

Technical Assignment for Data Analytics & Solutions

ASSIGNMENT - 2

We need you to solve these 3 questions on your understanding of Data Analytics and Visualization.

[TABLEAU] Create a plot to analyse the trend of Transaction Value and Number of Transactions for the year of 2016 for each category we have performed business. Give at-least a pattern you can draw and support it with your understanding of nearbuy.

([Link](#) to access Tableau)

[PLOTING LIBRARY]

Create a plot to show the nature of relationship between two variables (Number of Transactions & GR) for each category in R/Python(use any library for plotting).

Draw a pattern for at least one of the categories.

[DATA MANUPLATION] Given the following data set perform the specific operation(dplyr library in R/pandas in python):

1. Return the field customer_id, Transactions
2. Rename the columns customer_id to user_id
3. What is the mean of GR for category FNB
4. Return the customer_id/user_id where category = GTW & TransactionValue >0
5. Which category has maximum number of purchases(HINT: Transactions)
6. Plot the GR for SNS month on month

PS: Use the attached data set for all your problems

Things you should know about the data set:

Field Name: **GR:** Gross Revenue | **category_id:** business category

Category ID	Name
GTW	Travel
HNL	Hobbies & Learning
SNM	Spa & Massages
LOS	Home & Auto Services
MVE	Movies & Events

ACT	Activities
BNS	Beauty & Salon
HEA	Health
FIT	Fitness
FNB	Food & Beverages
LOR	In-store Retail
SNS	Spa & Salon
HNF	Health & Fitness
TTD	Things To Do

If you are facing an issue, write to Dasassignment@nearbuy.com

Thanks,
Nearbuy Team