

Data Description

The main data for this competition is in the train.csv and test.csv files. These files contain information on what items users clicked on after making a search.

Each line of train.csv describes a user's click on a single item. It contains the following fields:

- user: A user ID
- sku: The stock-keeping unit (item) that the user clicked on
- category: The category the sku belongs to
- query: The search terms that the user entered
- · click_time: Time the sku was clicked on
- query_time: Time the query was run

test.csv contains all of the same fields as train.csv except for sku. It is your job to estimate which sku's were clicked on in these test queries.

Due to the internal structure of BestBuy's databases, there is no guarantee that the user clicks resulted from a search with the given query. What we do know is that the user made a query at query_time, and then, at click_time, they clicked on the sku, but we don't know that the click came from the search results. The click_time is never more than five minutes after the query_time.

In addition, there is information about products, product categories, and product reviews in product_data.tar.gz.

We have also provided a sample benchmark submission and the code that produces it. popular_skus.py is a simple python script that finds the most popular skus in each product category, and then estimates that a user clicked on one of the five most popular skus in their product category. This script produces the benchmark in popular_skus.csv.

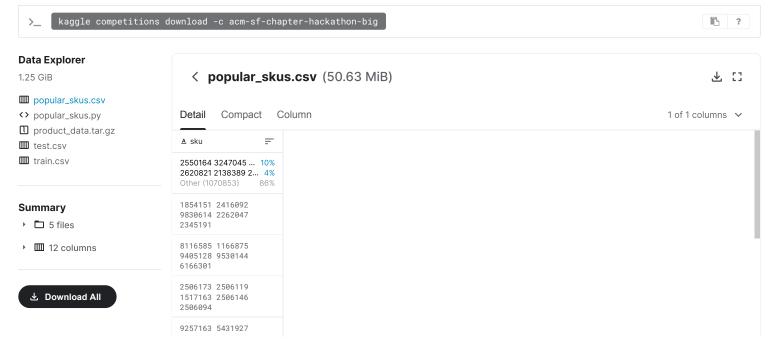
The syntax of a submission should be the same as that in popular_skus.csv: A file with the header "sku", and each of the following lines containing the space-delimited estimates of the clicked sku that resulted after the queries in test.csv, and in the same order.

Product Data Dictionary

https://bbyopen.com/documentation/products-api/product-attributes#TableProdRefInfo

For more BestBuy Data and APIs, check out https://bbyopen.com/

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