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

**Solution:**

select Brand\_id,barcode,name,Receipt\_id,dateScanned,(purchasedItemCount)

from df\_Final\_BrandReceUser

where monthScanned = 1.0 and yearScanned = 2021.0 and topBrand!='FALSE'

LIMIT 5

**Brand Names:**

Test brand @1612366101024

StarBucks

Test brand @1612366146176

Test brand @1612366146051

Test brand @1612366146827

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

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

**Solution:**

SQL query below for RewardReceiptStatus ‘Rejected’

select AVG(totalSpent) as totalSpent

from Receipts

where rewardsReceiptStatus = 'FINISHED' or ‘ACCEPTED’ = $80.25

SQL query below for RewardReceiptStatus ‘Rejected’

select AVG(totalSpent) as totalSpent

from Receipts

where rewardsReceiptStatus = 'REJECTED' = $23.32

Average Spend from receipts with ‘rewardReceiptStatus’ of ‘Accepted’ = $80.85

Average Spend from receipts with ‘rewardReceiptStatus’ of ‘Rejected’ = $23.32

Average spend of RewardReceiptStatus ‘Accepted’ is greater than the rewardReceiptStatus which is ‘Rejected’.

• When considering *total number of items purchased* from receipts with 'rewardsReceiptStatus’ of ‘Accepted’ or ‘Rejected’, which is greater.

**Solution:**

SQL query below for RewardReceiptStatus ‘Rejected’

select COUNT(purchasedItemCount)

from Receipts

where rewardsReceiptStatus = 'FINISHED' or ‘ACCEPTED’ = 518

SQL query below for RewardReceiptStatus ‘Rejected’

select COUNT(purchasedItemCount)

from Receipts

where rewardsReceiptStatus = ‘REJECTED’ = 71

Total number of items purchased from receipts with ‘rewardReceiptStatus’ of ‘Accepted’ = 518

Total number of items purchased from receipts with ‘rewardReceiptStatus’ of ‘Rejected’ = 71

Average spend of RewardReceiptStatus ‘Accepted’ is greater than the rewardReceiptStatus which is ‘Rejected’.

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

**Solution:**

select brand\_id,barcode,name,UserId,max(totalSpent),CreateDate

from df\_Final\_BrandReceUser

where Createdate <= date('2021-01-03','start of month','2 Year') AND Createdate < date('2021-01-03','start of month')

**Brand Name - Good Seasons**

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

**Solution:**

select brand\_id,barcode,name,UserId,count(purchasedItemCount),CreateDate

from df\_Final\_BrandReceUser

where Createdate >= date('2021-01-03','start of month','-6 months') AND Createdate < date('2021-01-03','start of month')

Solution:

**Brand Name - Country Crock**