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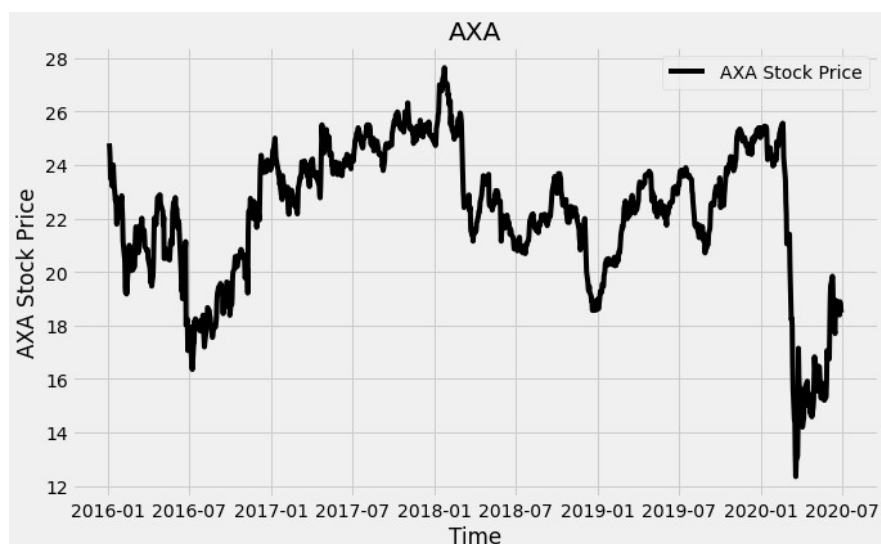


**Axa S.A. (styled as AXA) is a French multinational insurance firm headquartered in the 8th arrondissement of Paris that engages in global insurance, investment management, and other financial services.**

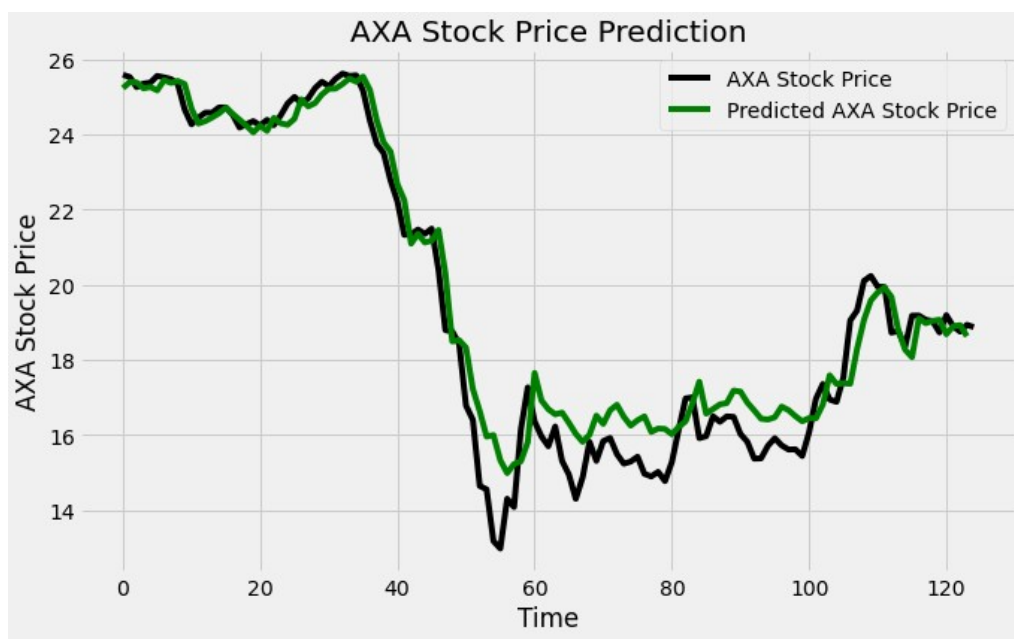
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The stock data is obtained from Paris Stock Exchange and LSTM and ARIMA is implemented to predict the impact of covid on the stock.

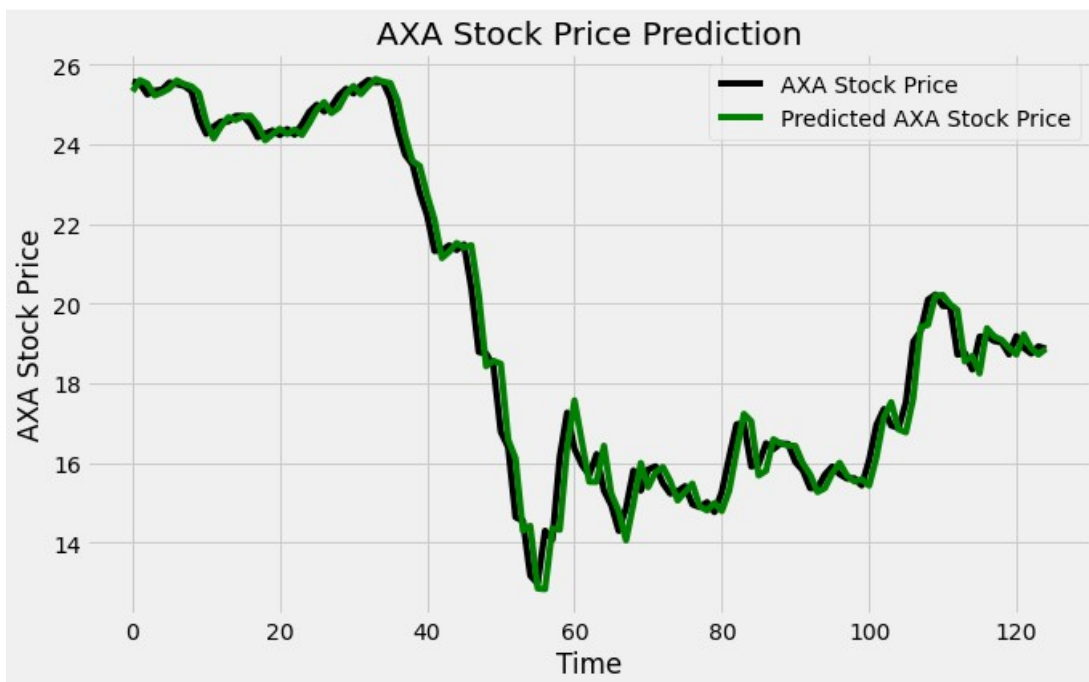
### **AXA STOCK FROM 2016 TO JUNE, 2020**



### **IMPLEMENTATION OF LSTM ON PREDICTION OF AXA STOCK**



## IMPLEMENTATION OF ARIMA ON PREDICTION OF AXA STOCK



Clearly, ARIMA Models performs a better prediction. We can see how the stock hit a low during this time period of 4 years during the covid duration. The predicted value of the stock during the covid time period is clearly overestimated but due to an extraordinary situation, the stock value went down.