

CSE 490C, Assignment 1, Due Wednesday, October 3, 2018

Part A: Pick three countries to become an “expert” on. Assignments will often require specializing questions to countries, so we would like you to identify the countries in advance so that you can acquire background on them. The countries should be relevant to the topic of the course, so choose low income or low middle income countries. For reference you can use the World Bank list of low or low middle income countries. If you want to choose India, select a low income state in India. Include some diversity in your selection of countries, e.g., don’t select all countries from the the same geographic areas.

For this part, all you need to do is to identify the countries and give a single sentence for each as to why you selected the country.

Part B: Write a summary of the main health challenges faced by your three countries using the Institute of Health Metrics and Evaluation (IHME) Data Visualization Tools. The GBD tool is the starting point - but there may be other visualizations that you want to explore. (<http://www.healthdata.org/results/data-visualizations>)

We expect you to spend about an hour exploring the relevant data visualizations. You may also look at how the health challenges have changed over recent years.

Write a paragraph for each of your three countries as well as a paragraph comparing how the countries burden of disease compares with a high income country. Include screen shots as necessary.

Part C: Conduct an assessment of mobile phone usage for each of your three countries.

Areas of investigation could include

- What are the major mobile network operators?
- How much of the country has cellular coverage?
- What percentage of the population has access to mobile phones?
- What types of handsets are in use?
- What is the market share of smart phones?
- How much is the cost of voice, sms and data?

Write a short report for each of your three countries, and also write a paragraph describing which information was easy or difficult to find, and your degree of confidence in your results.