

SAS Practice Questions:

Given Two Data Sets Transactions and Demographics, Analyze the following:

DATA Understanding:

1. Apply the data checks on the two files (computing the number of observations, variables, missing values etc.)
2. Calculate the initial summaries for the transactions at two levels:
 - a. Overall transaction summary (Total spends, Total accounts, Products, etc.)
 - b. Summary per account (Metrics such as "Spend per accounts", "distinct products per account", "frequency", "latency")
3. Create the demographic profile of the data (Gender Profile, Age Profile, children per household)

Analysis:

1. Calculate the average spends of:
 - a. Male accounts over Female accounts
 - b. Accounts with age >55 to accounts with age <30
2. Create a list of premium accounts using the logic:
"Any account with total spending more than the 75th Percentile of male account spends"

NOTE: For age calculations use the column age_year