

4/28/23,18:00PM Mail-Kathy Fogel -Outlook
Preliminary Data Analysis-Fetch Rewards

Kathy Fogel <KFogel@clarku.edu>4/28/23,18:00PM
To: Kathy Fogel <KFogel@clarku.edu>

Dear Kathy,

I wanted to update you on the preliminary data analysis of the Receipts ,Item,Brands &Users dataset that I performed using pgAdmin4 . Here's a summary of my findings:

- Users dataset contains duplication.
- All 3 datasets have numerous null values.
- There is inconsistency between Receipts and Brands&Users, as some users found in
- Receipts are not present in the Users dataset.
- You can find a detailed report on my shared github repository. However, before conducting a complete data analysis, we need to confirm some information:

We need to clarify the information contained within the Rewards Receipt Item List.

- We may need to clarify the data imputation logic for the entire dataset.
- The business logic behind reward generation also requires clarification.
- We kindly request your help to arrange knowledge transfer sessions for the above-mentioned points. It's essential to fix all the data inconsistencies before migrating to production to ensure that data analysis queries work seamlessly.

Thank you for your support.

Best regards,

Team 3

(QiWang, Tianqing Yu, Xiaoyu Yu, and Ningxi Gao)