## Hello Team!

While setting up for an analysis on the receipts, brands, and users data, I identified a small issue with in all the tables but specifically in the receipts table.

## **Problem Identified:**

Multiple columns such as the points earned column have rows with null values, essentially just an empty space. This will not affect the current problem I am solving, since none of the data I am working with have empty spaces, but this may become a problem in the future. For example, there are 1,119 rows in the receipts table, in the points earned column there are 609 rows that contain values but there 575 rows that are empty, almost half of the data.

## **Future Implications:**

Missing values could affect calculations done in the future and any machine learning we might want to implement (which I would be happy to explain further if you would like), but a new operating norm could fix this inconsistency in values such as inputting a zero or using a new table with receipts that resulted in points.

## Follow-up Needed:

I would like to know why these values are missing before we can move ahead with a solution. Do you know who I could contact on your team that could help me?

Best,

Gaelan