

Lab Assignment: Risk Management

Background

Please complete these lab assignments on your own, in class, on the day of the lecture. Assignments are self-graded. Exam questions will be similar to assignment questions.

Statistics

Consider the following data set:

10.1 10.2 10.3 11.0 10.9 10.5 10.2 10.4 10.5 10.8 10.2 10.9

Compute the following:

- Mean
- Median
- Mode
- Standard Deviation

Do the work by hand without a calculator.

Risk Estimation

Consider the following table showing tasks in weeks:

Phase	W	A	B
Requirements	8	10	12
Design	12	13	14
Coding	10	12	18
Testing	4	6	8

Compute the following by hand without a calculator for each phase and the project as a whole:

- Triangular distribution
- Beta distribution

Now compute the following by hand without a calculator for the data points in the table:

- Mean
- Median
- Mode
- Standard deviation

After performing these calculations, identify the phase or phases presenting significant risk. Explain your choice or choices in your own words.