

Project #1 Grading Rubric

- _____ 1. (10 points total) Worksheet responses including consistency with Excel spreadsheet results.
(Do your responses on the written worksheet reflect your results in your spreadsheet?)
- _____ a. (2 points) Most popular preferred color
 - _____ b. (2 points) How many students are Sophomores
 - _____ c. (2 points) Mean height of all versus average of female only and male only
 - _____ d. (2 points) Standard deviation of the heights of females
 - _____ e. (2 points) Coin flip distribution
- _____ 2. (30 points) *Completion* of all required tasks
(Do you have an attempt at each required item in its designated location in the spreadsheet?)
- _____ a. (2 points) Color frequency table
 - _____ b. (2 points) Bar chart
 - _____ c. (2 points) Class standing frequency table
 - _____ d. (2 points) Pie chart
 - _____ e. (2 points) Mean height
 - _____ f. (2 points) Five-number summary
 - _____ g. (2 points) Mean of female heights
 - _____ h. (2 points) Mean of male heights
 - _____ i. (2 points) Frequency table of female heights
 - _____ j. (2 points) Sample standard deviation of female heights from defining formula
 - _____ k. (2 points) Mean number of heads flipped
 - _____ l. (2 points) Standard deviation of the number of heads flipped
 - _____ m. (2 points) Chebyshev interval
 - _____ n. (2 points) Binned frequency table of the number of heads flipped
 - _____ o. (2 points) Ogive
- _____ 3. (30 points) *Correctness* of results and charts
(Did your work in the spreadsheets yield the correct results?)
- _____ a. (2 points) Color frequency table
 - _____ b. (2 points) Bar chart
 - _____ c. (2 points) Class standing frequency table
 - _____ d. (2 points) Pie chart
 - _____ e. (2 points) Mean height
 - _____ f. (2 points) Five-number summary
 - _____ g. (2 points) Mean of female heights
 - _____ h. (2 points) Mean of male heights
 - _____ i. (2 points) Frequency table of female heights
 - _____ j. (2 points) Sample standard deviation of female heights from defining formula
 - _____ k. (2 points) Mean number of heads flipped
 - _____ l. (2 points) Standard deviation of the number of heads flipped
 - _____ m. (2 points) Chebyshev interval
 - _____ n. (2 points) Binned frequency table of the number of heads flipped
 - _____ o. (2 points) Ogive
- _____ 4. (30 points) *Robustness* of formulas and charts
(If some of the data are changed, do your results adjust correctly?)
- _____ a. (2 points) Color frequency table
 - _____ b. (2 points) Bar chart
 - _____ c. (2 points) Class standing frequency table
 - _____ d. (2 points) Pie chart
 - _____ e. (2 points) Mean height
 - _____ f. (2 points) Five-number summary
 - _____ g. (2 points) Mean of female heights
 - _____ h. (2 points) Mean of male heights
 - _____ i. (2 points) Frequency table of female heights
 - _____ j. (2 points) Sample standard deviation of female heights from defining formula
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 - _____ n. (2 points) Binned frequency table of the number of heads flipped
 - _____ o. (2 points) Ogive