Usecase 9

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So we defined data science as: It's the process of asking interesting questions, and then answering those questions using data.

For any **Data project** we will go through these steps:
1. Defining the Problem Statement
2. Collecting Data
3. Data Quality Checking and Remediation
4. Exploratory Data Analysis
5. Building Machine Learning Models
6. Model Evaluation
7. Communicating Results
8. Model Deployment
9. Model Performance Maintenance in Production

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Step 1: Defining the Problem Statement

In 2020, the outbreak of COVID-19 led to widespread shutdowns across the globe. During this period, the daily tally of active cases dominated news headlines. Numerous data scientists engaged in efforts to forecast the trajectory of the case numbers.

Step 2: Collecting Data

Collected data from Kaggle for cases over the world

Step 3: Data Quality Checking and Remediation

To do in the notebook

Step 4: Exploratory Data Analysis

To do in the notebook

Step 5: Building Machine Learning Models

To do in the notebook.

Step 6: Model Evaluation

To do in the notebook

Step 7: Communicating Results

To do in the notebook

Step 8: Model Deployment

Optional

Step 9 : Model Performance Maintenance in Production

Not applicable