



Customer: TN Tech Univ - Acad Aff
 Test/Survey: California Critical Thinking Skills Test - 00.2.10
 Report Date: 6/6/2018 10:27:17 AM

California Critical Thinking Skills Test (CCTST). The CCTST measures the reasoning skills human beings use in the process of reflectively deciding what to believe or what to do.

Skill/Attribute Name	N	Mean	Median	Standard Deviation	SE Mean
OVERALL	1257	17.6	17	5.3	0.2
Analysis	1257	3.8	4	1.4	0
Inference	1257	9.0	9	2.8	0.1
Evaluation	1257	4.7	4	2.2	0.1
Induction	1257	9.8	10	2.8	0.1
Deduction	1257	7.8	7	3.1	0.1

Skill/Attribute Name	Minimum	Maximum	Quartile 1	Quartile 3
OVERALL	3	30	14	21
Analysis	0	7	3	5
Inference	1	15	7	11
Evaluation	0	11	3	6
Induction	0	17	8	12
Deduction	0	16	5	10

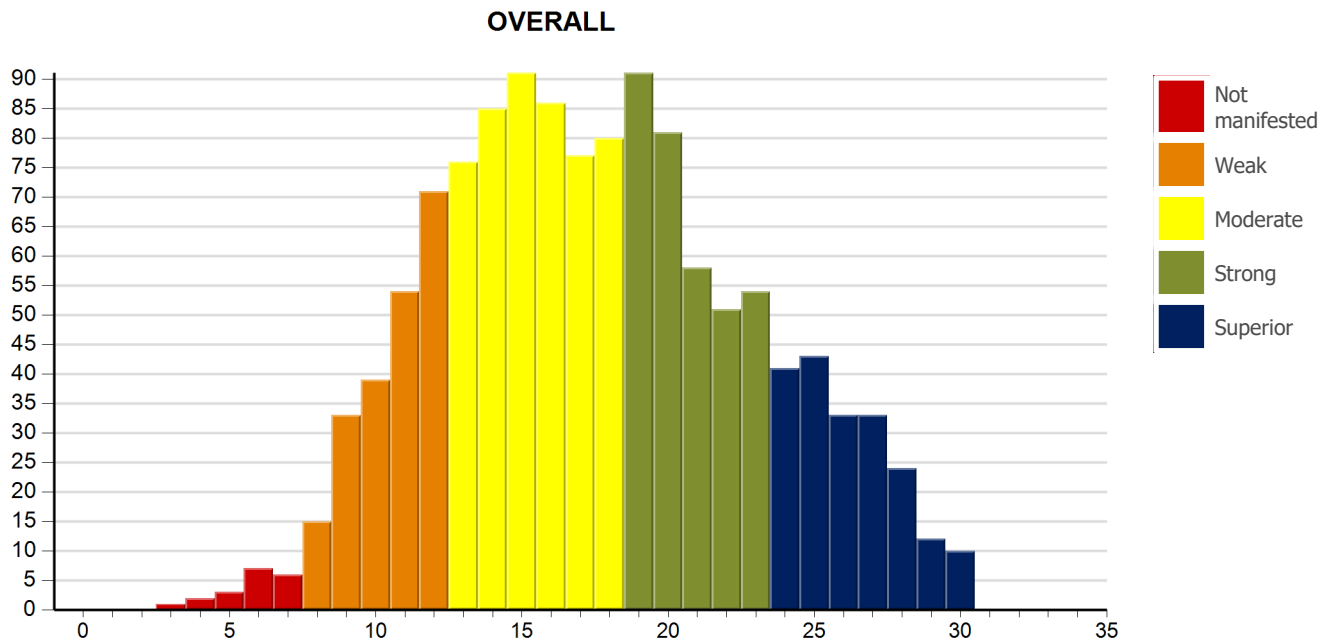
Based on the distribution of the overall score percentiles for the test takers in this group, as compared to an aggregate sample of CCTST Four Year College Students, the average percentile score of this group of test takers is 55.



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Descriptive Information: OVERALL

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
1257	17.6	17.0	5.3	0.2	3	30	14.0	21.0



The Reasoning Skills Overall score describes overall strength in using reasoning to form reflective judgments about what to believe or what to do. High Overall scores are attained by test takers who excel in the sustained, focused and integrated application of core thinking skills measured on this test, including analysis, interpretation, inference, evaluation, explanation, induction and deduction. The Overall score predicts the capacity for success in educational or workplace settings which demand reasoned decision making and thoughtful problem solving.

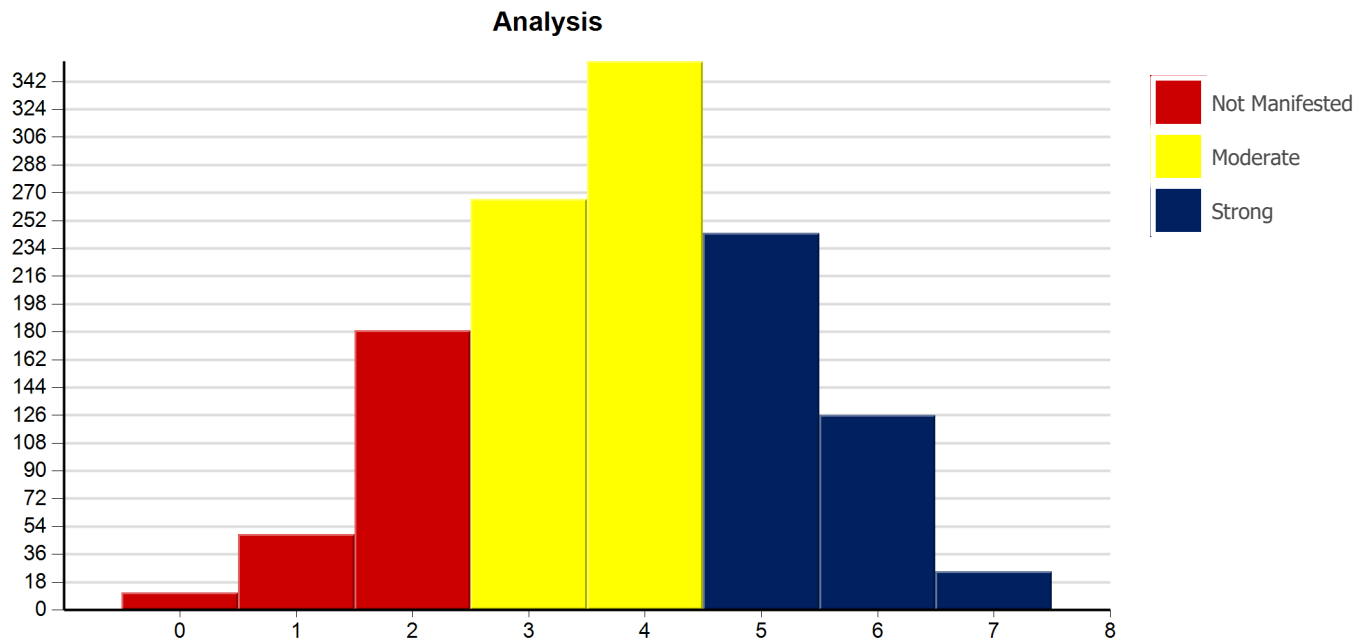
The descriptive information reported below indicates strengths and weaknesses in specific areas. These results are useful for understanding group characteristics, for comparing and contrasting similar groups on specific attributes or skills, and for guiding the development of more targeted educational or training programs.



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Descriptive Information: Analysis

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
1257	3.8	4.0	1.4	0.0	0	7	3.0	5.0



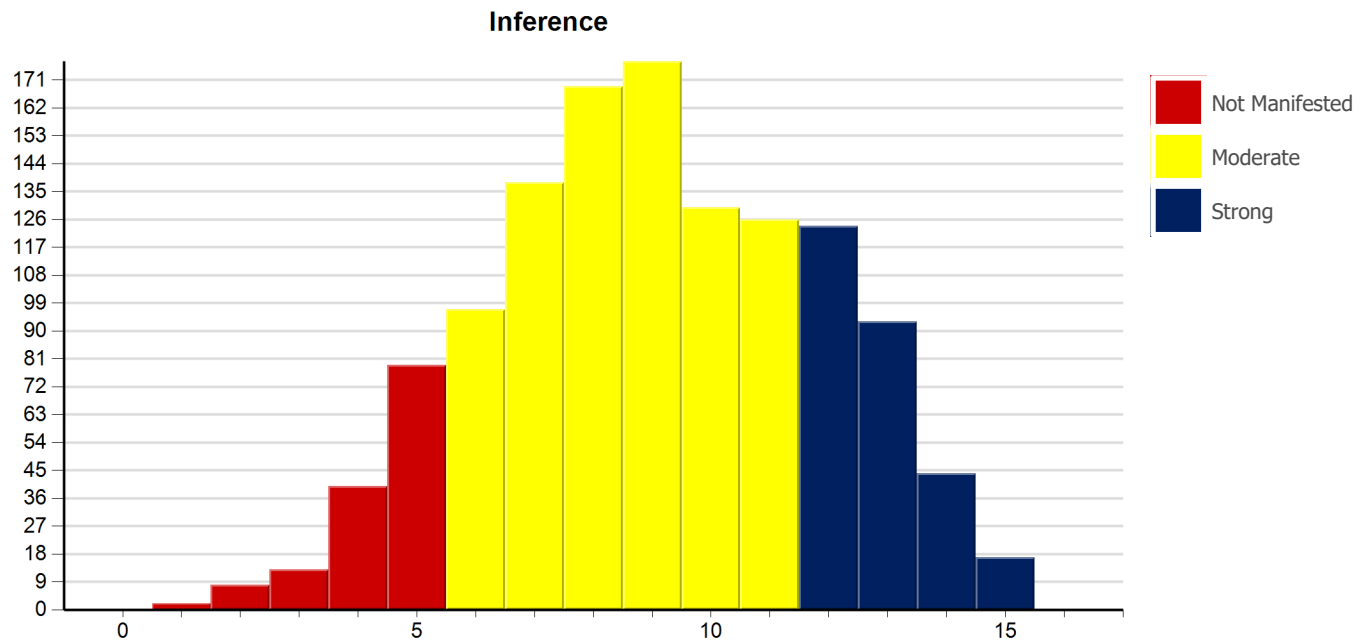
Analytical skills are used to identify assumptions, reasons, themes, and the evidence used in making arguments or offering explanations. Analytical skills enable us to consider all the key elements in any given situation, and to determine how those elements relate to one another. People with strong analytical skills notice important patterns and details. People use analysis to gather the most relevant information from spoken language, documents, signs, charts, graphs, and diagrams.



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Descriptive Information: Inference

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
1257	9.0	9.0	2.8	0.1	1	15	7.0	11.0



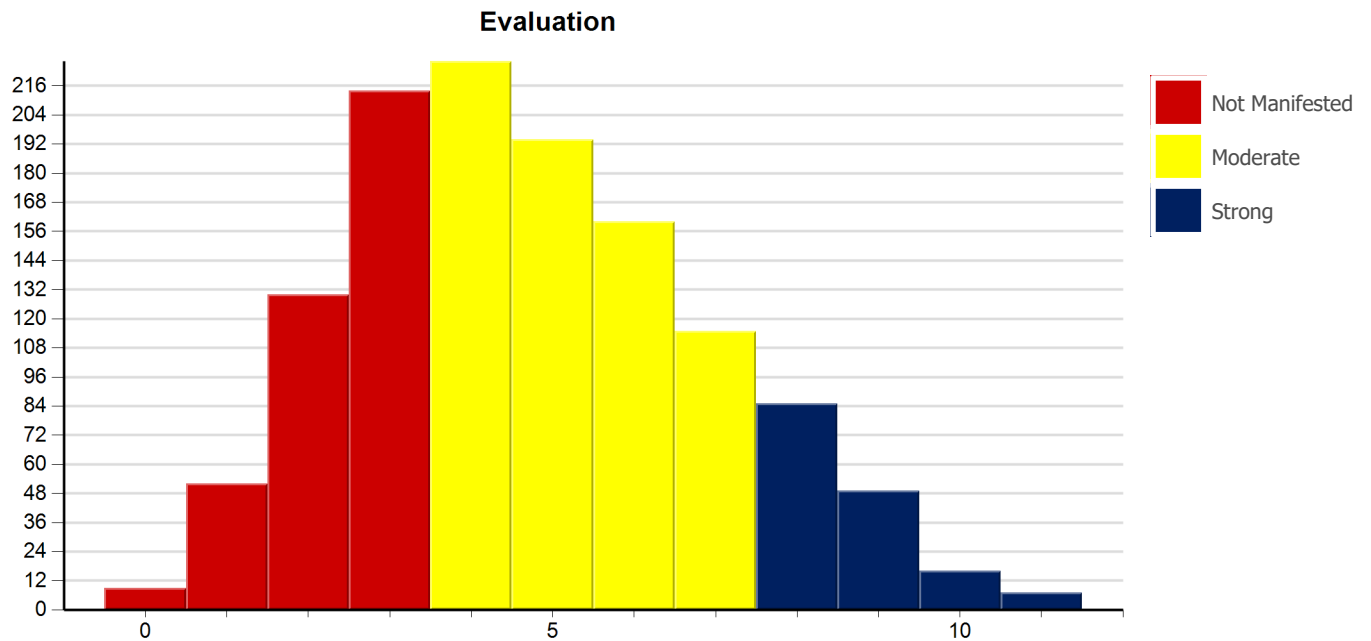
Inference skills enable us to draw conclusions from reasons, evidence, observations, experiences, or our values and beliefs. Using Inference, we can predict the most likely consequences of the options we may be considering. Inference enables us to see the logical consequences of the assumptions we may be making. Sound inferences rely on accurate information. People with strong inference skills draw logical or highly reliable conclusions using all forms of analogical, probabilistic, empirical, and mathematical reasoning.



Customer: TN Tech Univ - Acad Aff
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Descriptive Information: Evaluation

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
1257	4.7	4.0	2.2	0.1	0	11	3.0	6.0



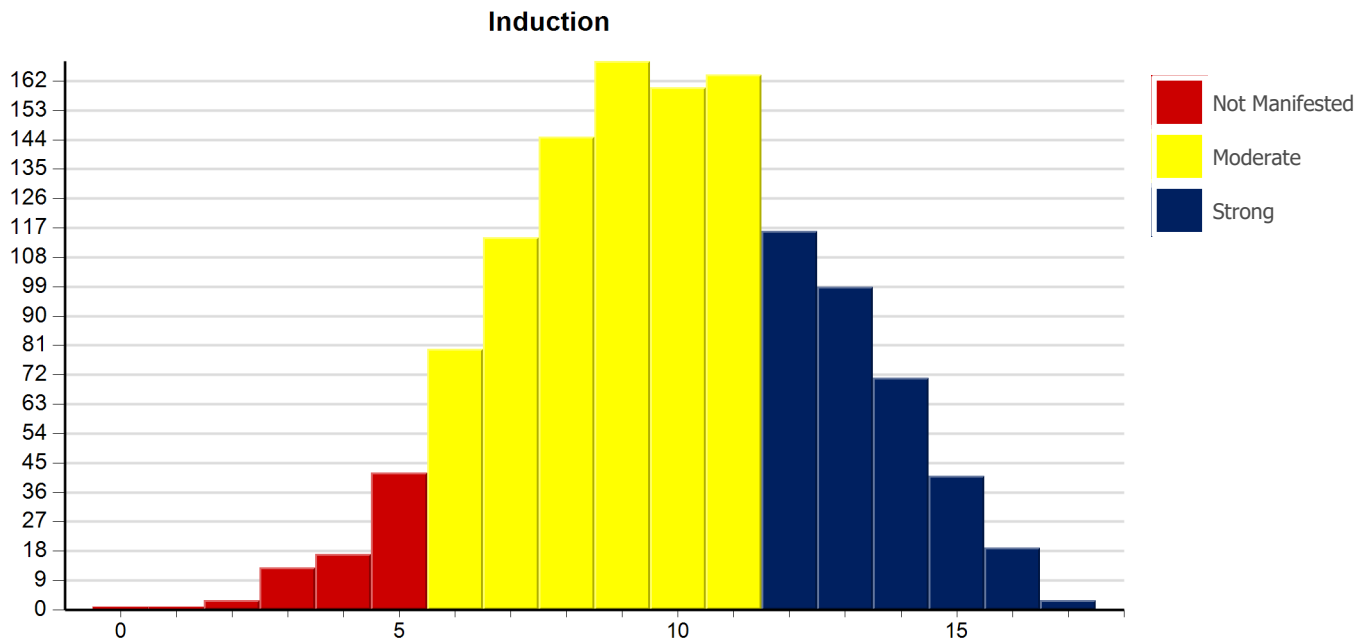
Evaluative skills are used to assess the credibility of the claims people make or post, and to assess the quality of the reasoning people display when they make arguments or give explanations. We can also apply our evaluation skills to assess the quality of many other elements that are important for good thinking, such as analyses, interpretations, explanations, inferences, options, opinions, beliefs, hypotheses, proposals, and decisions. People with strong evaluation skills can judge the quality of arguments and the credibility of speakers and writers.



Customer: TN Tech Univ - Acad Aff
 Test/Survey: California Critical Thinking Skills Test - 00.2.10
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Descriptive Information: Induction

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
1257	9.8	10.0	2.8	0.1	0	17	8.0	12.0



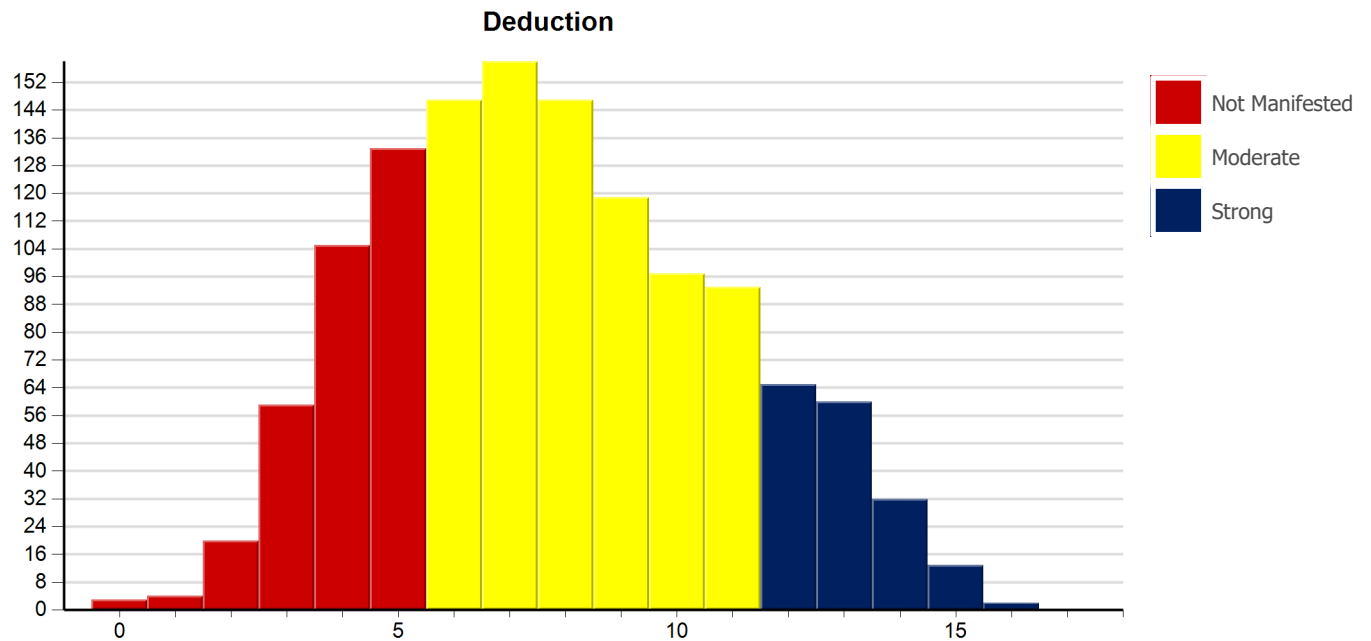
Inductive reasoning relies on estimating likely outcomes. Decision making in contexts of uncertainty relies on inductive reasoning. Inductive decisions can be based on analogies, case studies, prior experience, statistical analyses, simulations, hypotheticals, trusted testimony, and the patterns we may recognize in a set of events, experiences, symptoms or behaviors. Inductive reasoning always leaves open the possibility, however remote, that a highly probable conclusion might be mistaken. Although it does not yield certainty, inductive reasoning can provide a solid basis for confidence in our conclusions and a reasonable basis for action.



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 Report Date: 6/6/2018 10:27:17 AM

Descriptive Information: Deduction

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
1257	7.8	7.0	3.1	0.1	0	16	5.0	10.0



Deductive reasoning is rigorously logical and clear cut. Deductive skills are used whenever we determine the precise logical consequences of a given set of rules, conditions, beliefs, values, policies, principles, procedures, or terminology. Deductive reasoning is deciding what to believe or what to do in precisely defined contexts that rely on strict rules and logic. Deductive validity results in a conclusion which absolutely cannot be false, if the assumptions or premises from which we started all are true. Deductive validity leaves no room for uncertainty. That is, unless we decide to change the very meanings of our words or the grammar of our language.



Customer: TN Tech Univ - Acad Aff
Test/Survey: California Critical Thinking Skills Test - 00.2.10
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This report contains assessment results from the following assignments.

Assignment Number	Description
13	Results Received May 2018
11	Education201810
10	Education Fall 2017



Customer: TN Tech Univ - Acad Aff
Test/Survey: California Critical Thinking Skills Test plus Numeracy - 12.1.12
Report Date: 6/6/2018 10:27:56 AM

California Critical Thinking Skills Test plus Numeracy (CCTST-N). The CCTST-N measures the critical thinking and numeracy skills human beings use in the process of reasoning reflectively to a judgment about what to believe or what to do.

Skill/Attribute Name	N	Mean	Median	Standard Deviation	SE Mean
OVERALL	236	72.5	72	5.7	0.4
Analysis	236	72.3	71	7.9	0.5
Inference	236	72.9	73	6.5	0.4
Evaluation	236	71.5	71	7.6	0.5
Induction	236	74.6	75	6.7	0.4
Deduction	236	71.3	71	6.1	0.4
Interpretation	236	75.0	75	7.5	0.5
Explanation	236	72.7	71	8.2	0.5
Numeracy	236	70.0	69	7.6	0.5

Skill/Attribute Name	Minimum	Maximum	Quartile 1	Quartile 3
OVERALL	61	90	68	76
Analysis	55	100	67	75
Inference	55	94	67	76
Evaluation	55	92	67	75
Induction	63	93	70	80
Deduction	58	92	66	74
Interpretation	59	100	71	80
Explanation	55	92	67	80
Numeracy	55	100	65	76

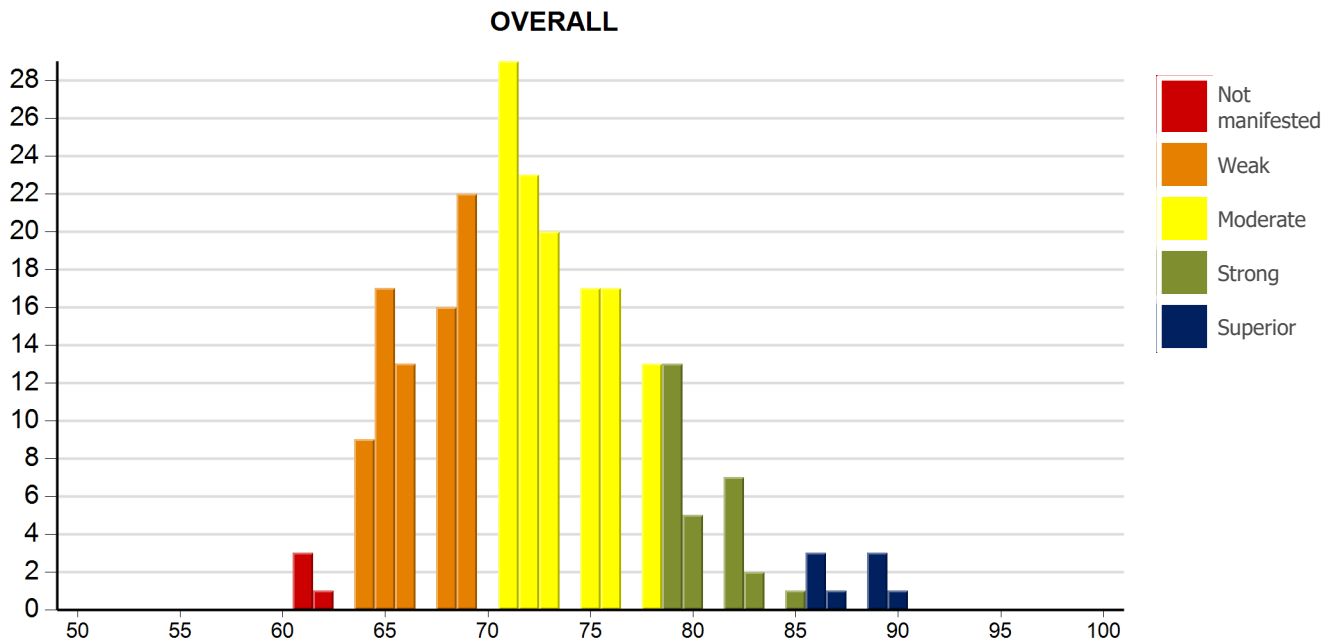
Based on the distribution of the overall score percentiles for the test takers in this group, as compared to an aggregate sample of CCTST Four Year College Students, the average percentile score of this group of test takers is 37.



Customer: TN Tech Univ - Acad Aff
Test/Survey: California Critical Thinking Skills Test plus Numeracy - 12.1.12
Report Date: 6/6/2018 10:27:56 AM

Descriptive Information: OVERALL

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
236	72.5	72.0	5.7	0.4	61	90	68.0	76.0



The Reasoning Skills Overall score describes overall strength in using reasoning to form reflective judgments about what to believe or what to do. High Overall scores are attained by test takers who excel in the sustained, focused and integrated application of core thinking skills measured on this test, including analysis, interpretation, inference, evaluation, explanation, induction and deduction. The Overall score predicts the capacity for success in educational or workplace settings which demand reasoned decision making and thoughtful problem solving.

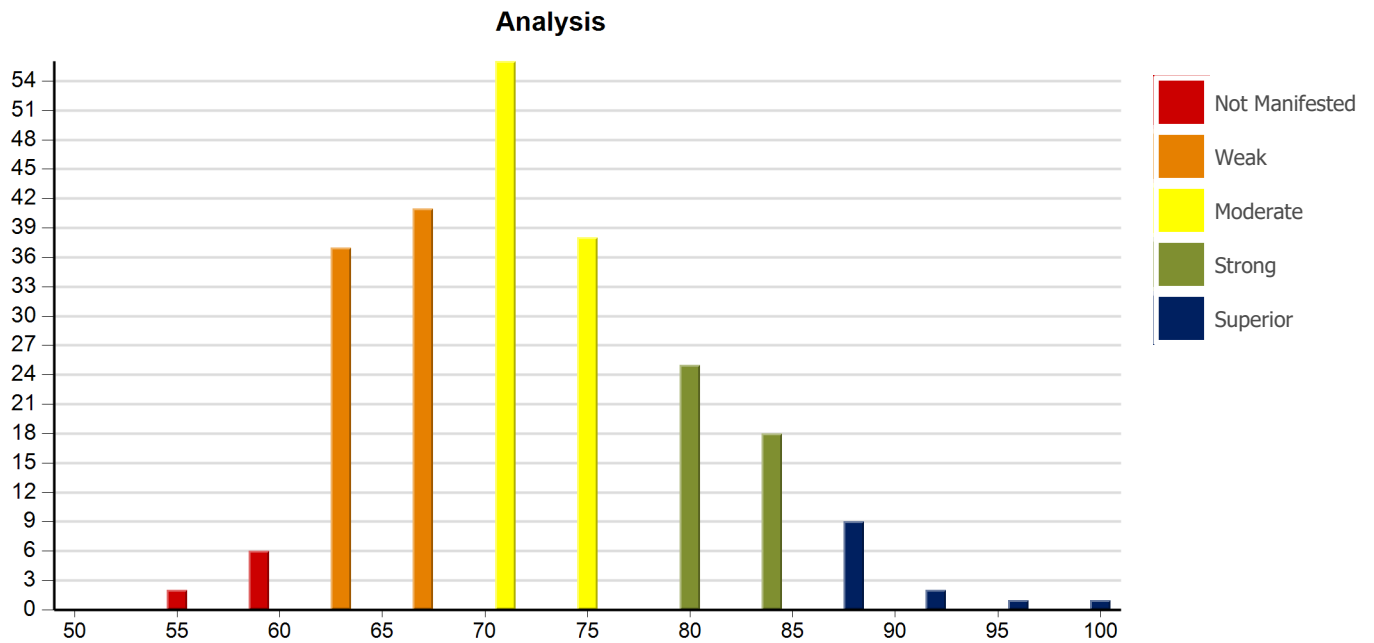
The descriptive information reported below indicates strengths and weaknesses in specific areas. These results are useful for understanding group characteristics, for comparing and contrasting similar groups on specific attributes or skills, and for guiding the development of more targeted educational or training programs.



Customer: TN Tech Univ - Acad Aff
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Descriptive Information: Analysis

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
236	72.3	71.0	7.9	0.5	55	100	67.0	75.0



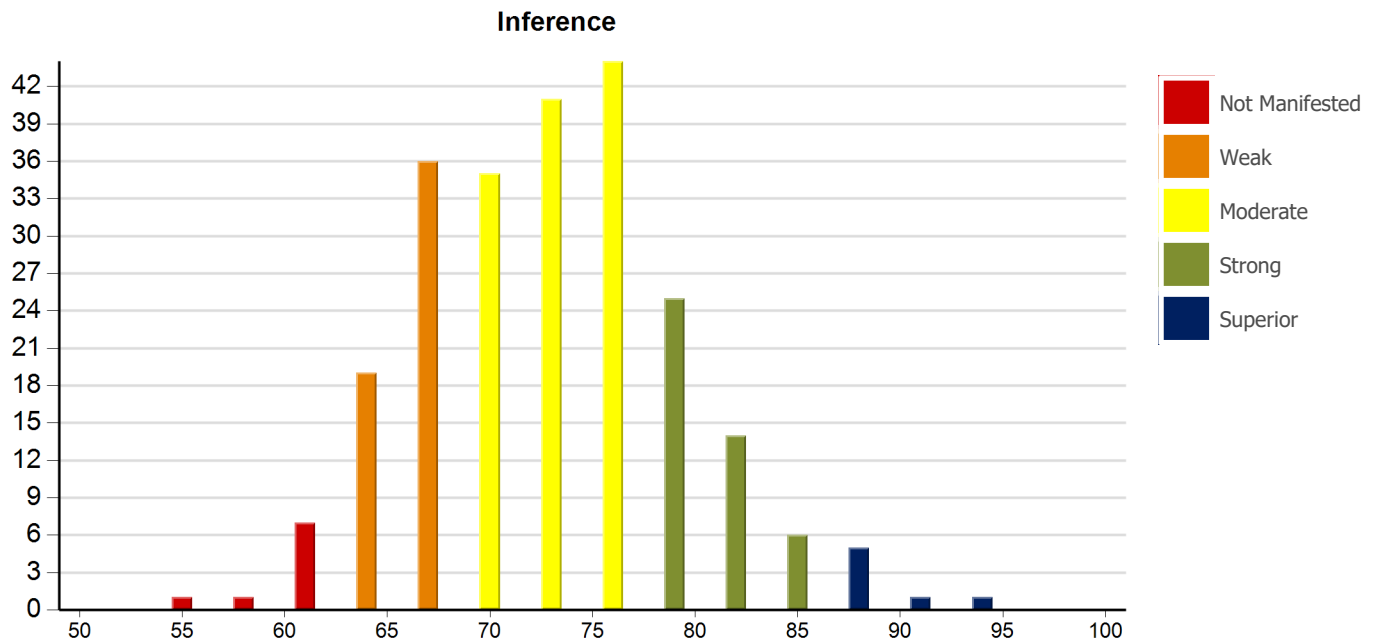
Analytical skills are used to identify assumptions, reasons, themes, and the evidence used in making arguments or offering explanations. Analytical skills enable us to consider all the key elements in any given situation, and to determine how those elements relate to one another. People with strong analytical skills notice important patterns and details. People use analysis to gather the most relevant information from spoken language, documents, signs, charts, graphs, and diagrams.



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Descriptive Information: Inference

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
236	72.9	73.0	6.5	0.4	55	94	67.0	76.0



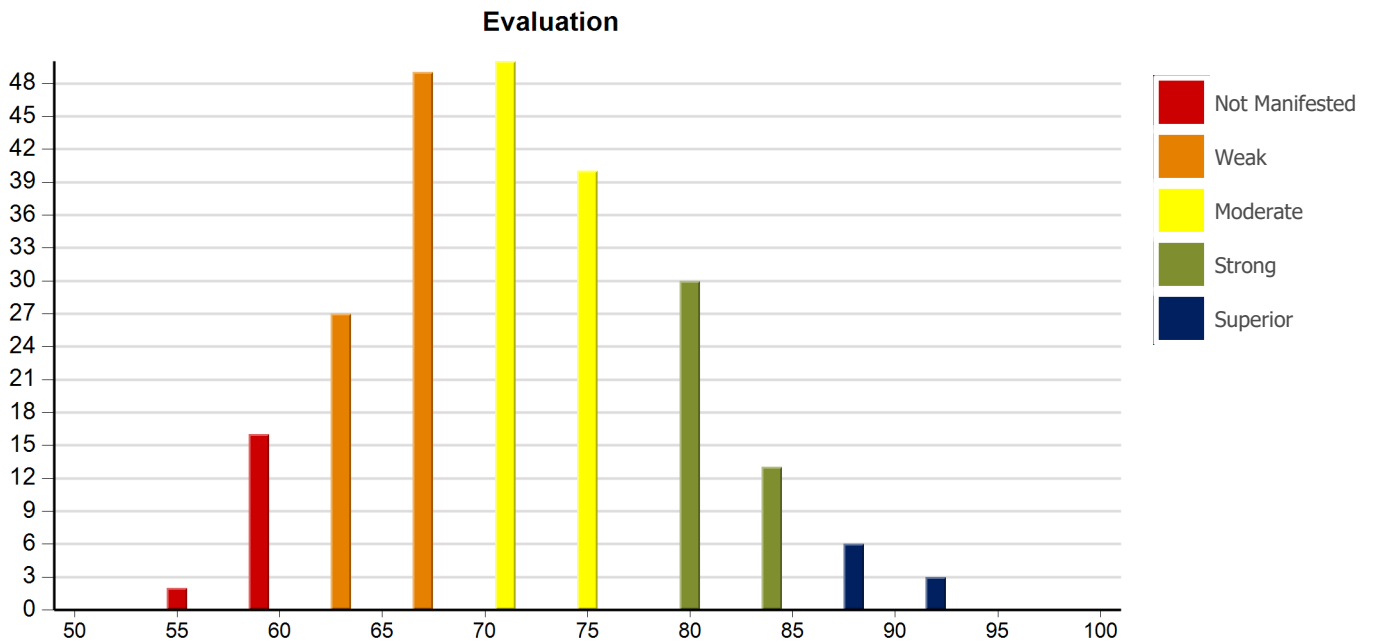
Inference skills enable us to draw conclusions from reasons, evidence, observations, experiences, or our values and beliefs. Using Inference, we can predict the most likely consequences of the options we may be considering. Inference enables us to see the logical consequences of the assumptions we may be making. Sound inferences rely on accurate information. People with strong inference skills draw logical or highly reliable conclusions using all forms of analogical, probabilistic, empirical, and mathematical reasoning.



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Descriptive Information: Evaluation

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
236	71.5	71.0	7.6	0.5	55	92	67.0	75.0



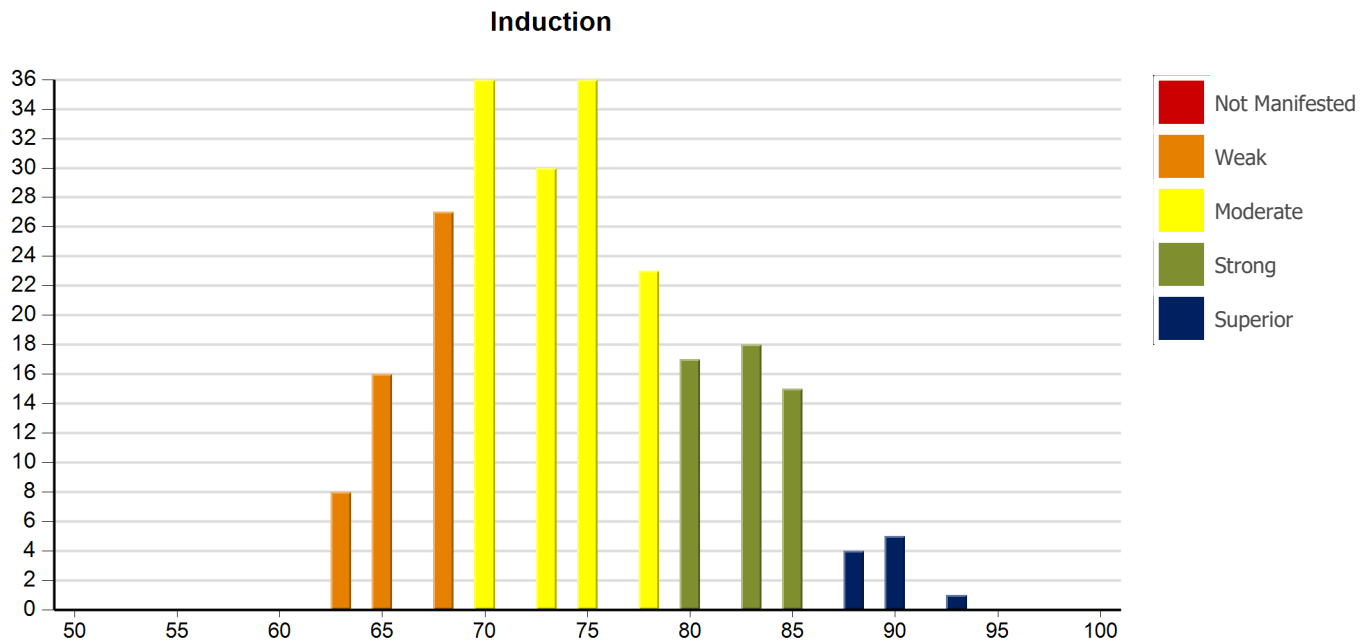
Evaluative skills are used to assess the credibility of the claims people make or post, and to assess the quality of the reasoning people display when they make arguments or give explanations. We can also apply our evaluation skills to assess the quality of many other elements that are important for good thinking, such as analyses, interpretations, explanations, inferences, options, opinions, beliefs, hypotheses, proposals, and decisions. People with strong evaluation skills can judge the quality of arguments and the credibility of speakers and writers.



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Test/Survey: California Critical Thinking Skills Test plus Numeracy - 12.1.12
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Descriptive Information: Induction

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
236	74.6	75.0	6.7	0.4	63	93	70.0	80.0



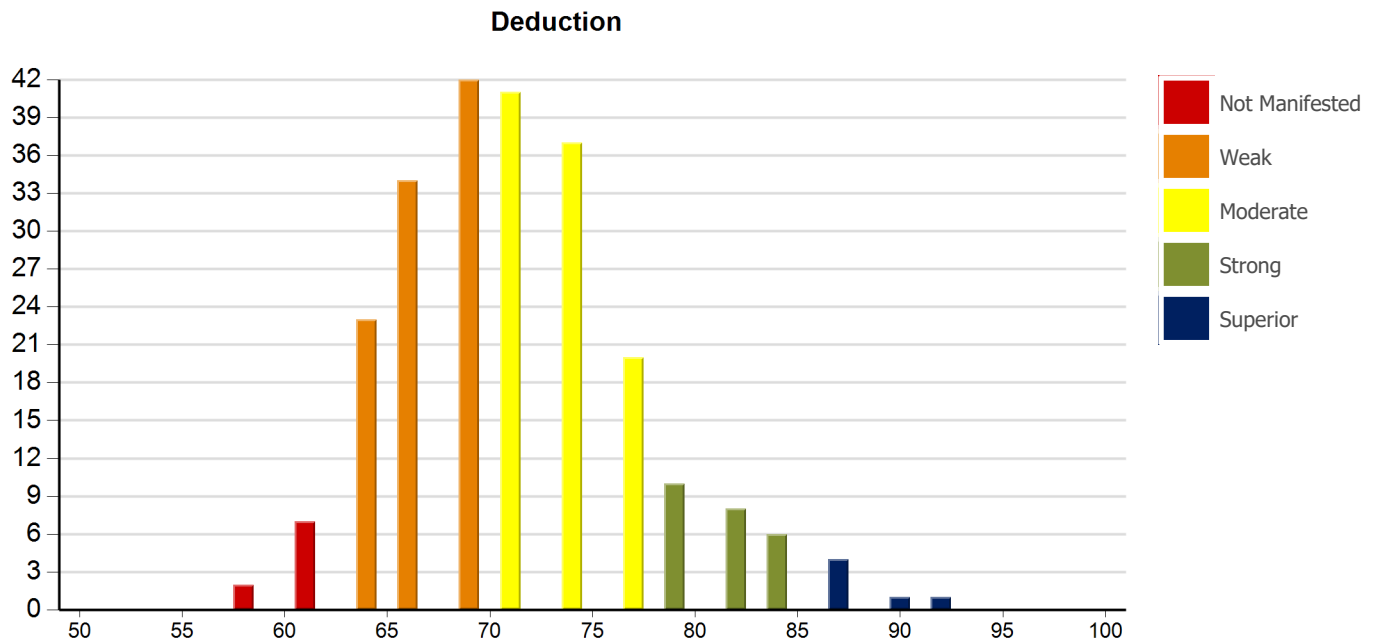
Inductive reasoning relies on estimating likely outcomes. Decision making in contexts of uncertainty relies on inductive reasoning. Inductive decisions can be based on analogies, case studies, prior experience, statistical analyses, simulations, hypotheticals, trusted testimony, and the patterns we may recognize in a set of events, experiences, symptoms or behaviors. Inductive reasoning always leaves open the possibility, however remote, that a highly probable conclusion might be mistaken. Although it does not yield certainty, inductive reasoning can provide a solid basis for confidence in our conclusions and a reasonable basis for action.



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Descriptive Information: Deduction

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
236	71.3	71.0	6.1	0.4	58	92	66.0	74.0



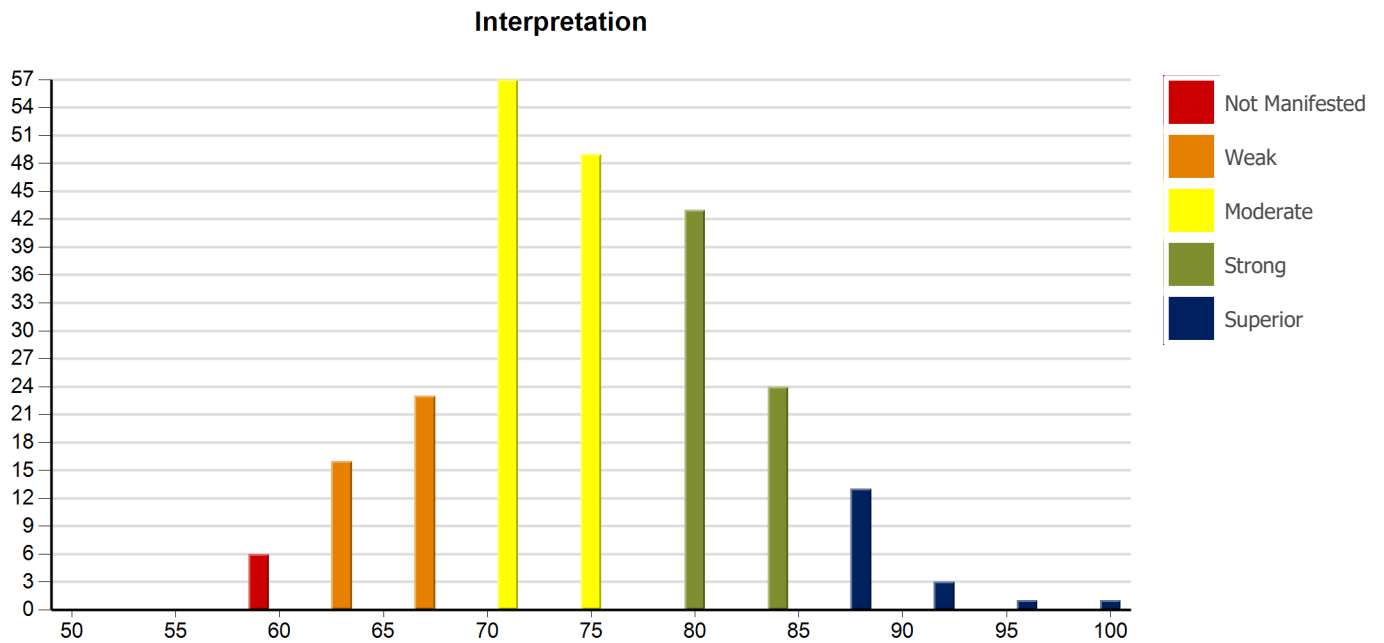
Deductive reasoning is rigorously logical and clear cut. Deductive skills are used whenever we determine the precise logical consequences of a given set of rules, conditions, beliefs, values, policies, principles, procedures, or terminology. Deductive reasoning is deciding what to believe or what to do in precisely defined contexts that rely on strict rules and logic. Deductive validity results in a conclusion which absolutely cannot be false, if the assumptions or premises from which we started all are true. Deductive validity leaves no room for uncertainty. That is, unless we decide to change the very meanings of our words or the grammar of our language.



Customer: TN Tech Univ - Acad Aff
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Descriptive Information: Interpretation

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
236	75.0	75.0	7.5	0.5	59	100	71.0	80.0



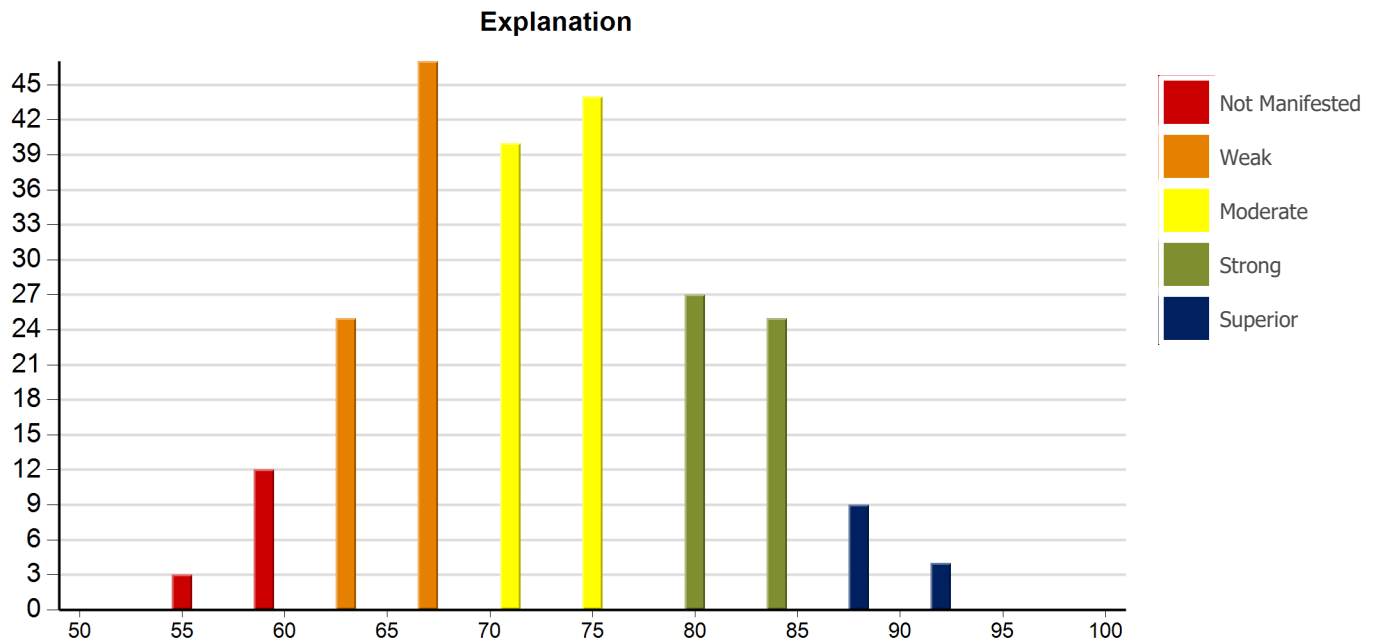
Interpretation is the process of discovering, determining, or assigning meaning. Interpretation skills can be applied to anything, e.g. written messages, charts, diagrams, maps, graphs, memes, and verbal and non-verbal exchanges. People apply their interpretive skills to behaviors, events, and social interactions when deciding what they think something means in a given context.



Customer: TN Tech Univ - Acad Aff
 Test/Survey: California Critical Thinking Skills Test plus Numeracy - 12.1.12
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Descriptive Information: Explanation

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
236	72.7	71.0	8.2	0.5	55	92	67.0	80.0



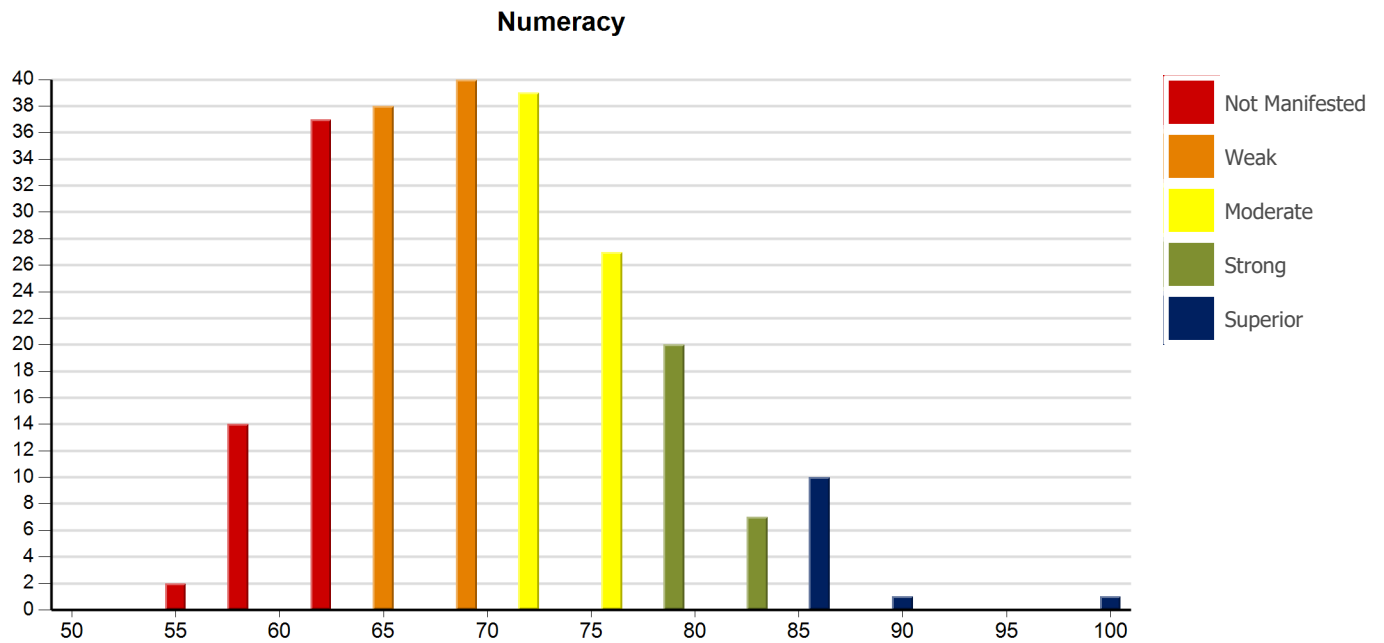
Explanation is the process of justifying what we have decided to do or what we have decided to believe. People with strong explanation skills provide the evidence, methods, and considerations they actually relied on when making their judgment. Explanations can include our assumptions, reasons, values, and beliefs. Strong explanations enable others to understand and to evaluate our decisions.



Customer: TN Tech Univ - Acad Aff
 Test/Survey: California Critical Thinking Skills Test plus Numeracy - 12.1.12
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Descriptive Information: Numeracy

N	Mean	Median	Standard Deviation	SE Mean	Minimum	Maximum	Quartile 1	Quartile 3
236	70.0	69.0	7.6	0.5	55	100	65.0	76.0



Numeracy refers to the ability to make judgments based on quantitative information in a variety of contexts. People with strong numeracy can describe how quantitative information is gathered, manipulated, and represented textually, verbally, and visually in graphs, charts, tables and diagrams. Numeracy requires all the core critical thinking skills. Numeracy includes being thoughtfully reflective while interpreting the meaning of information expressed in charts, graphs, or text formats, analyzing those elements, drawing accurate inferences from that information, and explaining and evaluating how those conclusions were reached.



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Assignment Number	Description
2	Business201810
1	Business Fall 2017