DATA VISUALISATION IN EXCEL

# Data Cleaning and Formatting

I started with removing 26 duplicates from table. Next I renamed values in ‘Marital Status’ ( ‘M’ for ‘Married’, ‘S’ for ‘Single’) and ‘Gender’ (‘M’ for ‘Male’, ‘F’ for ‘Female’) columns. Dashboard will be more readable in this way.

# Creating age groups with IF Statements

1. In ‘Age’ column we have age from 25 to 89 which is not optimal for any visualization, therefore I reassigned people into age groups using IF STATEMENTS

=IF(L2>55,"Senior",IF(L2>=31,"Middle Age",(IF(L2<31, "Adolescent", "Invalid"))))

1. I refined as well “Children” column, if person has any children it will show “Yes”, otherwise “No”.

It will allow us to check is person who did not purchase motorbike has children or not.

# Creating pivot Tables

First:

1. Creating chart of average income of somebody who bought or not, a Motorbike. I took income as a value, Gender as a rows and Purchase status as columns.

Chart

Description automatically generated

1. Creating chart of customer commute, if purchase of bike depends on a distance between person’s house and work place.

Graphical user interface, application

Description automatically generated

1. Creating chart of age group who made or not motorbike purchase.

Graphical user interface, application, table

Description automatically generated

# Adding slicer to a dashboard

I added 4 slicers to a dashboard and connected them to all charts. This will allow us to select specific information about customer.