File Descriptions and Data Field Information

train.csv

- Training data, which includes the target unit_sales by date, store_nbr, and item nbr and a unique id to label rows.
- The target unit_sales can be integer (e.g., a bag of chips) or float (e.g., 1.5 kg of cheese).
- Negative values of unit sales represent returns of that particular item.
- The onpromotion column tells whether that item_nbr was on promotion for a specified date and store nbr.
- Approximately 16% of the onpromotion values in this file are NaN.
- NOTE: The training data does not include rows for items that had zero unit_sales for a store/date combination. There is no information as to whether or not the item was in stock for the store on the date, and teams will need to decide the best way to handle that situation. Also, there are a small prober of items seen in the training lata that aren't seen in the test data.

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- Test data, with the date, store_nbr, item_nbr combinations that are to be predicted, along with the oppromotion information.
- NOTE: The test date has what tumbe of the training data. Part of the exercise will be to predict a new item sales based on similar products...
- The public / private leaderboard split is based on time. All items in the public split are also included in the private split.

sample_submission.csv

- · A sample submission file in the correct format.
- It is highly recommend you zip your submission file before uploading!

stores.csv

- Store metadata, including city, state, type, and cluster.
- cluster is a grouping of similar stores.

items.csv

Item metadata, including family, class, and perishable.

 NOTE: Items marked as perishable have a score weight of 1.25; otherwise, the weight is 1.0.

transactions.csv

• The count of sales transactions for each date, store_nbr combination. Only included for the training data timeframe.

oil.csv

 Daily oil price. Includes values during both the train and test data timeframe. (Ecuador is an oil-dependent country and it's economical health is highly vulnerable to shocks in oil prices.)

holidays_events.csv

- · Holidays and Events, with metadata
- NOTE: Pay special attention to the transferred column. A holiday that is that Sferred (and Mills on transferred day). Notes noted to another date by the government. A transferred day is more like a normal day than a holiday. To find the day that it was actually celebrated, look for the corresponding row where type is transferred from 20-12-10-09 to 2012-10-12, which means it was celebrated on 2012-10-12. Days that are type Bridge are extra days that are added to a holiday (e.g., to extend the break acress a large weekend). These are frequently hade up by the type Work Day which is a day not normally scheduled for work (e.g., Saturday) that is meant to payback the Bridge.
- Additional holidays are days added a regular calendar holiday, for example, as typically happens around Christmas (making Christmas Eve a holiday).

Additional Notes

- Wages in the public sector are paid every two weeks on the 15 th and on the last day of the month. Supermarket sales could be affected by this.
- A magnitude 7.8 earthquake struck Ecuador on April 16, 2016. People rallied in relief
 efforts donating water and other first need products which greatly affected supermarket
 sales for several weeks after the earthquake.