

Coming Up in MAP4C

Quiz (Closed Book) – Tuesday, April 15

On Tuesday, you will need to be able to:

- Create questions requiring one-variable vs. two-variable analysis
- Draw a line of best fit for a scatter plot and
 - o Determine the equation **without** a graphing calculator
 - o Use your equation to find values
- Use your knowledge of Correlation Coefficients to
 - o Match r values with scatter plots
- Name and describe four common errors in data analysis. For each provide an example including a scatter plot and variables
- Calculate Percent change
- Calculate Per Capita values
- Calculate Percentiles
- Calculate Percentile Ranks
- Calculate Weighted Means
- Explain what a real value is
- Use indices to determine real values
- Determine the new value of an index given percent changes in its components

Survey – Due Thursday, April 17

Your survey needs to include

- An introduction (cover letter and consent form)
 - o Example: <http://www.surveymonkey.com/s/lums>
- 5 – 10 questions
- Questions that collect categorical, continuous and discrete data
- A variety of question types (see lesson)
- A **sampling plan**: explain how you will collect an unbiased sample of your target population

**Be sure to follow the principles of proper surveying (see lesson)

**You will be graded on the above components as well as your overall presentation.