ISE 2211 Test One (Descriptive Statistics) Course Notes and Course Activities

Course Notes:

Calculate the Mean, Standard Deviation, and Variance for both a small population and a small sample data set.

Note:
  For Population Standard Deviation divide by n
  For Sample Standard Deviation divide by n-1

Define and determine the Median and Mode.

Course Activities:

The following activities will preferably be completed using MS Excel or a similar electronic spreadsheet.

  Calculate the Mean, Standard Deviation, Median, Mode of a larger data set.

  Create a frequency table and histogram and use the information to estimate probabilities and to approximate the data set Mean and Standard Deviation, Median, and Mode.

  Transpose a rectangular data set (m rows by n columns) into a single column of (m x n) rows data set.

 References:

 In-Class Example Data Table http://www.cs.wright.edu/~dkender/ise2211/randomdata.xlsx

 Example - Excel AVERAGE Formula http://www.cs.wright.edu/~dkender/ise2211/averagesexamples.xlsx

 ISE 2211 HW #1-B Data Table 6-2.docx http://www.cs.wright.edu/~dkender/ise2211/Table6-2.docx