My code (Haridas Das):

1. haridas_monkey_pox_data_analysis.ipynb code is used for all python analysis for Kaggle data engineering, Spatial analysis; A few Classifier: k-nearest neighbors (KNN), Decision tree classifier(DTC), Random Forest Classifier(RFC), Sup- port Vector Machine(SVM), and Logistic Regression Clas- sifier(LOGREG). Time series analysis: Historical daily and weekly data analysis, (ARIMA)
2. monkeypox_df.csv is the Kaggle data is used in the Python code
3. MonkepoxSirFittingCombined.m fitting the SIR model that includes the ode45 Matlab command for SIR simulation.
4. time_series_df.csv is used in the Matlab code
5. eulsys.m function is for the Euler method's code for solving any first order system
6. eulmodsys.m function is for the Modified Euler method's code for solving any first order system
7. rk4sys.m function is for the Runge kutta method of order 4 method's code for solving any first order system
8. model_1.m function is defined the SIR model used in the MonkepoxSirFittingCombined.m function
9. SIR_Monkeypox_Euler_Meuler_RK4_odeff.m is the test function ccobnsidered all four methods Euler, Modified Euler, RK4, and ode45(mixed of 4th and 5th order rk4)

Rahaman's Code:

10. Forecasting_on_7_day_rolling_average_data.ipynb by Rahaman
11. 11. Forecasting_on_daily_data.ipynb by rahaman

s

All codes are prepared by myself: Haridas Das