Assignment 5: Modeling COVID-19

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Exercise 1

```
days_range <- 1:250
```

Exercise 2

```
susceptible <- 300000000
infectious <- 1
recovered <- 0</pre>
```

Exercise 3

Exercise 4

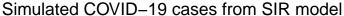
```
library(tibble)

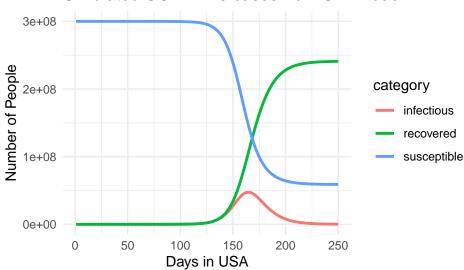
covid_sim <- tibble(
  day = days_range,
  susceptible = susceptible,
  infectious = infectious,</pre>
```

```
recovered = recovered
)
```

Exercise 5

```
## Warning: Using 'size' aesthetic for lines was deprecated in ggplot2 3.4.0.
## i Please use 'linewidth' instead.
## This warning is displayed once every 8 hours.
## Call 'lifecycle::last_lifecycle_warnings()' to see where this warning was
## generated.
```





Exercise 6

Exercise 7

Exercise 8

Academic Integrity statement