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Submitted to: Dr. Paul Bamberg

I have done the very first steps of setting up a website to get statistical data of Covid 19. The data is being read from a CSV file for now but I will an integrate an API that provides a real time update of streaming data. Users can filter what happened between two dates in a given country and do overall comparisons of which countries are doing better per population size. This will to an even bigger statistical analysis like considering the demographics of those who recovered versus those who had serious problems and death. The analysis will also retrieve post Covid data if it had any lasting consequences after recovery.

I am a candidate for ALM in Software Engineering at the Extension School and this project brought together my skills in front end development and data analysis which I am currently trying to get into

Topics from the course thus far that I incorporated and will incorporate into the app

- Plotting – ggplot
- Dataframes and how to manipulate them
- Vectors
- Reading from CSV files
- Responsive web design and bootstrap grid
- Grouping by and filtering operations
- Dynamic rendering
- RShiny components
- Outer
- Functions
- Local/global scopes

URL - https://tofikmussa.shinyapps.io/covid-graphs/