



## Bethel's R.E.A.L. Experience Skills & Sample Artifacts

### Skill: Data Analysis, Interpretation & Application

#### Definition

An individual developing skills in the analysis, interpretation and application of data possesses an understanding of, and ability to create and analyze sophisticated arguments supported by evidence and clearly communicate those arguments in a variety of formats.

Association of American Colleges and Universities. (2009). *Inquiry and analysis VALUE Rubric*. Retrieved from <https://www.aacu.org/value/rubrics/inquiry-analysis>

#### Indicators

1. Able to work with qualitative and quantitative data
2. Able to understand and communicate data using words, images, tables, or graphs
3. Works with numbers and statistics
4. Analyzes data from a wide array of authentic contexts and everyday life situations
5. Knows practical and effective methods for retrieving desired data

#### Example

- For my Environment and Humanity class, I had to collect trash from campus trash and recycling bins, analyze the composition of the refuse and then I made recommendations to increase recycling across campus.
- As a TA, I graded both short and long answer essay questions, comparing student answers with correct answers and assigning value from content based on a rubric created by the professor.
- I participated in a focus group to help make Bethel a more welcoming place for people with disabilities. In so doing, I was able to appreciate the questions asked and the listening process that the facilitators took with my group.

**Want to see an example of how a real Bethel student developed skills in data analysis, interpretation & application? Check out this [video](#) of Christopher Bengston presenting his research on Forgiveness in the Face of Disagreement. Christopher used data to complete and present his research.**