Data preprocessing:

A white background with black dots

Description automatically generatedA white background with text

Description automatically generatedA white background with orange text

Description automatically generated

Task 1:

list of clients with a continuous history for the year, that is, every month on a regular basis without omissions for the specified annual period, the average receipt for the period from 06/01/2015 to 06/01/2016, the average amount of purchases per month, the number of all transactions per client for the period.

A computer screen shot of a computer code

Description automatically generated

A screenshot of a computer

Description automatically generated

Task 2:

Information by month:

The average amount of the check per month;A white background with black and white clouds

Description automatically generatedA screenshot of a computer

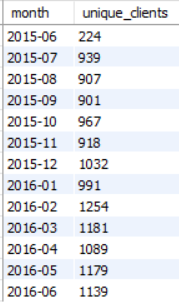
Description automatically generated

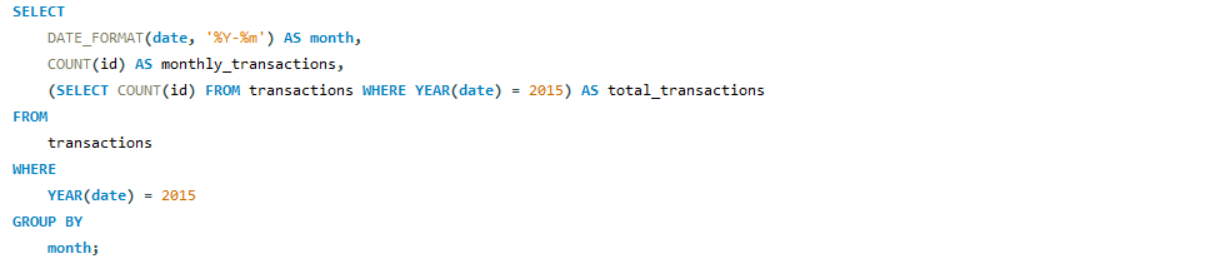
Average number of operations per month;A white background with black and white clouds

Description automatically generatedA screenshot of a computer screen

Description automatically generated

The average number of clients who performed transactions; A white background with black and white clouds

Description automatically generated

The share of the total number of transactions for the year and the share per month of the total amount of transactions;A screenshot of a computer

Description automatically generated

Print the % ratio of M/F/NA in each month with their share of costs;

A computer code with text

Description automatically generated with medium confidenceA screenshot of a computer

Description automatically generated

Task 3:

Age groups of clients in increments of 10 years and separately clients who do not have this information, with the parameters amount and number of transactions for the entire period, and quarterly - averages and %.A screenshot of a computer code

Description automatically generatedA table of numbers with numbers

Description automatically generated