

Texas A&M University Core Curriculum

Empirical & Quantitative Skills Other Rubric

	Advanced 8	7	Competent 6	5	Developing 4	3	Beginner 2	1	Not Present 0
Presentation of Numerical Data/ Observable Facts	Synthesizes numerical data/observable facts with the specific problem/topic being investigated. Results are presented in a concise and efficient manner demonstrating a deep understanding of the problem/topic as a result of the data.		Connections between numerical data/observable facts to the problem/topic being investigated are explicit and appropriate. Results are organized and demonstrate a data-informed understanding of the problem/topic.		Connections between numerical data/observable facts to the problem/topic being investigated may be implicit. Results are loosely organized and demonstrate a simplistic understanding of the problem/topic.		Limited or ineffectual presentation of sufficient data/observable facts in order to make a connection to the problem/topic.		No results presented.
Analysis/Conclusions	Draws meaningful, independent conclusions based on numerical data/observable facts. Conclusions demonstrate a sophisticated understanding of the problem/topic.		Draws appropriate, independent conclusions based on numerical data/observable facts. Conclusions demonstrate a sufficient understanding of the problem/topic.		Presents independent conclusions based on numerical data/observable facts. Conclusions demonstrate a surface-level understanding of the problem/topic.		Presents limited or weak conclusions based on numerical data/observable facts. Conclusions may include obvious judgements about the problem/topic rather than drawing independent conclusion.		No attempt to draw conclusions.
Methods (This category is only applied when the student is generating their own data set.)	Methods (theories/principles underlying design, subjects, instruments, data collection, and analyses) are formed from a theoretical framework and are organized and described with sufficient clarity.		Methods (design, subjects, instruments, data collection, and analyses) are organized and described with sufficient clarity.		Methods (design, subjects, instruments, data collection, and analyses) are organized.		Missing or loosely organized methods used to describe research design, subjects, instruments, data collection, and analyses.		No methods presented.

Adapted from the TAMU-developed Social & Behavioral Sciences Empirical & Quantitative Skills Rubric (2014).

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