## MAT 135, Discussion Questions 2.08

1. How does the formula for a weighted average differ from the general formula for the arithmetic

weighted average = \(\frac{2}{\times}\); in multiply values by weights (or frequences) devide by Sum of weights.

2. How do we calculate a weighted mean in the calculator? Or the mean for grouped data?

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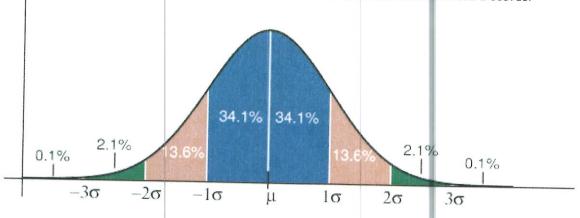
3. What is the coefficient of variation?

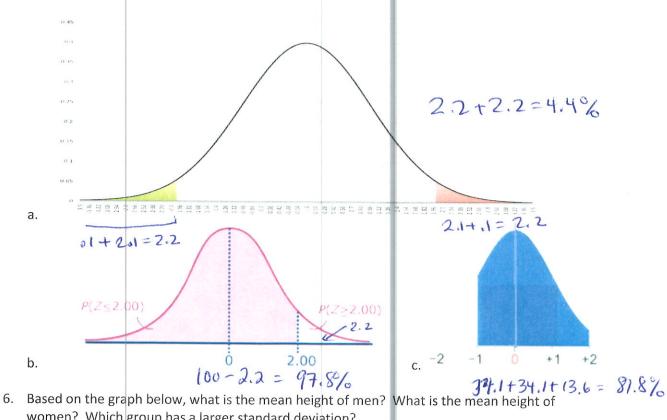
Cv = Th

4. Why is the coefficient of variation needed to compare data sets with different means and different standard deviations?

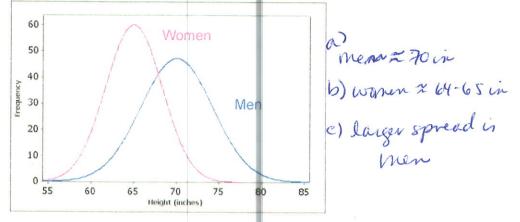
is unitless; allows us to compare the spread of a data set relative to the units its neasured in as a proportion

5. Using the Empirical Rule (a slightly more accurate version is shown on the graph below), find the percentages (area) under the distribution curve between the indicated z-scores.





women? Which group has a larger standard deviation?



7. Read the article at <a href="http://bigthink.com/ideafeed/how-we-learn">http://bigthink.com/ideafeed/how-we-learn</a> and the rest of the interview linked in the article. Can any of these strategies help you in this class?