UDACITY

< Return to "Business Analyst" in the classroom

Combining Predictive Techniques

REVIEW

HISTORY

Requires Changes

1 SPECIFICATION REQUIRES CHANGES

Great work in the very first attempt! You need to make a small change and then your work would be best! I wish you good luck with your next submission :)

Overall

The write up is written clearly, in complete sentences, and without major typos.

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Several visualizations are included. All visualizations are clearly labeled and help answer the related questions.

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Task 1

Accurately identifies the correct number of formats and provides justification using the Adjusted Rand and CH indices.

Great work! You have identified the optimal store format and well justified

Identifies the correct number of stores that fall into each store format.

Well done! The number of stores for each format is absolutely correct!

Provides one observation about the differences among clusters, and uses the results of the clusters to provide justification.

Well done! The observation looks interesting and well laid out

Includes a map that shows the location of the stores, uses color to show cluster, and size to show total sales. A legend is used for both color and size.

Great work! The map looks good with the proper legend

Task 2

States the type of classification model used and adequately justifies the choice using at least one model comparison method.

Awesome! You have identified the best model and well justified!

Includes a table that correctly identifies the format for each of the 10 new stores.

Well done! The table looks good and stores are well segmented

Task 3

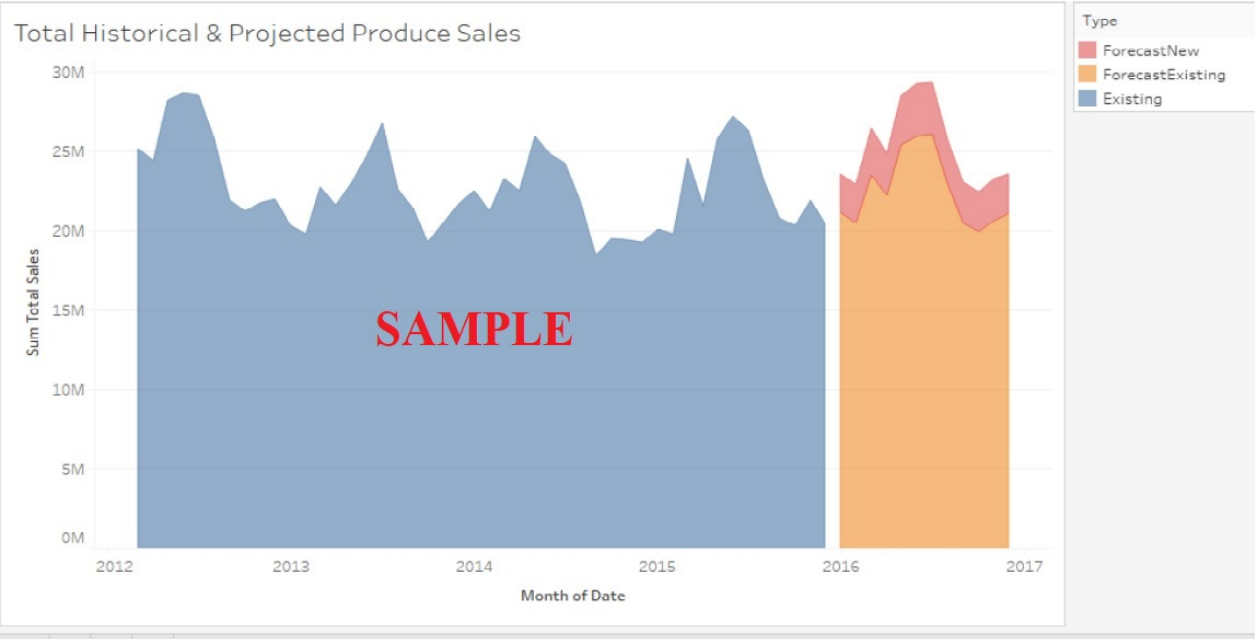
A table with the correct 12 month forecasts for existing and new stores is provided. A visualization of your

forecasts that includes historical data, existing stores forecasts, and new stores forecasts is provided.

Great work so far! The forecast for existing and new stores forecast is well in the range.

The visualization looks good! Suggestion: It would be great if the visualization of your forecasts is well segmented into historical data, existing store forecasts, and new store forecasts!

Sample visualization:



Identifies the best ETS or ARIMA model to use, and justifies the decision by showing forecast error measurements against the holdout sample.

Great work so far! Indeed ETS(MNM) is the best model and you have justified its notation using the decomposition plot.

REQUIRED: You need to justify the selection of ETS over ARIMA using the accuracy measures! In your current submission, you are showing the in-sample errors, which are just the training errors. Also, you cannot compare the AIC from an ETS model with the AIC from an ARIMA model.

Further reading:
https://robjhyndman.com/hyndsight/aic/

Accuracy measures:

Accuracy Measures:

Model	ME	RMSE	MAE	MPE	MAPE	MASE	NA
ETS							
ARIMA							

RESUBMIT

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RETURN TO PATH