Below please find three (3) questions, one per Urban and Regional Faculty presenter. You are asked to prepare a written response to each question that does not exceed 500 words in total (excluding restatement of the question itself). Your response to each question should be submitted as a separate report that clearly indicates your name, the course number, and the name of the respective Faculty.

1) Question from Dr. Aldstadt

Choose one health issue that you feel should be studied by geographers. Formulate a research question regarding that issue and choose the type of approach or approaches that would be best suited to addressing the research question. Justify your choice of methodologies and discuss the data necessary to carry out the research. The types of approaches should be selected from among the five outlined in Chapter 2 of Geographies of Health.

2) Question from Dr. Rogerson

Summarize how statistical analyses that use spatial data are different from statistical analyses that do not use spatial data. In your answer, you can rely on (a) the materials discussed in class, (b) Chapter 2 from the assigned reading (Haining’s chapter), and any other materials you wish to consult. Be sure to discuss the importance and nature of the assumption of independence, and the consequences that deviations from it have for statistical analyses.

3) Question from Dr. Metcalf

The famous adage, “All models are wrong; some are useful,” has been attributed both to statistician George Box and operations guru W. Edwards Deming. How can this be true? If all models are wrong, then what makes a model useful? Considering the range of conceptual, mathematical, and computational models that can be applied to urban and regional analysis, articulate your answer of what creates model utility in terms of a particular geographic research problem of your choice, and also explain how metaphor can inform model development.