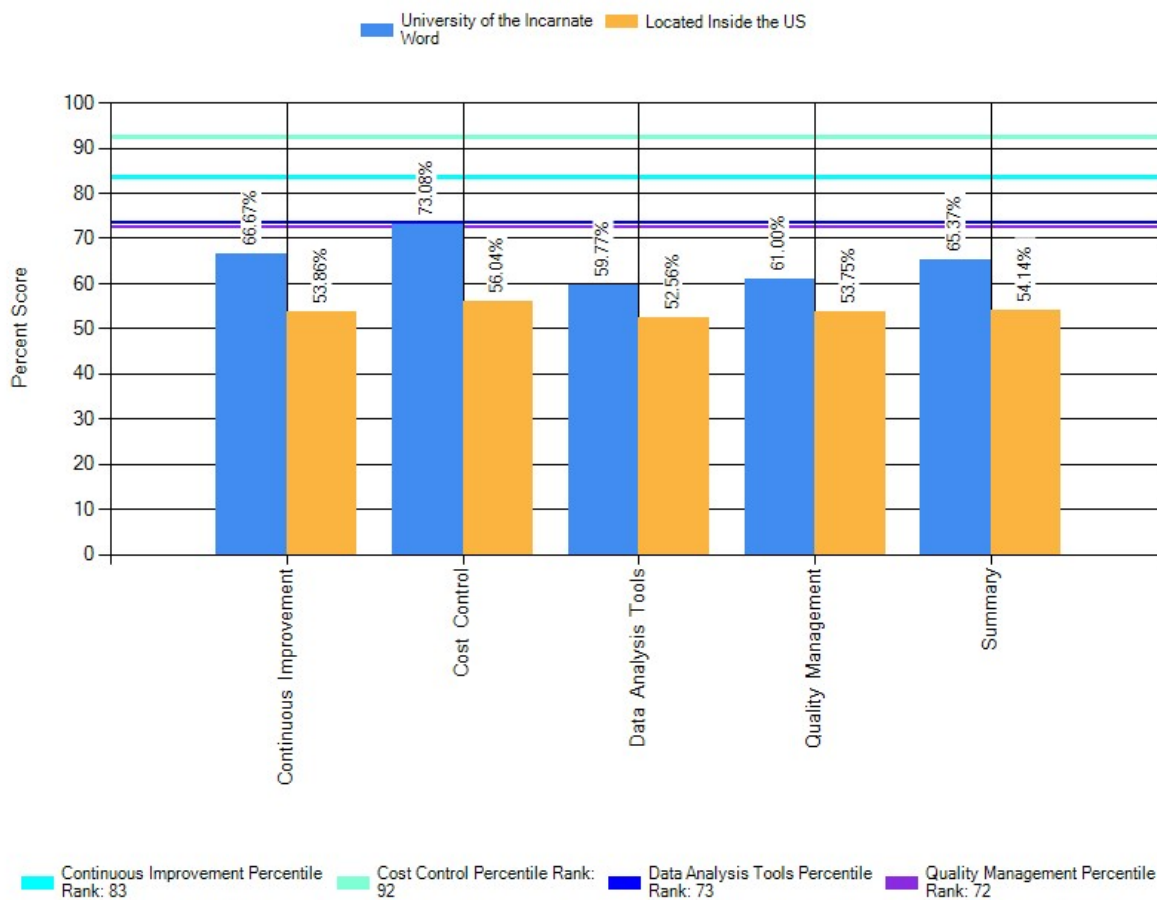
Mean Completion Time for this Topic (mins): Outbound = 3.50

Mean Score: 65.37%, Max Score: 100.00%, Min Score: 0.00%

Standard Deviation: 29.65

* Results are sorted by number of minutes taken to complete the topic.

Management: Operations/Production Management Subject Score Comparison *Outbound Exam*

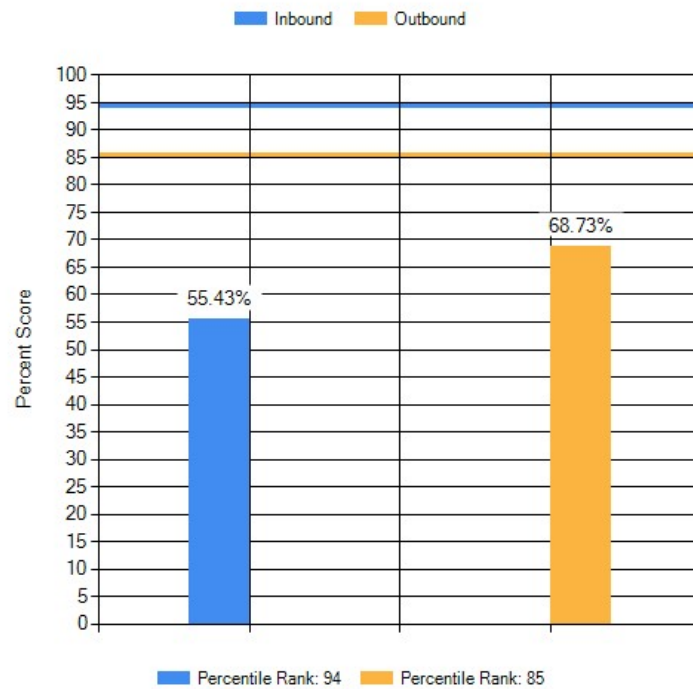


Frequency of Questions Offered on *Outbound Exams*

Management: Operations/Production Management	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Continuous Improvement	96	66.67%	92139	53.86%	*83	46.15%	52.38%	58.13%	66.67%
Cost Control	104	73.08%	89166	56.04%	*92	47.62%	54.29%	60.87%	68.42%
Data Analysis Tools	87	59.77%	88536	52.56%	*73	44.44%	50.00%	56.76%	65.10%
Quality Management	100	61.00%	89613	53.75%	*72	45.24%	51.35%	57.99%	66.67%
Summary	387	65.37%	359454	54.14%	85	46.88%	52.08%	58.00%	65.26%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.
 * Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Management: Organizational Behavior Score Comparison



23.99% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

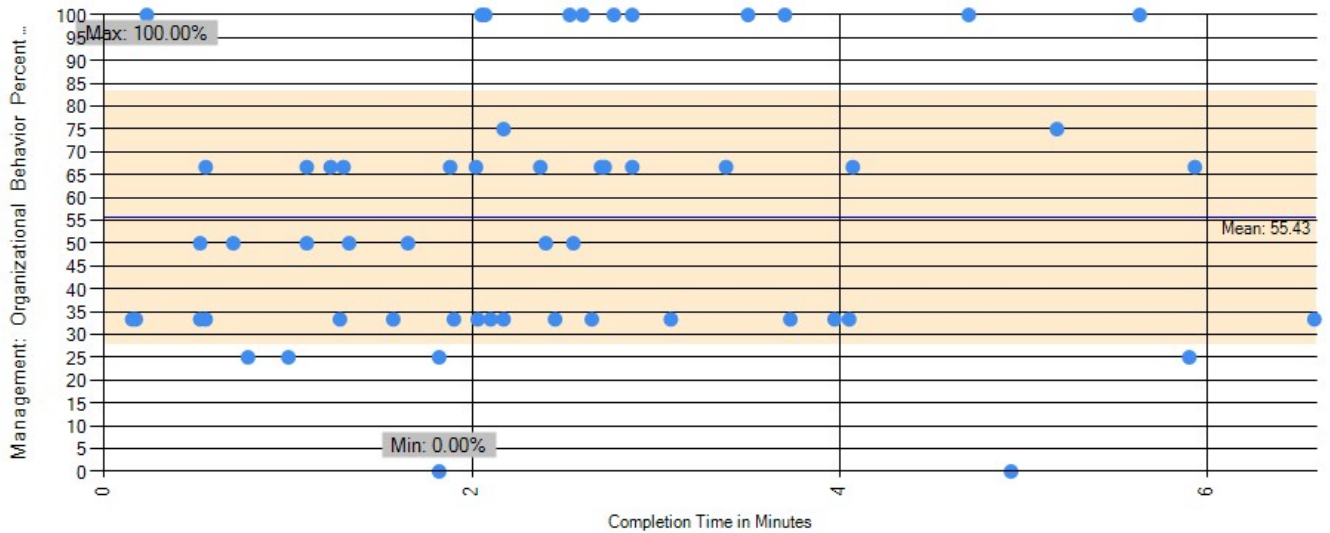
Mean Completion Time (mins): Inbound = 2.5, Outbound = 3.6

Management: Organizational Behavior Assessment Summary

Assessment Summary Statistics

<u>Management: Organizational Behavior</u>	<u>Inbound</u>	<u>Outbound</u>
Sample Size	56	115
Mean Score	55.43%	68.73%
Standard Deviation	27.83	29.32
Min Score	0%	0%
Max Score	100%	100%
Median Score	50%	67%
Mode	33%	100%

Inbound Exam Management: Organizational Behavior Result



Sample Size: 56

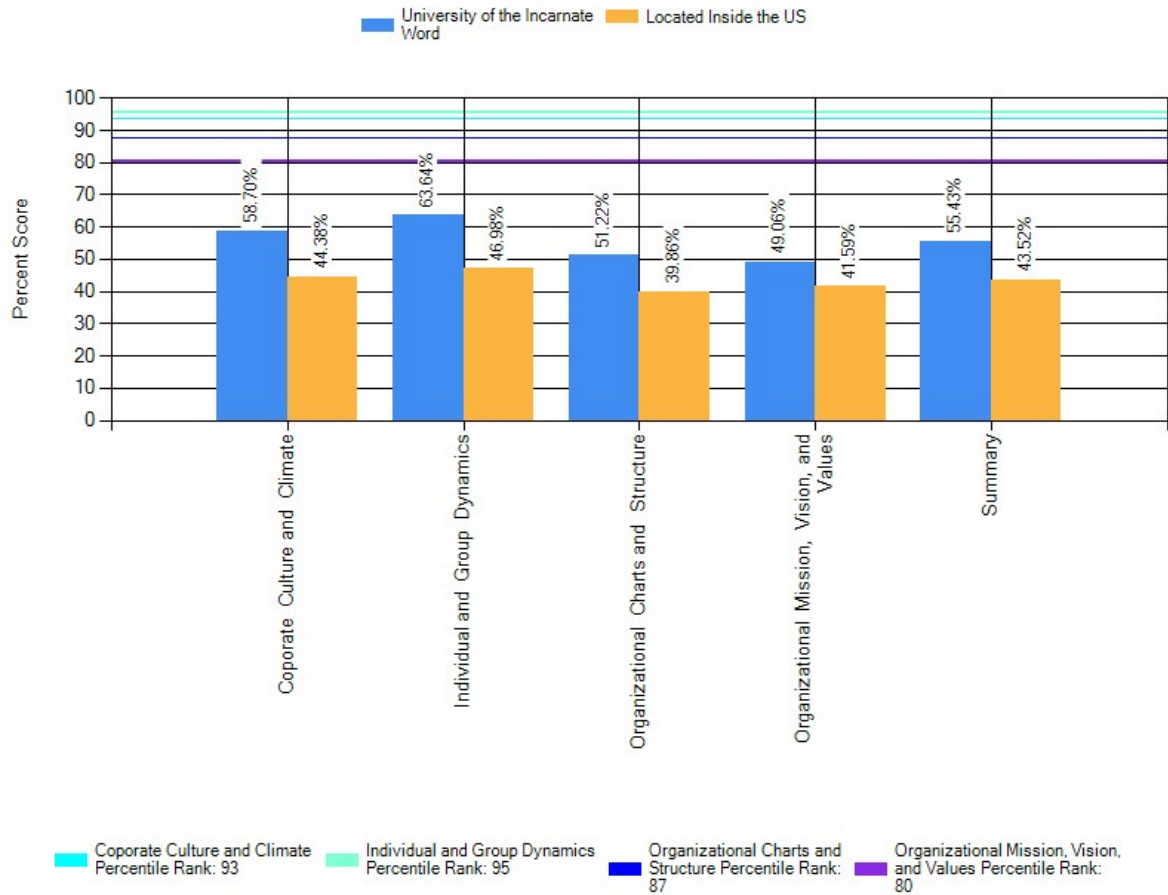
Mean Completion Time for this Topic (mins): Inbound = 2.45

Mean Score: 55.43%, Max Score: 100.00%, Min Score: 0.00%

Standard Deviation: 27.83

* Results are sorted by number of minutes taken to complete the topic.

Management: Organizational Behavior Subject Score Comparison *Inbound Exam*



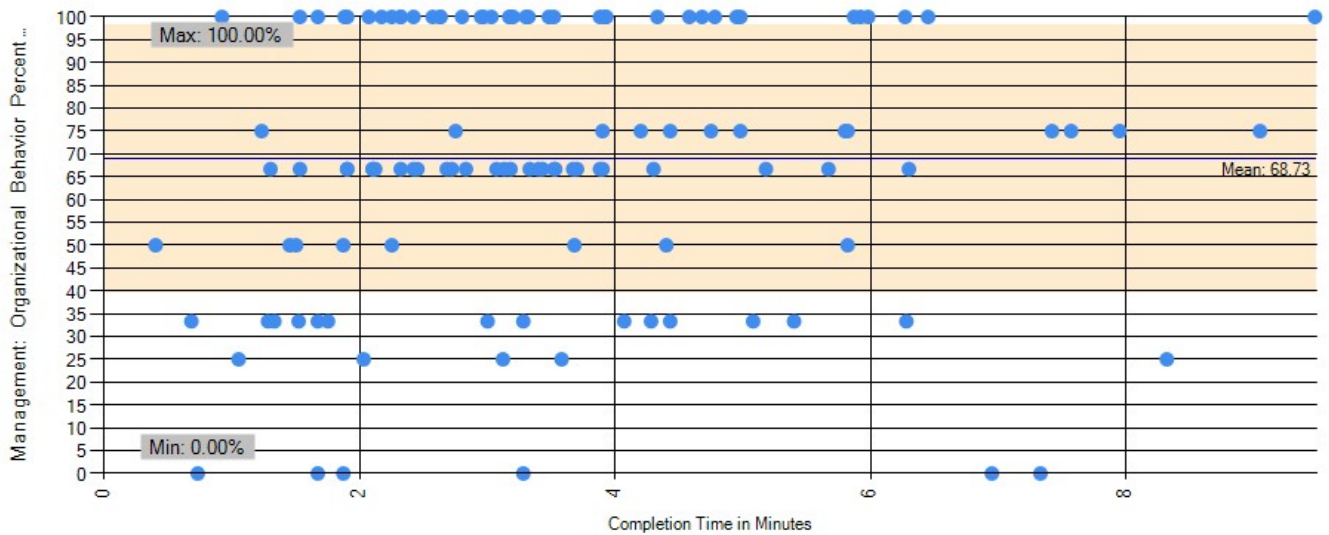
Frequency of Questions Offered on *Inbound Exams*

Management: Organizational Behavior	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Corporate Culture and Climate	46	58.70%	32414	44.38%	*93	37.91%	42.86%	47.40%	54.06%
Individual and Group Dynamics	44	63.64%	35325	46.98%	*95	41.03%	45.95%	50.35%	57.14%
Organizational Charts and Structure	41	51.22%	30433	39.86%	*87	33.33%	38.26%	42.86%	50.00%
Organizational Mission, Vision, and Values	53	49.06%	27941	41.59%	*80	35.48%	40.00%	44.94%	51.09%
Summary	184	55.43%	126113	43.52%	94	38.57%	42.42%	46.39%	51.04%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam Management: Organizational Behavior Result



Sample Size: 115

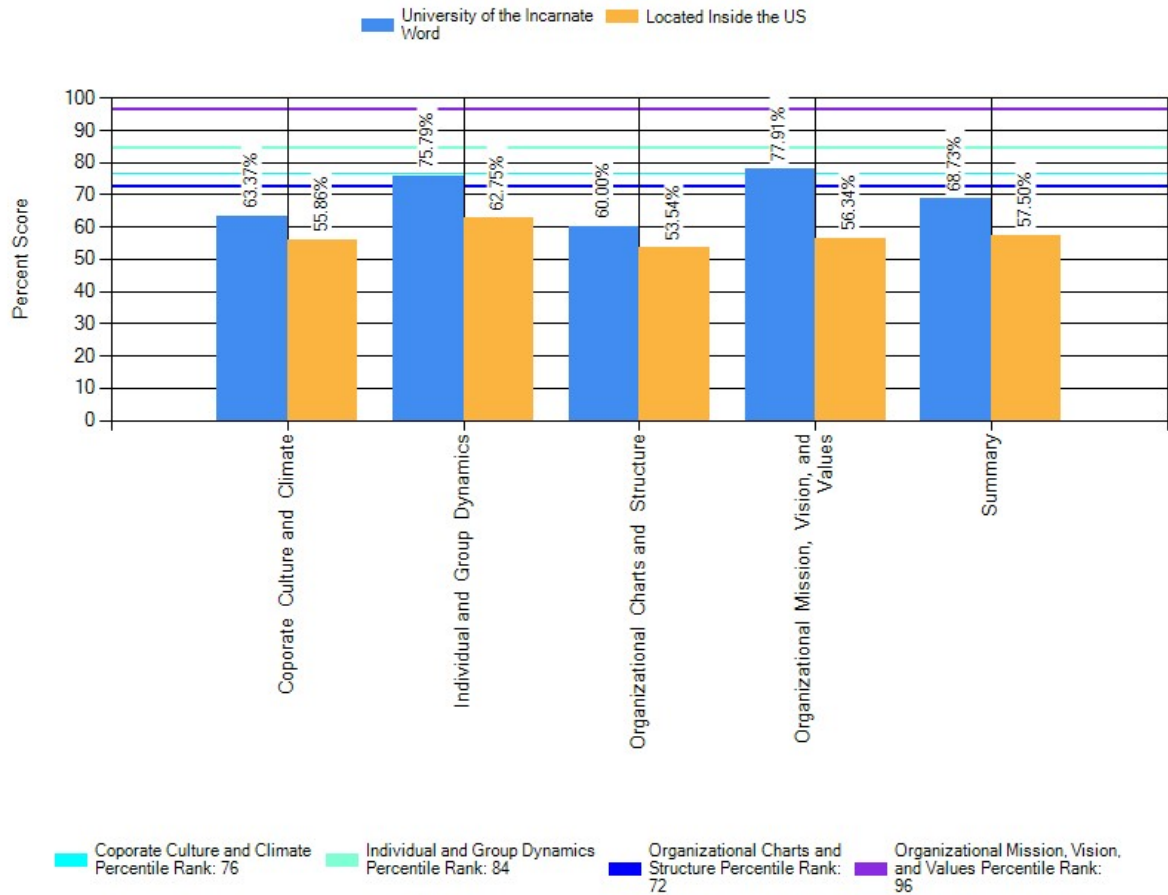
Mean Completion Time for this Topic (mins): Outbound = 3.57

Mean Score: 68.73%, Max Score: 100.00%, Min Score: 0.00%

Standard Deviation: 29.32

* Results are sorted by number of minutes taken to complete the topic.

Management: Organizational Behavior Subject Score Comparison *Outbound Exam*



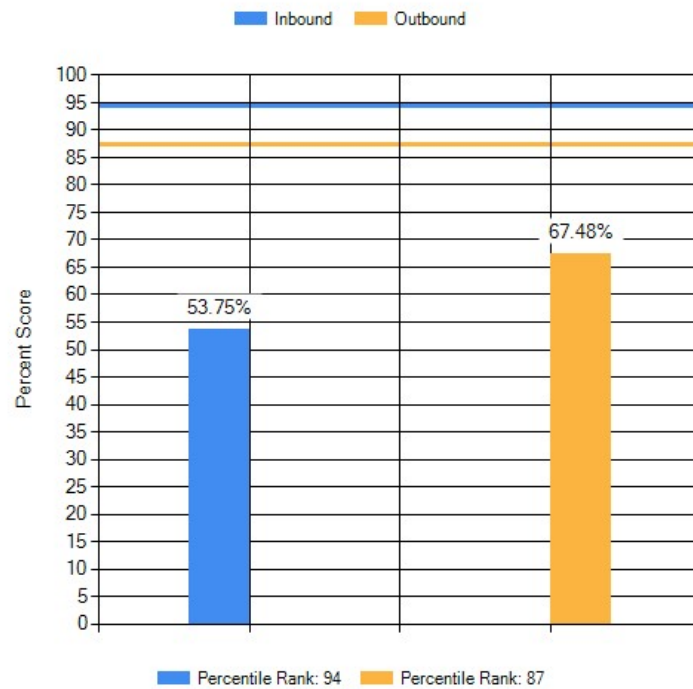
Frequency of Questions Offered on *Outbound Exams*

Management: Organizational Behavior	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Corporate Culture and Climate	101	63.37%	93776	55.86%	*76	48.78%	54.34%	59.46%	66.67%
Individual and Group Dynamics	95	75.79%	100460	62.75%	*84	54.76%	61.76%	67.54%	76.19%
Organizational Charts and Structure	105	60.00%	88496	53.54%	*72	45.24%	51.35%	57.52%	66.67%
Organizational Mission, Vision, and Values	86	77.91%	83286	56.34%	*96	48.53%	54.55%	60.98%	69.05%
Summary	387	68.73%	366018	57.50%	85	50.00%	56.00%	61.39%	68.33%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Marketing Score Comparison



25.54% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

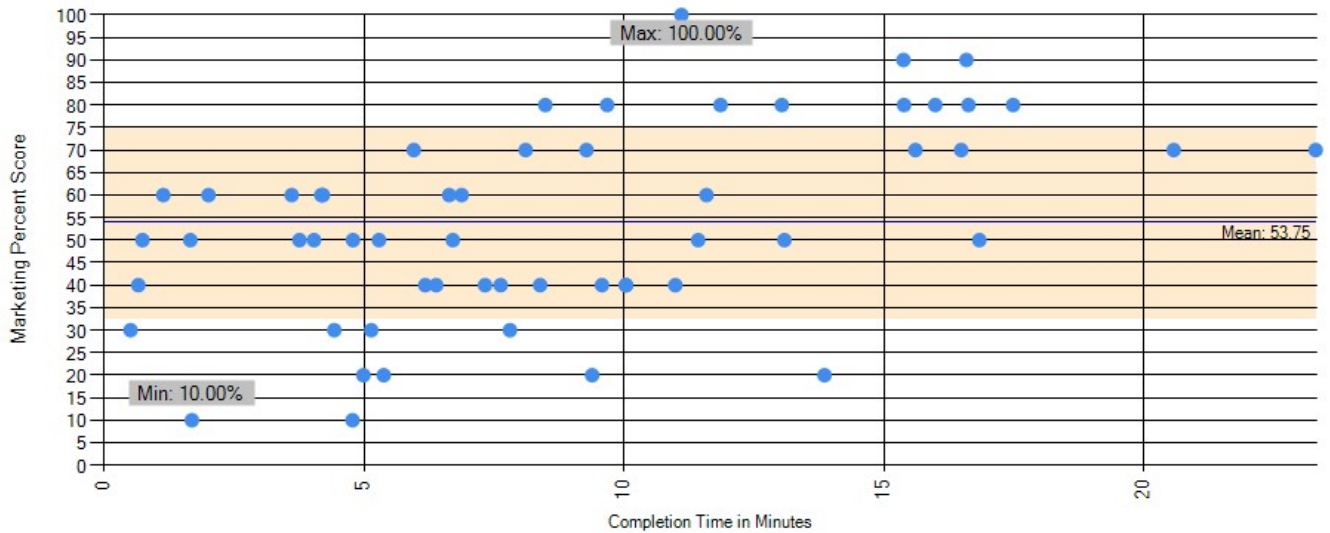
Mean Completion Time (mins): Inbound = 8.8, Outbound = 9.9

Marketing Assessment Summary

Assessment Summary Statistics

Marketing	Inbound	Outbound
Sample Size	56	115
Mean Score	53.75%	67.48%
Standard Deviation	21.37	20.43
Min Score	10%	10%
Max Score	100%	100%
Median Score	50%	70%
Mode	50%	80%

Inbound Exam Marketing Result



Sample Size: 56

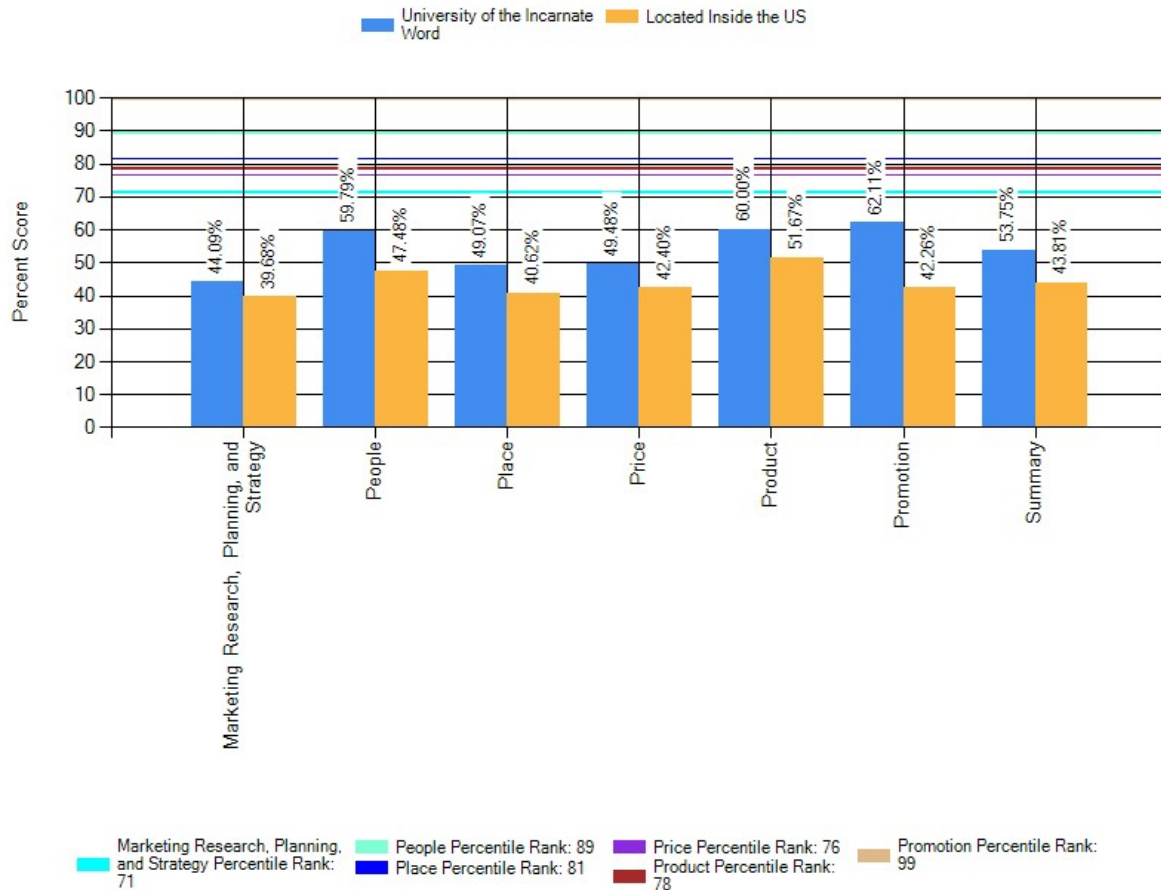
Mean Completion Time for this Topic (mins): Inbound = 8.83

Mean Score: 53.75%, Max Score: 100.00%, Min Score: 10.00%

Standard Deviation: 21.37

* Results are sorted by number of minutes taken to complete the topic.

Marketing Subject Score Comparison *Inbound Exam*

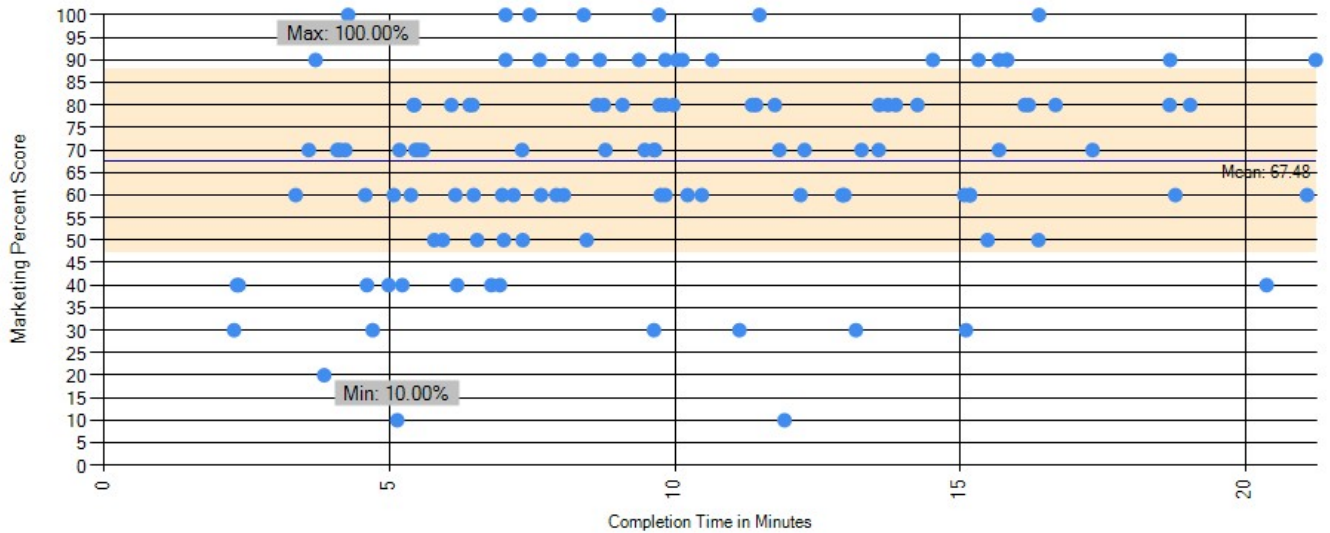


Frequency of Questions Offered on *Inbound Exams*

Marketing	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Marketing Research, Planning, and Strategy	93	44.09%	88848	39.68%	*71	34.38%	38.46%	42.37%	48.15%
People	97	59.79%	83588	47.48%	*89	40.61%	47.06%	51.92%	57.63%
Place	108	49.07%	81640	40.62%	*81	34.00%	40.00%	44.64%	50.00%
Price	97	49.48%	91538	42.40%	*76	35.71%	41.79%	46.42%	52.10%
Product	70	60.00%	79528	51.67%	*78	45.00%	50.94%	56.36%	62.50%
Promotion	95	62.11%	78535	42.26%	*99	36.21%	41.30%	45.90%	51.92%
Summary	560	53.75%	503677	43.81%	94	39.00%	43.61%	47.33%	51.00%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.
 * Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam Marketing Result



Sample Size: 115

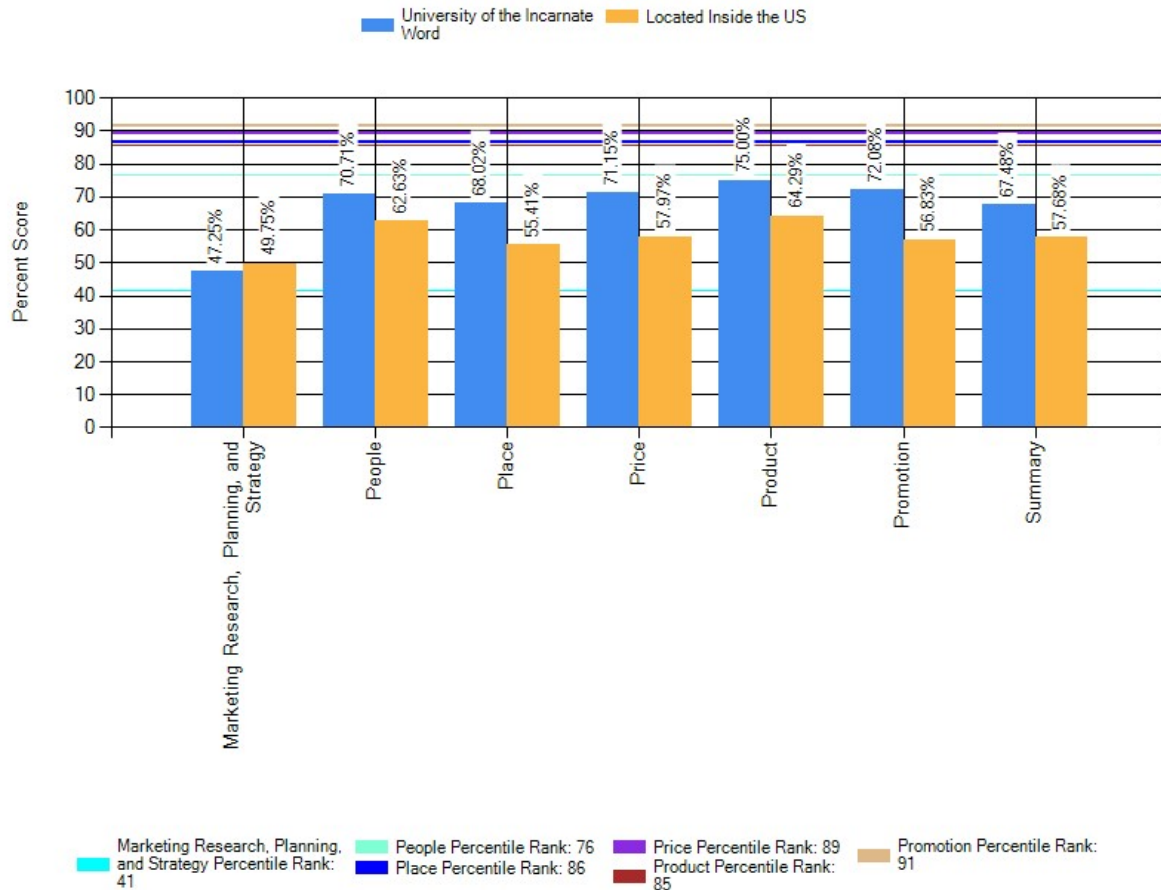
Mean Completion Time for this Topic (mins): Outbound = 9.90

Mean Score: 67.48%, Max Score: 100.00%, Min Score: 10.00%

Standard Deviation: 20.43

* Results are sorted by number of minutes taken to complete the topic.

Marketing Subject Score Comparison *Outbound Exam*



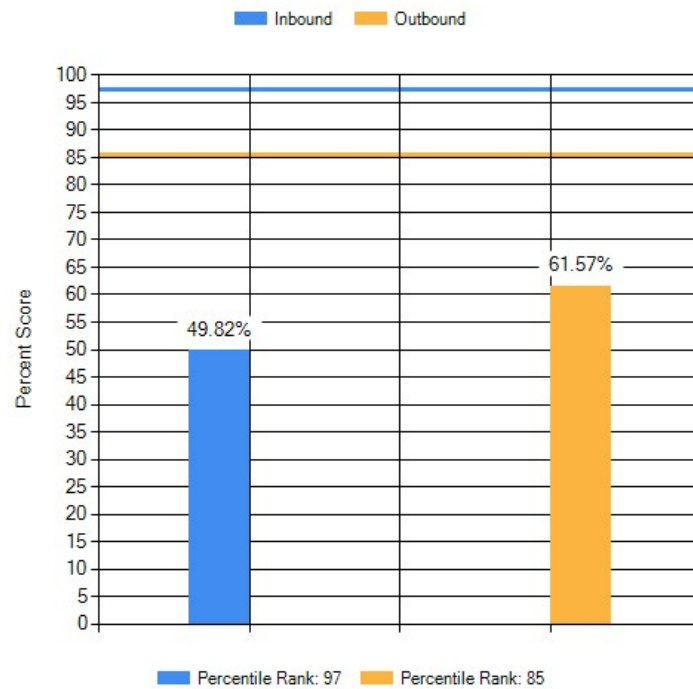
Frequency of Questions Offered on *Outbound Exams*

Marketing	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Marketing Research, Planning, and Strategy	182	47.25%	181192	49.75%	*41	43.14%	48.15%	53.03%	60.00%
People	198	70.71%	175171	62.63%	*76	55.56%	61.82%	67.24%	74.14%
Place	197	68.02%	170146	55.41%	*86	47.46%	53.68%	59.68%	67.53%
Price	208	71.15%	188865	57.97%	*89	50.90%	56.90%	62.30%	68.97%
Product	168	75.00%	164248	64.29%	*85	57.78%	63.41%	68.52%	75.00%
Promotion	197	72.08%	165041	56.83%	*91	50.00%	55.17%	60.98%	68.31%
Summary	1150	67.48%	1044663	57.68%	87	52.00%	56.67%	61.00%	66.33%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Quantitative Research Techniques and Statistics Score Comparison



23.58% Percentage change from Inbound to Outbound

Sample Size: Inbound = 56, Outbound = 115

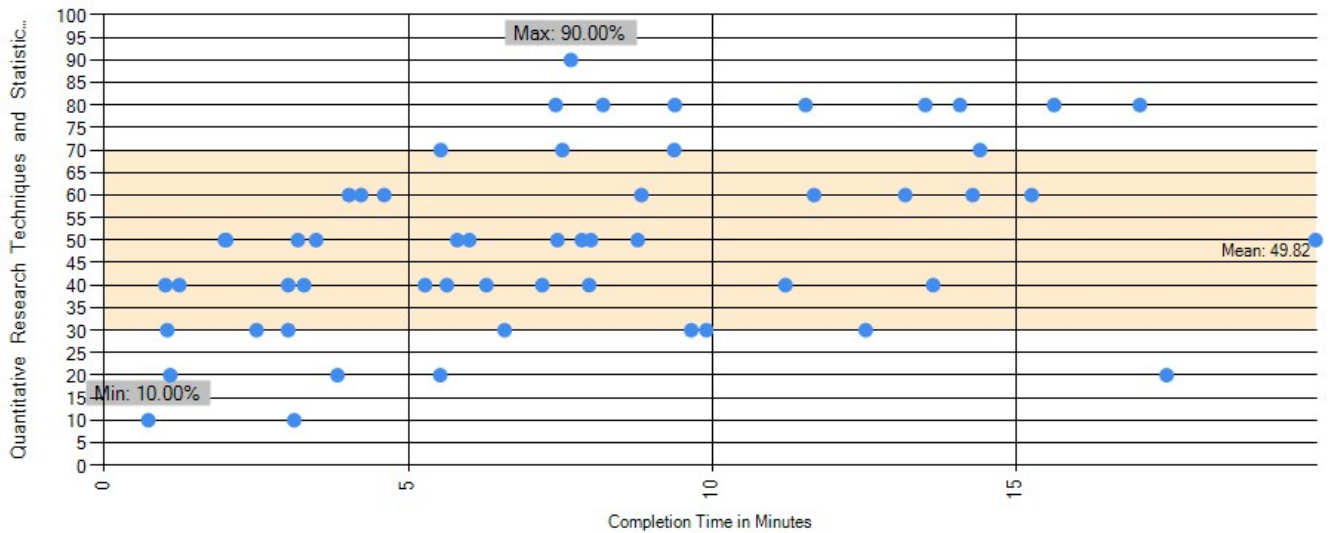
Mean Completion Time (mins): Inbound = 7.8, Outbound = 10.8

Quantitative Research Techniques and Statistics Assessment Summary

Assessment Summary Statistics

Quantitative Research Techniques and Statistics	Inbound	Outbound
Sample Size	56	115
Mean Score	49.82%	61.57%
Standard Deviation	19.95	20.71
Min Score	10%	10%
Max Score	90%	100%
Median Score	50%	60%
Mode	40%	70%

Inbound Exam Quantitative Research Techniques and Statistics Result



Sample Size: 56

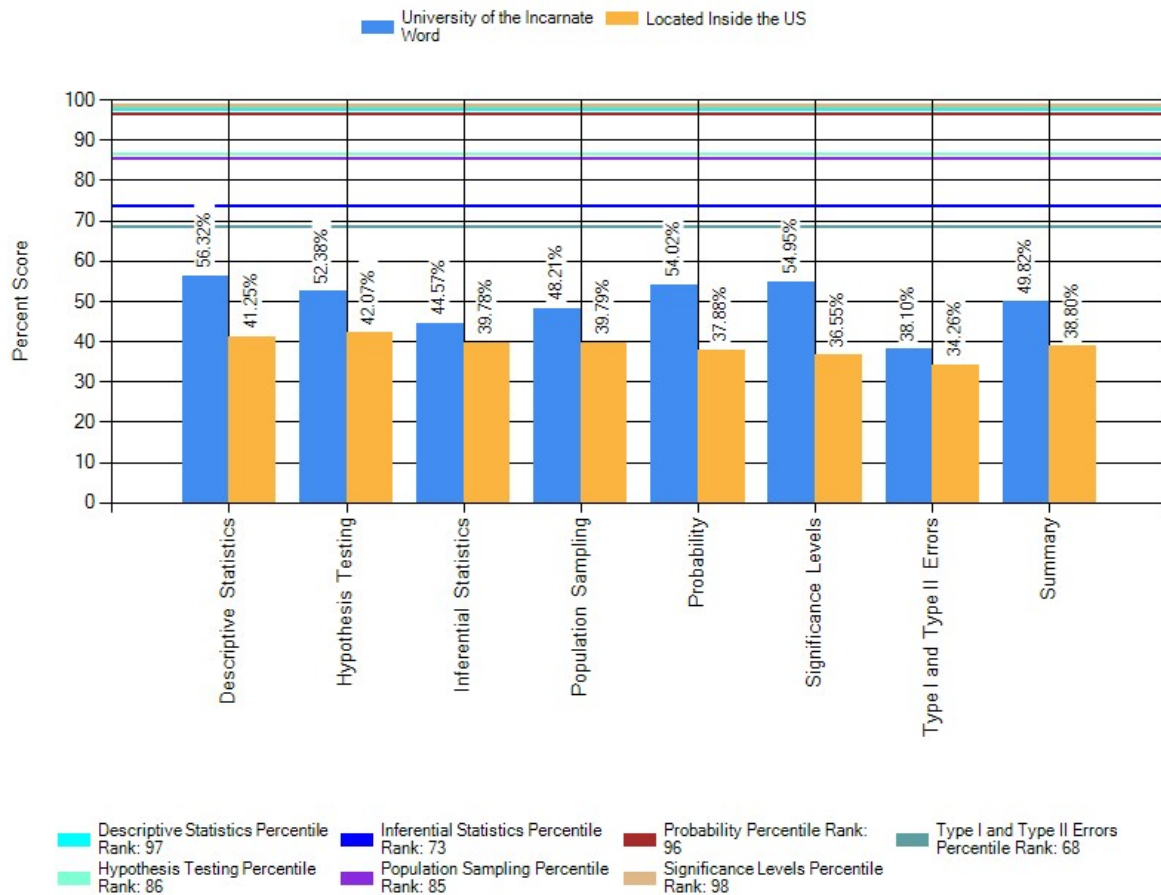
Mean Completion Time for this Topic (mins): Inbound = 7.75

Mean Score: 49.82%, Max Score: 90.00%, Min Score: 10.00%

Standard Deviation: 19.95

* Results are sorted by number of minutes taken to complete the topic.

Quantitative Research Techniques and Statistics Subject Score Comparison *Inbound Exam*



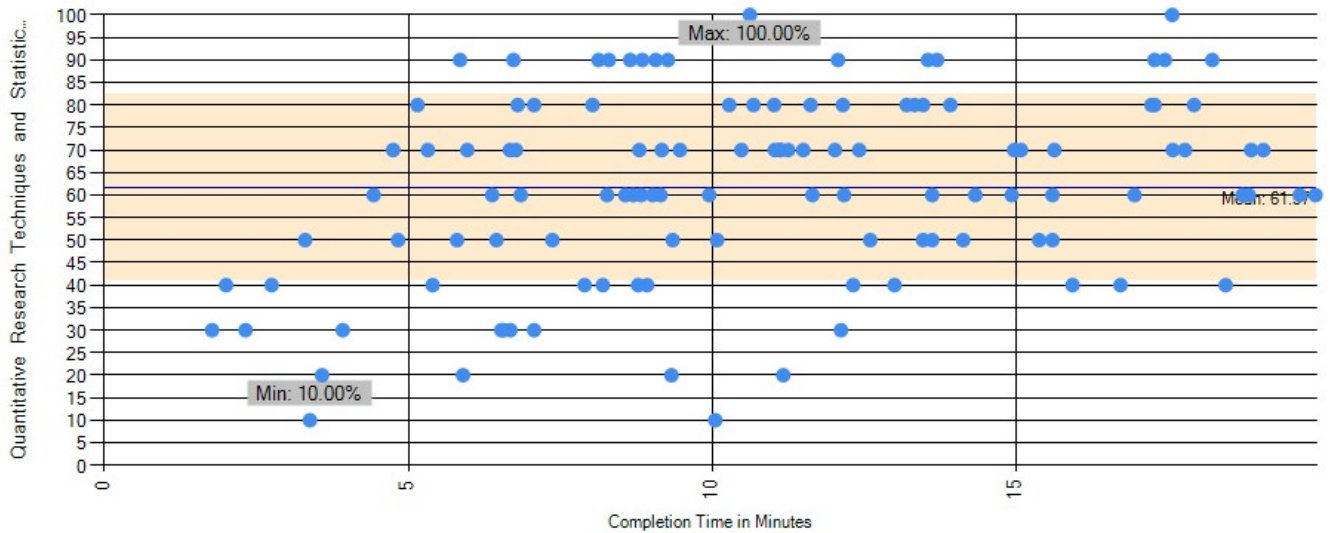
Frequency of Questions Offered on *Inbound Exams*

Quantitative Research Techniques and Statistics	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Descriptive Statistics	87	56.32%	53449	41.25%	*97	35.54%	40.32%	44.73%	49.18%
Hypothesis Testing	63	52.38%	37427	42.07%	*86	36.17%	40.48%	45.13%	51.85%
Inferential Statistics	92	44.57%	39373	39.78%	*73	33.90%	37.93%	42.11%	49.13%
Population Sampling	56	48.21%	54946	39.79%	*85	34.00%	38.46%	42.65%	48.21%
Probability	87	54.02%	44220	37.88%	*96	32.00%	36.36%	40.83%	46.77%
Significance Levels	91	54.95%	38320	36.55%	*98	31.09%	35.39%	39.29%	44.93%
Type I and Type II Errors	84	38.10%	45421	34.26%	*68	29.09%	33.33%	37.31%	42.59%
Summary	560	49.82%	313156	38.80%	97	35.08%	38.33%	40.67%	44.33%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Outbound Exam Quantitative Research Techniques and Statistics Result



Sample Size: 115

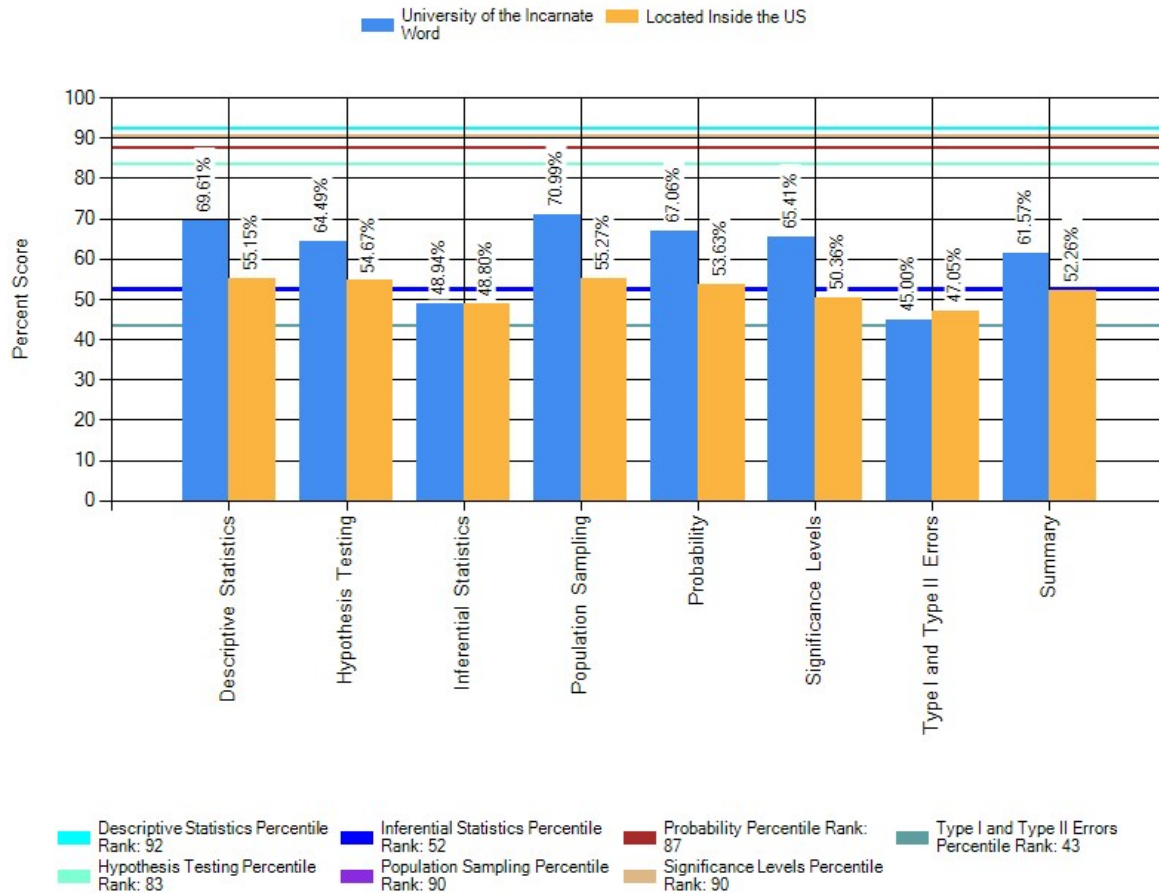
Mean Completion Time for this Topic (mins): Outbound = 10.78

Mean Score: 61.57%, Max Score: 100.00%, Min Score: 10.00%

Standard Deviation: 20.71

* Results are sorted by number of minutes taken to complete the topic.

Quantitative Research Techniques and Statistics Subject Score Comparison *Outbound Exam*



Frequency of Questions Offered on *Outbound Exams*

Quantitative Research Techniques and Statistics	Results for This Report's Dataset		Averages for the Selected Aggregate Pool		Percentile Rank for This Report's Dataset	Required Scores for Identified Percentiles Based on the Selected Aggregate Pool			
	Num Questions Offered	Frequency Correct	Num Questions Offered	Frequency Correct		25th	45th	65th	85th
Descriptive Statistics	204	69.61%	157617	55.15%	*92	48.61%	53.73%	58.82%	65.40%
Hypothesis Testing	107	64.49%	110856	54.67%	*83	47.73%	53.33%	58.94%	64.92%
Inferential Statistics	188	48.94%	127038	48.80%	*52	41.03%	46.94%	52.27%	60.32%
Population Sampling	162	70.99%	161368	55.27%	*90	47.32%	53.57%	59.70%	67.27%
Probability	170	67.06%	136596	53.63%	*87	45.83%	52.08%	57.90%	65.38%
Significance Levels	159	65.41%	124697	50.36%	*90	42.31%	48.72%	54.35%	61.82%
Type I and Type II Errors	160	45.00%	139623	47.05%	*43	39.13%	45.45%	50.98%	59.08%
Summary	1150	61.57%	957795	52.26%	85	45.96%	50.67%	55.67%	61.33%

Frequency correct values in this table are rounded for easier display. To see the raw value please select the Excel version of this report.

* Please note that either the aggregate pool sample and/or school sample for this data set is relatively low for the Percentile Rank calculation.

Understanding and Using the Report

The purpose of the following analyses is to assist administrators, academic program managers, assessment coordinators, course managers, and other academic officials with program-level direct assessment of the institutional programs. These data should be used to assess the strengths and opportunities for improvement associated with the academic programs based upon the knowledge levels of the students regarding the foundational learning outcomes of the curriculum.

An Inbound/Outbound exam construct provides data for both internal and external benchmarking. The Inbound Exam evaluates the student's knowledge level towards the beginning of the student's program of study. The Outbound Exam assesses the student's knowledge level at the end of the student's program of study. The difference in results between the Inbound and Outbound Exams is the direct measure of learning most often used for internal benchmarking. Additional subject-level analysis compared to specific aggregate pools allows for both internal and external benchmarking.

The number of questions offered and the frequency correct value of the aggregates is based on the sampling of the data at each level (subject, topic, total) independent of each summary level. Meaning, the sum of the number of questions offered for a set of subjects may not equal the number of questions offered for the topic.

Outbound Exam results are relative. Outbound Exam relevancy is understood best in terms of the change in knowledge level from the time a student enters the program compared to when they graduate from the program.

If identified, cohort level analyses provide program administrators with comparative information based upon the student cohort groups that the school has identified. Side-by-side comparisons are shown to supplement program-level analysis.

External comparisons of outbound scores with the various aggregate pools should only be used as a relative index of how the assessed program compares with other programs. There is a high degree of variability between schools with respect to specific curriculums and areas of emphasis or concentrations. Comparisons include other schools with relatively similar student populations and educational delivery means, not necessarily based on the exact curriculum of the program (which would be nearly impossible and most likely unrealistic). Multiple pools can be selected for these comparisons.

There are two types of data analyses included within the report: Means of Scores Analysis and Analysis of Percent Correct:

- a. **Means of Scores Analysis.** This is a simple mean whereby we take the scores, total, and divide by the number of scores. The sample then is either the schools' number of exams included in the report or the total number of completed exams in the aggregate pools.
- b. **Analysis of Percent Correct.** This is a total figure used whereby we take the total number of questions answered correctly (either at the Subject, Sub-topic, or Topic levels) and divided by the total number of questions offered, expressed as a percentage. A set of exam results is treated as one set of data/sample. These results are then compared to the aggregate pool results, which are similarly calculated.

For percentile ranking calculations and for the percentile benchmarks shown for the selected aggregate pool, results are subject to sample size limitations. In general, percentile ranking and percentile benchmarks should be used with caution relative to making programmatic changes based on the results if the sample of Questions Offered for the aggregate pool is less than 300 for a specific subject.

Average Total Score Percentile. Because not all exams include the same set of topics, a percentile value based on the Exam Total scores cannot be calculated with statistical precision. Most client schools customize the exams using topic selection and some include an internally developed topic. Therefore, the Average Total Score Percentile values are calculated as a simple mean of the topic percentile values. The Average Total Score Percentile values are shown only to provide a relative comparison of the Total Score.

Tips, Techniques, and Suggestions for Applying the Results of this Report for Academic Program-level Analysis and Continuous Improvement

The following tips, techniques, and suggestions for understanding and applying the results presented in this report for academic program-level analysis and continuous improvement are based on our years of experience in working with our client institutions, meeting with academic officials to review the results, and lessons learned from the accreditation institutions.

Reviewing the Results

- Topic and sub-topic level scores tend to be more significant in terms of analysis value than the total score. Although most exams include all available topics, not all exams will include all available topics. Therefore, the total score comparisons are shown for relative benchmarking whereas the topic and sub-topic level score comparisons will tend to be more meaningful in terms of understanding relevancy of the scores.
- If there are topics included on the exam that do not appear to be directly related to your curriculum and/or learning outcomes, consider removing these topics from future testing. It is generally best not to test on topics that are not included in the program's curriculum.
- We have an Aggregate Extraction report available that includes the aggregate pool summary data that is used for comparison analysis purposes. This report is available to you on your Client Administration site under the menu item *Reports*
- Consider the sample size for the exam period before making changes in the program based on the exam results. Lower sample sizes tend to have higher standard deviations. In general, it is best to have a sample of at least 100 exams before the results can be used for program changes. Since report period is a variable, we can go back and include past exam results for future reporting in order to get the sample size high enough for meaningful analysis.

Learning Outcome Analysis

- To evaluate the institution's learning outcomes, consider the table shown for each topic the frequency of questions correct. These data are most useful when considering learning outcome.
- Not every subject included on the exam will directly correspond to a program's learning outcome because this is a standardized test meant to apply to the widest diversity of programs. Therefore, the score for the topic or subtopic must be taking in the context of the subject-level analysis. For example, a relatively low topic/sub-topic score may be acceptable provided that the subject-level scores are high for those subjects that are directly related to learning outcomes. Conversely, a high topic/sub-topic score may be unacceptable if the questions missed on the exam were high for key learning outcomes.

Continuous Improvement

- It is important not to make too many changes in a program at the same time based on one or two exam periods. Instead, it is generally better to make small incremental changes to the program based on these results and then monitor the results to assess the consequences of the change effort.
- Specific ideas for continuous improvement include:
 - Updating course content to include more case study type instruction that combines topics in the same analysis.
 - Including a review of key topics towards the end of the program (e. g. in the CAPSTONE course) that includes an application exercise that requires a review and understanding of all the topics included within the program.

Interpreting and Using the Exam Scores

Inbound Exam results are obtained from incoming students who have not yet completed their advance program of study. Cumulative Inbound Exam results are only used relative to the cumulative outbound results to directly measure academic learning. Individual student results from Inbound Exams (Individual Results Report) can be used to help guide, advise, and place a student within a program of study; however, individual results should generally not be used for academic grading purposes other than perhaps extra credit (or some other incentive) to complete the exam.

Outbound Exam results are a direct measure of academic learning since the students taking the Outbound Exams have completed or nearly completed the degree program.

Outbound Exam results, both cumulatively and individually, **DO NOT** correspond directly to a traditional academic grading scale. This is a nationally normed exam with an average degree of difficulty of approximately 55%-60%. The exam is relative to only to the inbound results as well as the external aggregate comparisons.

There is a distinct difference between evaluating results versus grading individual exams. Individual student grading of Outbound Exams should be conducted using the table shown below on a relative grading scale (school officials determine the exact letter/point grades). Evaluation of the results for internal and external benchmarking should be conducted based comparisons to aggregate pools and between the Inbound and Outbound Exam results.

NOTE: There is no such level as a “passing” or “acceptable” score based on the results of this nationally normed exam nor do accreditation organizations expect to see a passing or acceptable level. Rather, school officials determine what is passing/acceptable based on associated benchmarks.

To encourage students to do their best with the Outbound Exams, an incentive is usually needed. Exam incentives include a direct grade, grading for extra credit if the result is above a certain threshold, or credit for a future assignment/activity within a course. Some client schools also use top scores to determine prizes or gifts. Typically, simply grading the exam based on the following relative grading scale is the best approach to properly incentivize the exam.

Another useful way of evaluating scores of outbound exams is to review the mean completion times. Typically, for example, a 100-question exam should take the student about 60-90 minutes to complete. If exam completion times are below 30-45 minutes academic officials may consider further efforts to incentivize the exam in order to get the students to take the exam seriously and thus, improve results. Mean completion times are shown in many of the graphs and tables. Reports can be re-run to screen out exam results where the completion time is below a desired threshold.

The following table shows an approximate relationship between the exam results and relative student performance based upon competency level. **Note: This table should only be used for relative grading purposes of individual student exams. This table should not be used to evaluate exam results for program-level assessment, rather the evaluation of exam results should be based on scores and comparisons of scores with the benchmarks.**

Abandoned exams are not included in the data set for this report.

<u>Exam Score</u>	<u>Relative Interpretation of Student Competency</u>
80-100%	Very High
70-79%	High
60-69%	Above Average
40-59%	Average
30-39%	Below Average
20-29%	Low
0-19%	Very Low

If specific academic credit (grade and points) are to be awarded to students based on their exam results, the table to the left could be used to assign letter grades, extra credit, and/or course points, assuming that the exam is included within a course.

Glossary of Terms

Abandoned Exam. An exam that had the 48 hour time limit elapse. These exams are auto-completed, giving the student a score of "0" for each unanswered question. These exams are only included in the school's individual results, not in the reporting or analysis.

Academic Level. The academic degree level of the program: associate, bachelors, masters, and doctoral.

Aggregate Pools. The aggregate pool is the data set used for external benchmarking and comparisons and is based on the results from accredited institutions. The various aggregate pools are defined as follows:

Pools Based on Program Delivery Modality

1. **Traditional.** The majority of the program is delivered at a campus location at an established college or university. The majority of the students are recent high school graduates, typically 18-22 years old. Courses are taught on a semester or quarter basis, typically Monday through Friday.
2. **Online.** The majority of the program is delivered online to students and there is little, if any, requirement for the students to go to a campus location any time during their college or university experience. The majority of the students are considered non-traditional, meaning they tend to be older, may have some college credit prior to starting their program, and are often working adults completing their degree program.
3. **Blended.** The program is delivered to students using a combination of online and campus-based instruction and/or the program is delivered in an accelerated format. The course term is typically 4 to 8 weeks. Campus-based instruction tends to be either at night or on weekends with generally longer sessions. The student population tends to be non-traditional, meaning they tend to be older, may have some college credit prior to starting their program, and are often working adults completing their degree program.

Pools Based on Location

1. **Outside-US.** Includes colleges and universities outside of the United States. Program delivery is usually campus-based; however, the aggregate pool includes some blended programs and online programs.
2. **Regional/Country.** Includes colleges and universities outside of the United States from specific regions (e.g. Latin America, Europe, Asia, etc.) or from specific countries (e.g. Mongolia). Program delivery is primarily campus-based; however, the pools may include some blended and online course delivery.
3. **Inside the US.** Includes all US-based schools and programs.

Pools Based on Institute Characteristics

1. **Large Private.** This aggregate pool includes large, privately owned universities within the United States.
2. **HBCU.** Includes colleges and university that are designated as Historically Black Colleges and Universities.
3. **Private.** US schools that are privately owned.
4. **Public.** US schools that are publically owned.
5. **Faith-based.** US schools that have a specific religious affiliation or association.

Masters-level Pools Based on Degree Type

1. **Masters-MBA.** Includes programs that are designed as Masters of Business Administration.
2. **Masters-MS.** Includes programs that are designed as Masters of Science.
3. **Masters-MA.** Includes programs that are designed as Masters of Arts.
4. **Masters-MHA.** Includes all assessments under the Health Care Administration.
5. **Masters-MPA.** Includes all assessments under Public Administration.

Pools Based on Dual-Accreditation Affiliation

1. **IACBE.** Includes business schools and programs affiliated with the International Assembly for Collegiate Business Education. Where available, this pool is further divided by IACBE Region.
2. **ACBSP.** Includes business schools and programs affiliated with the Accreditation Council of Business Schools and Programs. Where available, this pool is further divided by ACBSP Region.
3. **AACSB.** Includes business schools and programs accredited with the Association to Advance Collegiate Schools of Business.

Assessment Period. The date range for the report, which includes all the exams administered within these dates. For synchronous schools, the assessment period is generally based upon the semester or quarter. For asynchronous schools, the assessment period is generally annual, semi-annual, or quarterly. School officials determine the assessment period.

Coefficient of Determination (R²) denoted R² and pronounced R squared, is a statistical measure of how well the regression line approximates the real data points. An R² of 1 indicates that the regression line perfectly fits the data.

Cohort. A group of students based upon a demographic factor such as specialization, campus location, program start date, etc. We provide cohort-level analysis based upon cohort categories identified at the start of the exam cycle.

Exam. Includes all of the topics to be assessed for a specified program. Each topic has 10 questions included within exam, randomly selected from a validated test bank that includes 300-500 exam questions. Inbound and Outbound Exams are generated from the same test bank of questions.

External Benchmarking. Analyses performed by comparing the cumulative results from a school with a demographically similar aggregate data set.

Frequency of Questions Correct. For Outbound Exams, the frequency of questions correct is calculated for each subject within a topic. The formula is: $(\text{Number of Questions Correct} / \text{Number of Questions Offered}) * 100$. In order to provide a relative index for understanding these data, an average of questions correct is shown for the aggregate pool selected for the Internal Analysis Report. To see the comparisons for other pools, the Internal Analysis Report can be re-run with a different pool selected.

Inbound Exam. A student exam administered early in the student's program, usually during their first or second core course, that measures the student's knowledge level at the beginning of their academic program.

Internal Benchmarking. Analyses performed by comparing the inbound and outbound exam scores and/or by the analyses of the frequency of questions correct for each subject within a topic.

Mean Completion Time. The average time, in minutes, to complete the exam. Mean completion time is also shown for each topic. Mean completion times are helpful when evaluating student effort, particularly with Outbound Exam results. If the Outbound Exams have a relatively low mean completion time, this may be an indication that the students are not putting forth their best effort. Additional incentives may be necessary to encourage better student performance (extra credit, points, letter grades, credit for future assignments, etc.).

Outbound Exam. A student exam administered at the end of the student's academic program, usually within their last course, that measures the student's knowledge level at the end of their academic program.

Percentage Change. The percentage change between two scores. For inbound/outbound testing, the percentage change is calculated using the following formula: $(\text{Outbound Score} / \text{Inbound Score}) - 1$.

Percentage Difference. The percentage difference between a school's outbound student results and the aggregate, calculated using the following formula: $\text{Aggregate Score} - \text{School Score}$.

Percentile. Percentiles are shown within the subject level analysis based upon the frequency of questions answered correctly. The measure is used to establish relevancy of the school's score with the selected aggregate pool used for the Internal Analysis Report. The percentile benchmarks indicate to what level an average score is needed in order to be at the 80th, 85th, 90th, or 95th percentile, which school officials can subsequently use for academic benchmarking and for setting performance targets.

1. A **percentile rank** is the percentage of scores that fall at or below a given score and is based on the following formula: $((\text{NumValuesLessThanScore} + (0.5 * \text{NumValuesEqualScore})) / \text{TotalNumValues}) * 100$. When shown, the percentile rank of the school's exam sample of the subject/subtopic/topic score to the aggregate pool is based on using exam results within the aggregate pool grouped by school and calculated using samples of 30 exams. The percentile rank is not a ranking based on the number of individual schools included within the aggregate pool, rather it is a percentile ranking compared to the exam results included within the aggregate pool.
2. The **percentile benchmark** values are calculated using the Empirical Distribution Function with Interpolation based upon the Excel Function of PERCENTILE.INC (array,k) with the following formula: $(n-1)p=i+f$ where i is the integer part of $(n-1)p$, f is the fractional part of $(n-1)p$, n is the number of observation, and p is the percentile value divided by 100. The percentile benchmark then is the required score of questions correct to be at a specific percentile value (80th, 85th, 90th, or 95th) and is based on interpolation.

Percent Change Comparison. The percent difference between the school's percent change between Inbound and Outbound Exam results and the aggregate pool's percent change between Inbound and Outbound Exam results. The percent change comparison represents a relative learning difference between the specific school and demographically similar schools.

Scatter Plot. A visual representation of the exam results for all students. The purpose of the scatter plot is to provide you with a visual reference for the ranges in results.

Subjects. For each topic, questions are grouped using 4-8 subject areas. Subjects generally correspond to the school's learning outcomes associated with each topic. In using these data, consider the Subject is the Learning Outcome without the verb.

Subtopic. For the topics of Economics and Management, there are identified subtopics. For the topic of Economics, the subtopics are Macroeconomics and Microeconomics. For the topic of Management, the subtopics are Operations/Production Management, Human Resource Management, and Organizational Behavior. NOTE: When analyzing and evaluating the sub-topic scores, the cumulative totals of the subtopic scores (percentages) will not equal the topic score. The subtopic scores are based on the number of questions answered correctly for that specific subtopic. For example, getting 2 out of 3 questions correct for the subtopic of Human Resource Management is a score of 66.66%, 3 out of 4 correct on Organization Behavior is 75% and 1 out of 3 on Operations/Production Management is 33.33%. The total Management topic score, however, is $2+3+1 = 6$ out of 10, or 60%.

Summary Statistics. Includes the mean completion time, sample size, average score, standard deviation, and the min/max/median/mode scores.

Total Exam Score Significance. If a student simply randomly selected responses to questions, the statistical mean of the total score of such a randomly responded to exam would be approximately 30% (+/- 2.5% depending upon the number of questions on the exam). Therefore, exam scores above 30% could be considered significant in terms of measuring actual knowledge levels.

Understanding and Using the Report

The formulas used for percentile calculations are shown within the glossary of terms. Two statistical artifacts could appear on your reports

where the percentile rank seems “off” when compared to the calculated values for the percentile benchmarks.

1. **Statistical Artifact #1:** Due to the use of different formulas used to calculate the school’s percentile rank and the required scores for specific benchmarks, the school’s rank is less than or higher than the required score for a percentile benchmark, usually by a factor of 1 percentile value. When calculating the percentile rank, we use the school’s score and simply calculate the percent of scores that are at or below that score. When we calculate the percentile benchmark, we use an interpolation function to determine the required score for a specific percentile. Therefore, we use two different formulas for the percentile values: the first concerns the score and how many at/equal to the given score and the second an interpolation to calculate the desired score. Both use the same distribution list of scores, arranged in sequence from low to high. When we developed the distribution tables, we used 5 decimal points. When we calculated the benchmarks, we also calculated to 5 decimal points. We show, however, two decimal points in the table.
2. **Statistical Artifact #2:** Due to sample size limitations and rounding, the school’s rank is less than the required score for a higher percentile benchmark. The lower the number of exams in the pool, the more these situations will occur. For example: the school score is 56.52% and the 85th percentile is 56.52. In this case, both calculations are correct; the issue concerns sample size. With only 586 questions offered in the pool, we have a distribution sample of 15 values. When we do the rank calculation (the 81st), it comes out “low” due to the sample size and the values within the distribution. When we do the calculations of the benchmarks (interpolation), the actual 85th benchmark to 5 decimal places is 56.52377, but rounds to 56.52 in the table. The school’s score of 56.52 and the full number is 56.52173 (52/92 correct). The school’s value is below the benchmark of 56.52% for the 85th Percentile, but due to rounding, it looks like the school’s score should be at the 85th percentile.