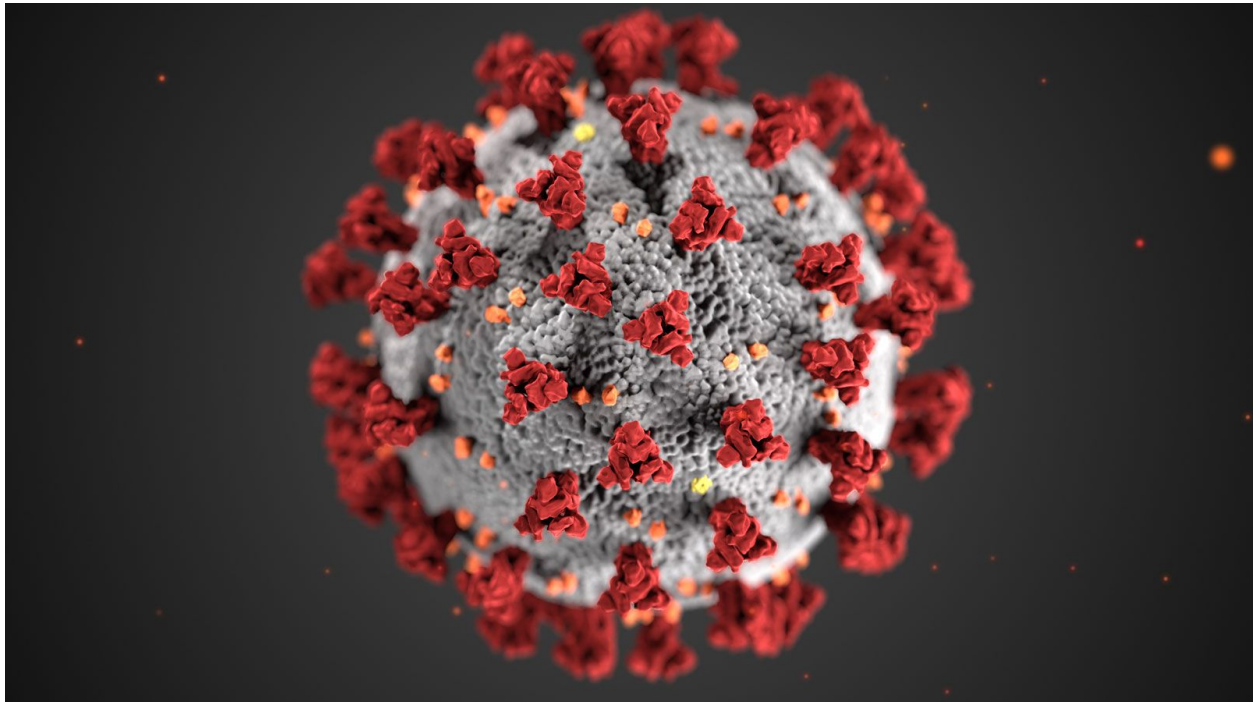Jacob Neiheisel
Professor Posada
CIS 162 – Computer Science I – Section 09
09 December 2020

COVID-19 – 2020 Pandemic with Big Data

 I pledge that this work is entirely mine, and mine alone (except for any code provided by my instructor). I spent 5 hours 47 minutes on this project from November 9 to December 9 reading the book, designing a solution, writing code, fixing errors, and putting together this document.

Top window — BlueJ: Project3

Classes: CovidDatabaseJUnit «unit test», CovidEntryJUnit «unit test», CovidDatabase, CovidEntry, CovidDatabaseGUI, CovidDatabaseTest

BlueJ: Terminal Window - Project3

Options

```
Testing starts
Testing ends
```

Can only enter input while your programming is running

Bottom window — BlueJ: Project3

Classes: CovidDatabaseJUnit «unit test», CovidEntryJUnit «unit test», CovidEntry, CovidDatabaseTe...

BlueJ: Test Results

✔ CovidDatabaseJUnit.testSafeToOpen
✔ CovidDatabaseJUnit.testReadFileAndCounts
✔ CovidDatabaseJUnit.testStatistics
✔ CovidDatabaseJUnit.testPeakDailyDeathsInvalidParameters
✔ CovidDatabaseJUnit.testPeakDailyDeaths
✔ CovidDatabaseJUnit.testTopTen
✔ CovidDatabaseJUnit.testMinInfections
✔ CovidDatabaseJUnit.testConstructor

Runs: 8/8   ✗ Errors:0   ✗ Failures:0   Total Time: 1122ms

Show Source   Close

File

Results

Parameters

This database currently has this many records:
10,346
This many deaths have occured from COVID-19 (Sars CoV-2) as of last database update:
196,696
This many infections have occured from COVID-19 (Sars CoV-2) as of last database update:
7,032,090
Here is the state with the most total deaths in this database:
NY

Month

Day

State

Peak Daily Deaths

Top Ten

Safe to Open

Minimum Daily Infections

Minimum

Search for anything

4:41 PM
12/9/2020