The Autoregressive Integrated Moving Average (ARIMA) model is used to analyze and forecast time series data. It's a statistical algorithm that uses past data to predict future values. ARIMA is one of the most widely used approaches to time series forecasting. It's a valuable tool for data scientists. ARIMA It accounts for patterns of growth or decline in the data. It accounts for the rate of change of the growth or decline in the data.It accounts for noise between consecutive time points