**Problem Set 2**

**GSR – 79038**

**Due February 10, 2020**

Q1: What are some data types? Which one do you use the most? How is it different from other types of data? What do you most pay attention to when dealing with this type of data?

Q2: What are the stages that data goes through in your data analytics project?

Q3: How do you resolve some of the ethical issues and or challenges when you work with certain types of data for example social media data, or census data?

Q4: How do you make sure that other people in your data team use the same type of ethnical standard as you do?

Q5: Why do researchers have to care about ethical use of data in the age of big data?

Q6: In the case study *The* *Ethics of Using Hacked Data,* what do you think about the solution that the researchers adhered to, which was to abandon their research project?

Q7: In the following video, one can learn about Goodhart’s Law in data science: <https://www.youtube.com/watch?v=SwcK7NI_i98>

In your own words, explain what is Goodhart’s Law? Why would a researcher and/or a data analyst care about it? What are some implications of this law in your own work?

Q8: If you were to conduct a research about ethical use of data, what would be a potential research question?