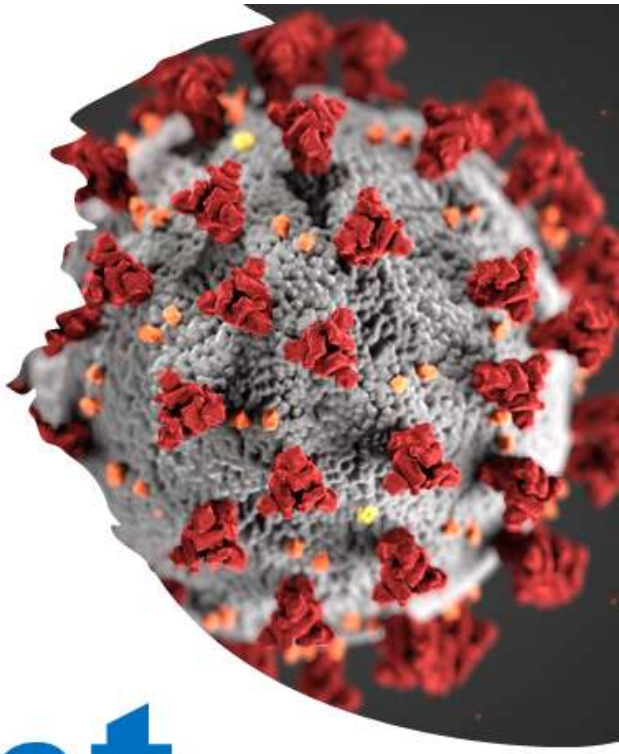
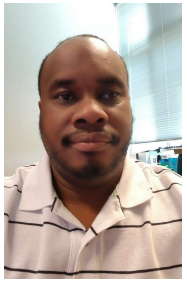






# Valiant Vaccinators

# Meet the team!



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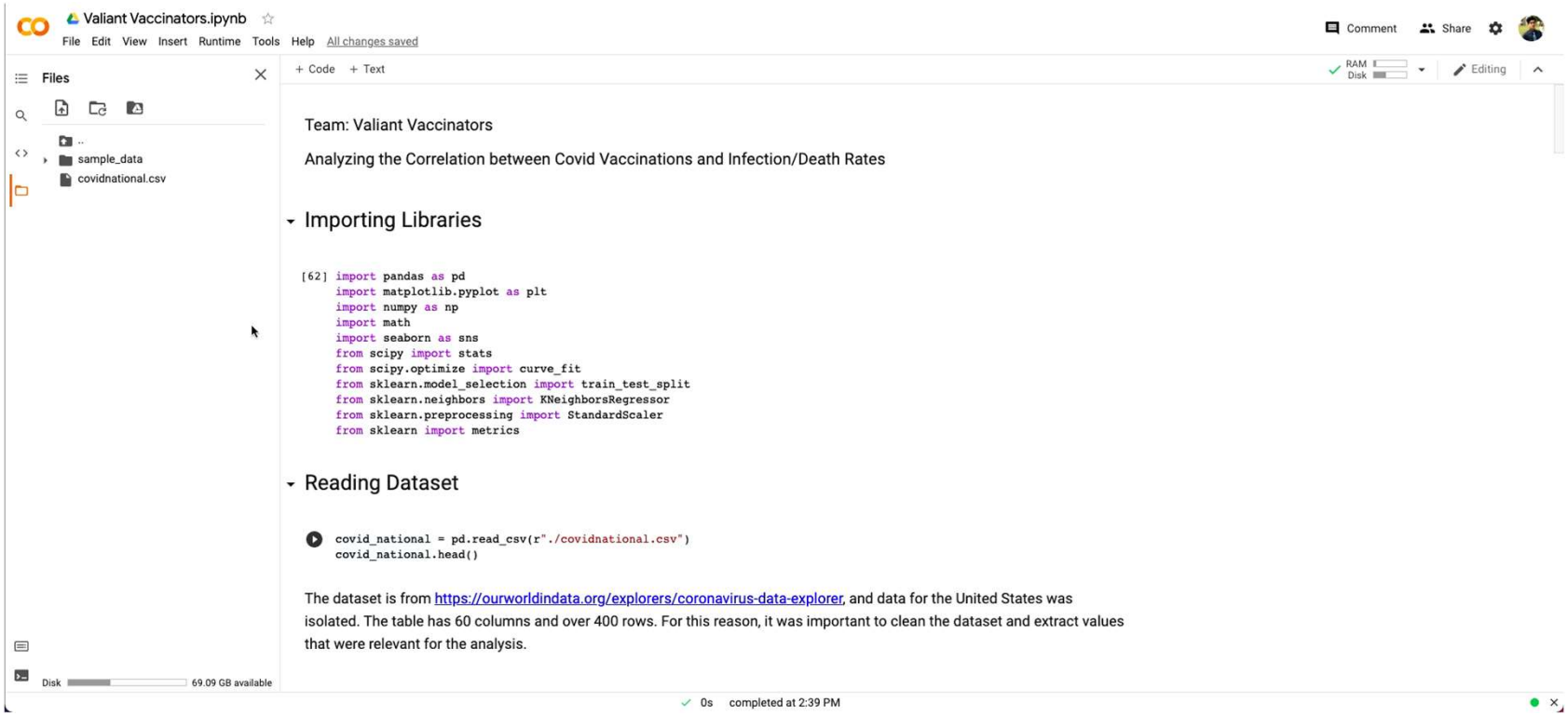
# Goal

- To explore the correlation between Covid-19 vaccination and death rates in the United States
  - Identify,modify, and filter datasets
  - Set up Jupyter Notebook
  - Group our filtered data
  - Create a cleaned dataframe
  - Return error values for graphs/data to see how strong the correlation is between the data

# Demo


Valiant Vaccinators.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
+ Code + Text
RAM
Disk
Editing
..
sample_data
covidnational.csv
Team: Valiant Vaccinators
Analyzing the Correlation between Covid Vaccinations and Infection/Death Rates
Importing Libraries
[62] import pandas as pd
import matplotlib.pyplot as plt
import numpy as np
import math
import seaborn as sns
from scipy import stats
from scipy.optimize import curve_fit
from sklearn.model_selection import train_test_split
from sklearn.neighbors import KNeighborsRegressor
from sklearn.preprocessing import StandardScaler
from sklearn import metrics
Reading Dataset
covid_national = pd.read_csv(r"./covidnational.csv")
covid_national.head()
The dataset is from https://ourworldindata.org/explorers/coronavirus-data-explorer, and data for the United States was isolated. The table has 60 columns and over 400 rows. For this reason, it was important to clean the dataset and extract values that were relevant for the analysis.
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