

I posted queries for each of the scenarios, with some modifications to get meaningful results:

What are the top 5 brands by receipts scanned for most recent month?

How does the ranking of the top 5 brands by receipts scanned for the recent month compare to the ranking for the previous month?

The script created for these questions is '*query-brand-receipts-report-month.txt*'.

The last scanned date in the receipt table is '2021-03-01'.

I interpreted 'most recent month' as 'most recent calendar month', which would have been February 2021. Most receipt items in Feb 2021 had no entry for 'brand_code'.

I created the script with a variable for report_month and set it to January 2021 (most recent month with useful brand data). Since there was not much data for December 2020, I did not try to compare January 2021 to the prior month.

When considering average spend from receipts with 'rewardsReceiptStatus' of 'Accepted' or 'Rejected', which is greater?

When considering total number of items purchased from receipts with 'rewardsReceiptStatus' of 'Accepted' or 'Rejected', which is greater?

The script created for these questions is '*query-by-reward-receipt-status.txt*'.

There is no status 'Accepted'. The status 'Submitted' had null receipt totals.

The table I created lists average spend and total items purchased by status.

I created separate 'distinct item count' and 'purchased item quantity' fields. The latter seems to indicate the number of different items, while the former seems to indicate total quantity. This would require further evaluation and data validation.

Which brand has the most *spend* among users who were created within the past 6 months?

Which brand has the most *transactions* among users who were created within the past 6 months?

I used the max receipt date (2021-03-01) as the last date in the 6 month range for user creation.

I created a table with total spend, total transactions (receipts), and distinct user count by brand code.

Brand code is a sparsely populated field. I excluded receipt items with no brand code.