PROJECT

Forecasting Sales

A part of the Business Analyst Nanodegree Program

PROJECT REVIEW

ANNOTATIONS 1

NOTES

Meets Specifications

Excellent! Thank you for all the hard work! Congratulations and keep up the great work! 🎉

Plan Your Analysis

> The section is written clearly and is concise. The section is written in less than 250 words.

> All following questions have been answered:
>
> 1. Does the dataset meet the criteria of a time series dataset? Make sure to explore all four key characteristics of a time series data.
> 2. Which records should be used as the holdout sample?

Determine Trend, Seasonal, and Error Components

> The section is written clearly and is concise. The section is written in less than 250 words.

Build Your Models

> The section is written clearly and is concise. The section is written in less than 500 words.

> All following questions have been answered:
>
> 1. What are the model terms for ETS? Explain why you chose those terms.
> 2. Describe the in-sample errors. Use at least RMSE and MASE when examining results

> All following questions have been answered:
>
> 1. What are the model terms for ARIMA? Explain why you chose those terms. Graph the Auto-Correlation Function (ACF) and Partial Autocorrelation Function Plots (PACF) for the time series and seasonal component and use these graphs to justify choosing your model terms.
> 2. Describe the in-sample errors. Use at least RMSE and MASE when examining results
> 3. Regraph ACF and PACF for both the Time Series and Seasonal Difference and include these graphs in your answer

Forecast

> The section is written clearly and is concise. The section is written in less than 250 words.

> All following questions have been answered:
>
> 1. Which model did you choose? Justify your answer by showing: in-sample error measurements and forecast error measurements against the holdout sample.
> 2. What is the forecast for the next four periods? Graph the results using 95% and 80% confidence intervals.

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