**W11 – Stock Prophet Deployment (1)**

| **Criteria** |
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| **Execute Programming Code Assignment**  Complete Tasks 1- 5 in the Stock Prophet Deployment Notebook |
| **Algorithm Understanding**  How does the Prophet Algorithm differ from an LSTM? Why does an LSTM have poor performance against ARIMA and Profit for Time Series? |
| **Interview Readiness**  **What is exponential smoothing and why is it used in Time Series Forecasting?** |
| **Interview Readiness**  **What is stationarity? What is seasonality? Why Is Stationarity Important in Time Series Forecasting?**  . |
| **Interview Readiness**  **How is seasonality different from cyclicality? Fill in the blanks:   \_\_\_ is predictable, whereas \_\_\_ is not.**  . |