



ASSIGNMENT CHECKLIST EMPIRICAL & QUANTITATIVE SKILLS

Reflect upon the planned assessment/assignment to be used for CCA and review the elements of **Empirical & Quantitative Skills** expected of students to demonstrate competence as part of the assessment/assignment.

The following are examples of content and constructs related to the core learning objective of **Empirical & Quantitative Skills (Computational)** that are expected in the final artifact produced by students:

- Set up
 - Represented with some relationship to the problem
- Computation
 - Calculations include some errors
- Interpretation
 - Results are partially or incorrectly represented

The following are examples of content and constructs related to the core learning objective of **Empirical & Quantitative Skills (Other)** that are expected in the final artifact produced by students:

- Presentation of Numerical/Observable Facts
 - Connections between numerical data/observable facts to the problem/topic being investigated may be implicit
 - Results are generally organized and demonstrate a basic understanding of the problem/topic
- Analysis/Conclusions
 - Independent conclusions based on numerical data/observable facts are present and demonstrate a basic understanding of the problem/topic
- Methods*
 - Methods (design, subjects, instruments, data collection, and analyses) are organized

* Applicable only when original data set is generated.