README!

File structure is as follows:

- Monte-Carlo

Code and Dependencies: CSV Files and R code for population generation

Output CSVs: Generated population (household and individuals) in .csv format

Population plots: Visual aid of population demographics

- Database

Group11.sql: Final database SQL

ERD.png: ER Diagram image

- Disease Spread

Simulation: All files needed to run disease spread simulation. (DiseaseSpread.R is the main executable .R file)

SIR GIFs: 36 .gif of SIR model animations, one per case

EconomicAnalysis.R: Uses .rda files from simulation to compile the output statistics into a data frame

- Decision Tree

PNG Files: 36 .png of decision trees, one per case

DecisionTree.R: Decision tree algorithm that receives .rda files from simulation to use for machine learning

- Website Files

Website: All html, js, css, images used in the www folder of the career account

EconomicImpacts.csv: csv file of EconomicAnalaysis.R for economic impacts displayed on website

Thank you,

Group 11

Disease Solutions