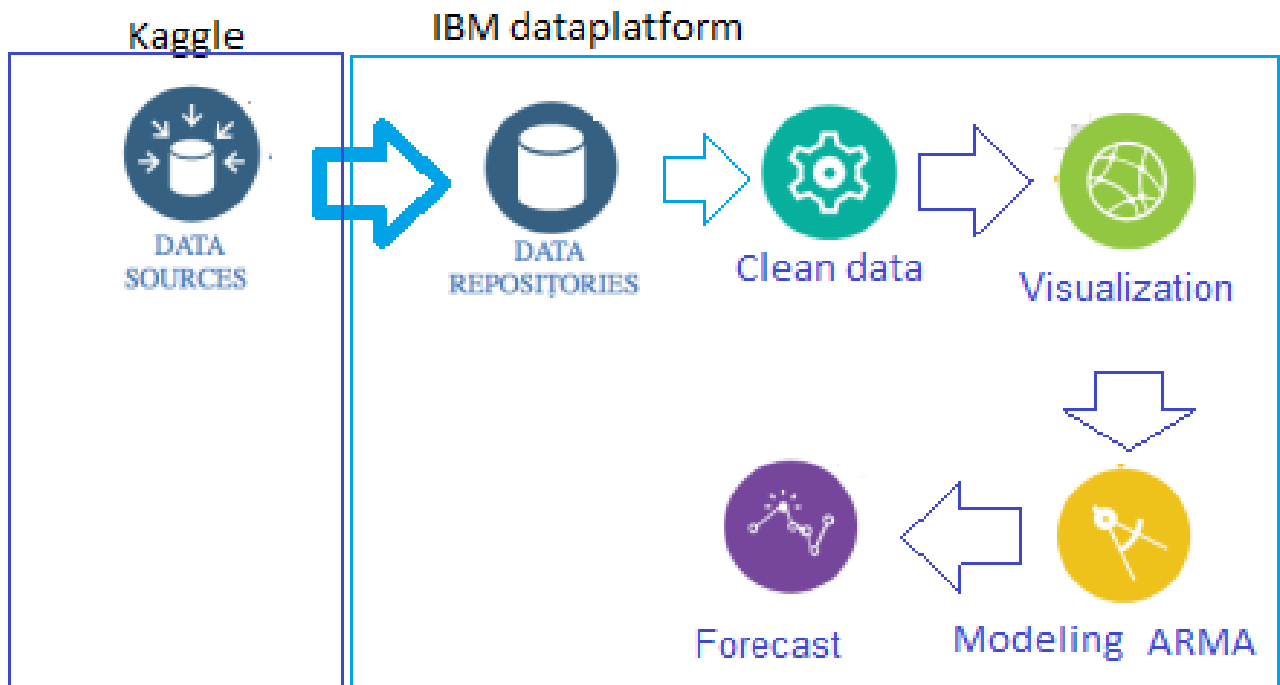


# Project : Visualizations, modeling and forecasting COVID-19 active case with ARMA model

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## Architectural Decisions Document

### 1. Architectural Components Overview



### 2. Introduction

### 3. Data Source

#### 2.1. Input data

The data was downloaded from Kaggle

<https://www.kaggle.com/c/covid19-global-forecasting-week-4/data>

#### 2.2. Clean data

Check and fix data

### 4. Data Exploration

View data and field from data set

### 5. Data Visualization

Use plotly Library to visualization covid 2019 series with active case, Confirm case, death case

## **6.Modeling ARMA**

process model and architectural decisions document is essential in data science projects

## **7.Performance evaluation of series and parallelstrategies for financial time series forecasting.**

Use Arma model to predict trend covid active case