

University Studies Quantitative Literacy

Score of 6 – Consistently does all or almost all of the following:

- demonstrates evidence of ability to conduct independent research and to integrate the results with other methodologies in original work
- comprehensively displays meaning of statistical significance, calculus, a comprehensive understanding of causality and correlation, applications of normal curves and outliers to physical and social phenomena and an integrated comprehension of linear regression

Score of 5 – Does most of the following:

- demonstrates evidence of ability to conduct independent research and to integrate the results with other methodologies in original work although not to the fullest extent possible
- meaning of statistical significance, a comprehensive understanding of causality and correlation, applications of normal curves and outliers to physical and social phenomena, and an integrated comprehension of linear regression is present but not fully displayed

Score of 4 – Does most of the following:

- contains assignments demonstrating evidence of an ability to read, understand, and critique books or articles that make use of quantitative reasoning, using descriptive statistics, understanding the meaning of statistical significance, and by displaying data using appropriate graphs and charts
- assignments are included in the portfolio as separate entities and quantitative reasoning is integrated into other work

Score of 3 – Does most or many of the following:

- demonstrates evidence of an ability to read, understand, and critique books or articles that make use of quantitative reasoning, using descriptive statistics (mean, median, mode), understanding the meaning of statistical significance, and by displaying data using appropriate graphs and charts
- alternatively, well-designed and appropriate quantitative reasoning assignments are included in the portfolio, but as separate entities

Score of 2 – Does most or many of the following:

- demonstrates evidence of limited ability to define, duplicate, label, list, recognize and reproduce mathematical and statistical elements
- displays limited or no evidence of meaningful application of these numerical concepts

Score of 1 – Consistently does all or almost all of the following:

- demonstrates no evidence of ability to evaluate mathematics and statistics, including no knowledge of basic descriptive statistics