**Mehul Raj**

**Verzeo Data Science September Batch**

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**Verzeo Mini Project**

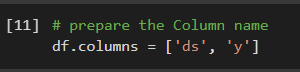
**Problem Statement:**

Predict the number of passengers in the airline using time series analysis.

Using the Model used Fbprophet.

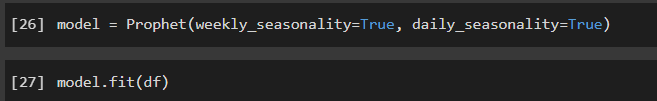
**Working:**

1. The working starts with changing the names of columns and data type for month (or ds) column.

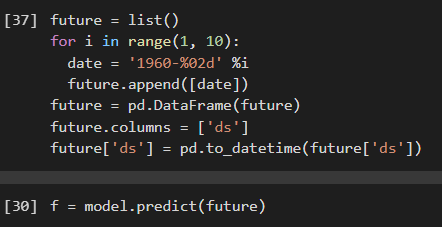
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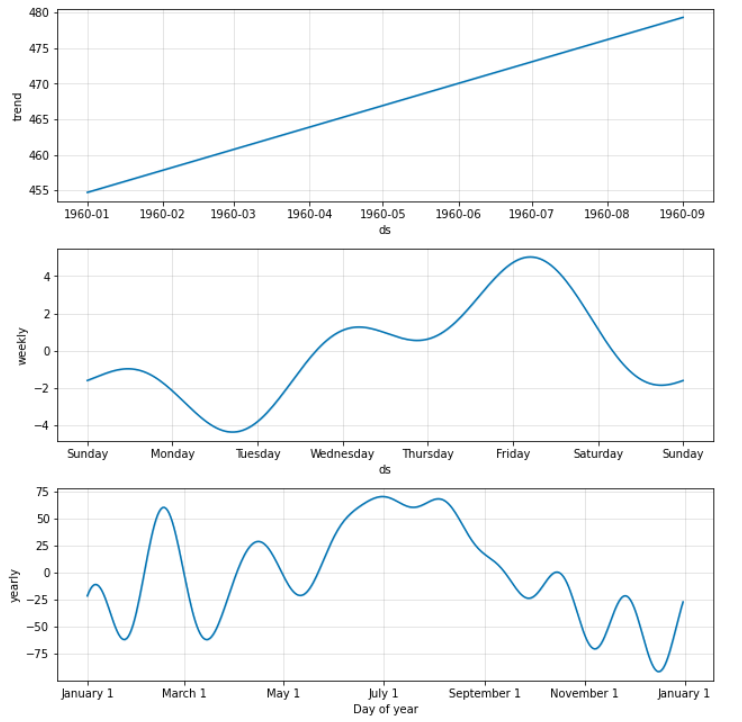
1. Modelling using fbprophet model to fit the dataset.

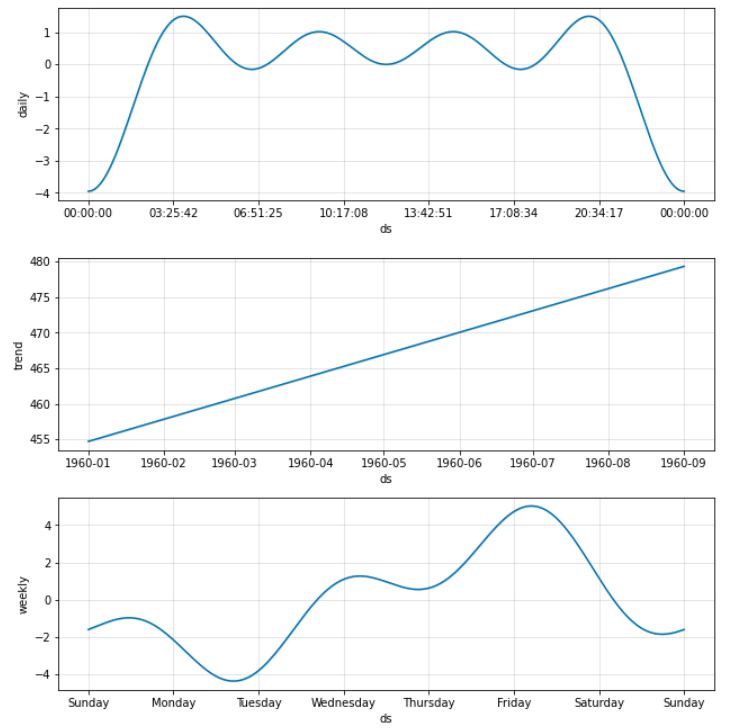
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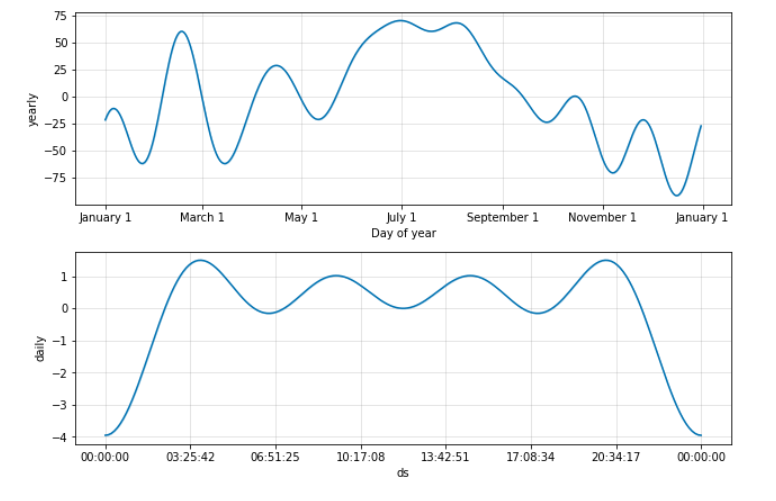
1. Model Predicton using future dataframe that has been developed seeing the last date on Main dataset and making some test dataset.

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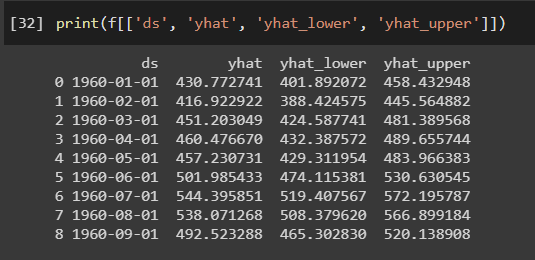
1. Plotting the components for evaluation:

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1. Finally, seeing the model predicted results:

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**GitHub URL:**

<https://github.com/mehulraj19/Verzeo-Mini-Project>