

DAT-102: Intro to Data Analytics | Week 1 Stations | Name: _____

Please use the sections below which accompany their respective stations to record your insights, notes, and responses.

Station 1: Tabular data

1A) Which column did you add to the table? What data type did you choose to represent the data? Why?

Station 2: Primary data gathering

2A) Of the sample strip surveys, which do you feel is worded in a way that is MOST LIKELY to bias the respondent toward a certain viewpoint? Justify your choice.

2B) Revise your chosen strip survey from 2A by creating a less biased inquiry and justify your revision.

Station 3: Domain knowledge

3A) Summarize the findings of the article related to biased algorithms.

3B) How are the applications of data science different in these two studies?

3C) What standards of data reliability or integrity exist which might apply to one or both of these cases?

3D) Did you locate an article about a domain of your interest? Which one?

Station 4: Gapminder web!

4A) What outliers exist in the standard relationship between income and life expectancy? Why do they exist? How could the data be misinterpreted?

4B) What data sets would you like to see added to the GapMinder tool? What relationships might be interesting to explore?

Station 5: Final project review

5A) Which project concerns a topic that is in line with your own interests professionally? Why?

5B) Which project contains a graph that you found particularly easy to interpret? What made it so?

5C) Which project's data figure was NOT clear to understand? Why? Write a suggestion to this student for how to improve their display?

Station 6: Grading

6A) What values concerning class work and culture could you extract from reviewing the grade proposal cards from last term?

6B) What concerns do you have about this unusual approach to grading?

6C) If you know how, crunch some grade data from the master spreadsheet. How do average and median grades in DAT courses change through time? Use numbers to support your answer. Include any spreadsheet formulas which you used in your response.