TSModel

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```r
# Library Import
library(tidyverse)
library(forecast)
```

```r
# Data Import
covid <- read_csv("C:/Users/Yiling Yang/Desktop/school_work/Project/COVIDforecast/data/data-yqfdF.csv")
```

Introduction

This is a personal project aimming to forecast the future daily confirmed cases of COVID-19 based on historical data from 3/15/2020 to 7/15/2020. The Project consists of two parts: 1) Forecast with Time Seris Model, ARMA, ARIMA, ARCH, and GARCH, and 2) forecast with LSTM neural network. The LSTM neural network part will be done in Python. This markdown is particular for the first part.

Exploratory Data Analysis