Week 2 Lab Practice - OL

Due Jan 26 by 11:59pm   **Points** 15   **Submitting** a file upload
Available until Jan 26 at 11:59pm

This assignment was locked Jan 26 at 11:59pm.

- Follow python example code (**Python_TimeSeries_updated.pdf** ⤓
  (https://canvas.okstate.edu/courses/120227/files/13459279/download?download_frd=1)) and use provided
  data set (**BTC-USD.csv** ⤓ (https://canvas.okstate.edu/courses/120227/files/13455843/download?
  download_frd=1))
- Create PowerPoint slides to include:
  - Graphs and charts created by code
  - Briefly discuss the questions and provide back-up information from your brief analysis
    - What does the plot look like with training, validation and predicted data?
    - Does the RMSE improve if you change the dates of the split?
    - Stretch question – Does an ARIMA model improve over the ARMA
- Submit to Canvas by deadline

Helpful link - **https://builtin.com/data-science/time-series-forecasting-python**
(https://builtin.com/data-science/time-series-forecasting-python)

Data source - **https://finance.yahoo.com/quote/BTC-USD/history?**
period1=1514764800&period2=1642550400&interval=1d&filter=history&frequency=1d&includeAdjus
  (https://finance.yahoo.com/quote/BTC-USD/history?
period1=1514764800&period2=1642550400&interval=1d&filter=history&frequency=1d&includeAdjustedClose=t