IS 360 – Project 3

Project 3 is due before end of day on Thursday, April 2nd*. You may work in a small group on the project. This is a more complex project, so please make sure that you understand and deliver on each of the project deliverables.*

We'll look together at some of the most interesting student solutions in our first office hours after Spring recess, on Wednesday April 15th.

Your task is to create an Excel Pivot table (or an interactive report of your choice using Google Sheets or another alternative spreadsheet) that shows rates of tuberculosis infection by country.

You'll use the tb database that you restored last week. Also, the attached `population.csv` has populations by country for the years where tb cases have been reported. You'll need to load the `population.csv` file into a newly created table in your tb database. You should create a new .CSV file that has the following columns:

```
Country, Year, Rate
```

Where Rate is defined as Cases/Population.

[HINT: You'll need to aggregate your cases across sexes and age groups, then join information in the `tb` table and the newly created `population` table; you may need to also consider how to handle NULL (missing values) in your tables].

Once you've created your .CSV file, you should create an interesting Pivot Table in Excel.

Your deliverables:

1. Your SQL code to create the `population` table and load from CSV file,
2. Your SQL code that performs any aggregations, joins, and CSV file creation
3. A screen shot of your pivot table report

To receive full credit, you'll need to provide each of the above deliverables.

The course projects are each worth 100 points, so please start early, and do work that you would want to include in a "presentations portfolio" that you might share in a job interview with a potential employer! There is also a new forum on the Discussion board just for Project 3 discussion. You are encouraged to share thoughts, ask, and answer clarifying questions in this forum.