

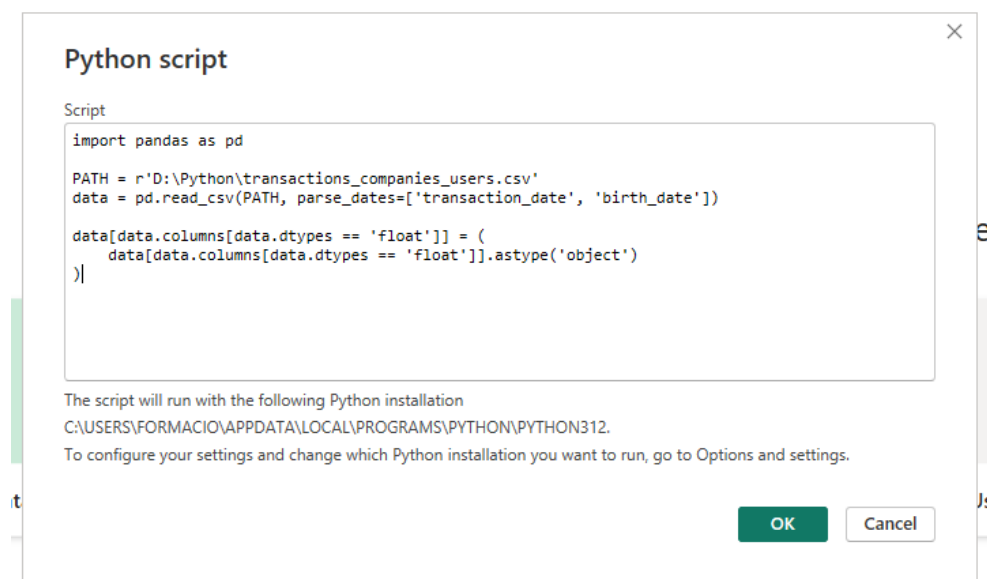
Task 8.02.

Integrating Python and Power BI

MySQL connection to Python was established to load data from previously created `transactions_db` database.

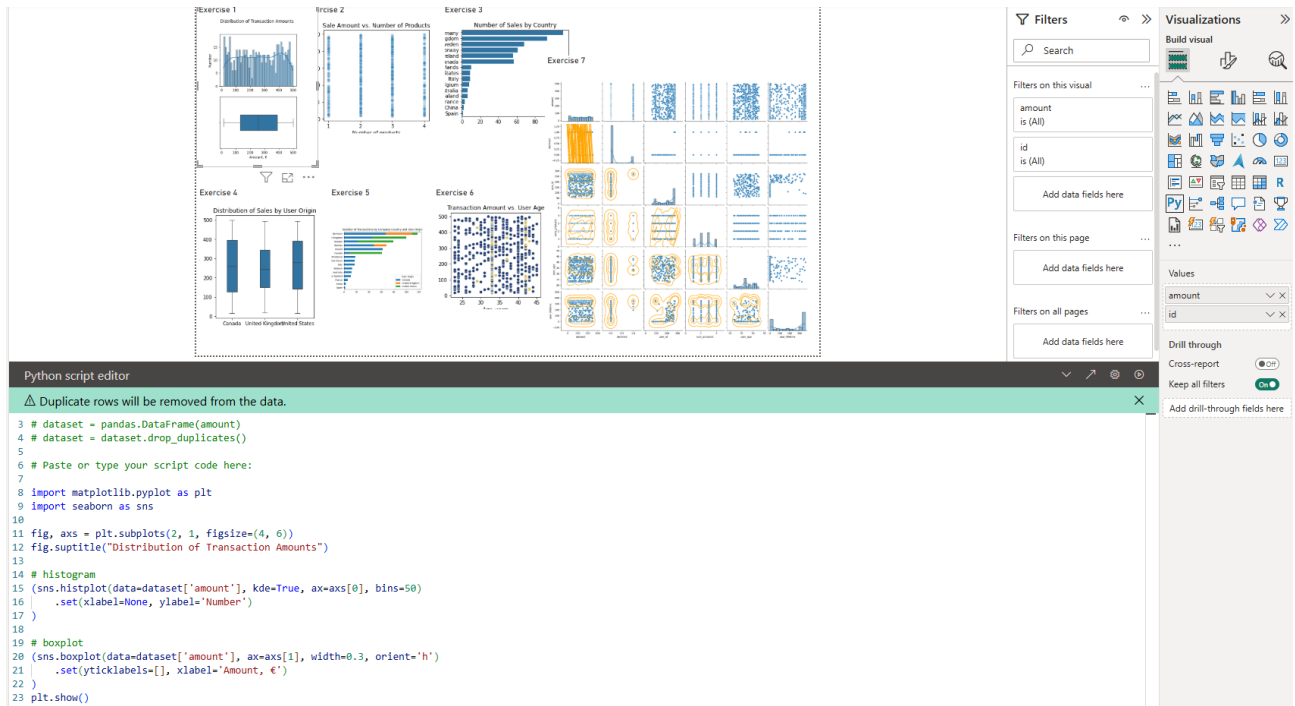
For brevity (to avoid repeating data preprocessing and feature engineering), we will use the `transactions_companies_users.csv` file created in Sprint 8.1, which contains a dataframe with joined tables from the `transactions_db` database.

Columns with "float" datatype are changed to "strings" to avoid possible conflicts in PowerBI.

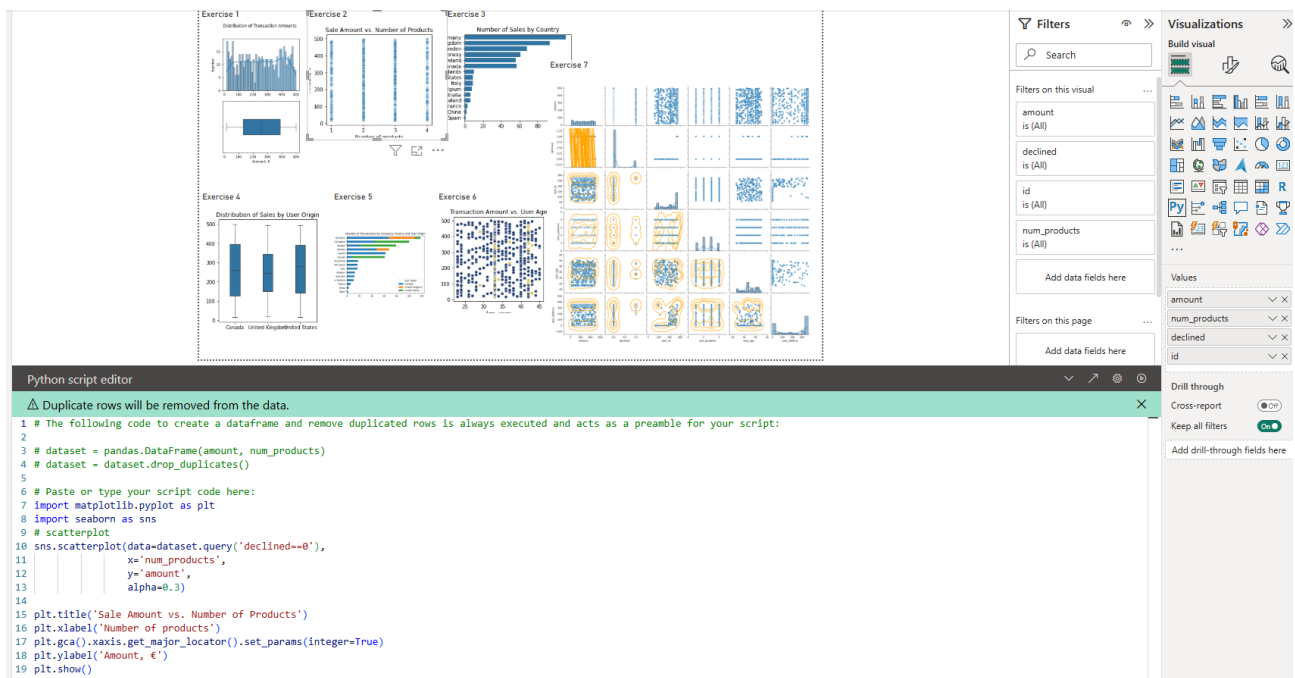


Level 1.

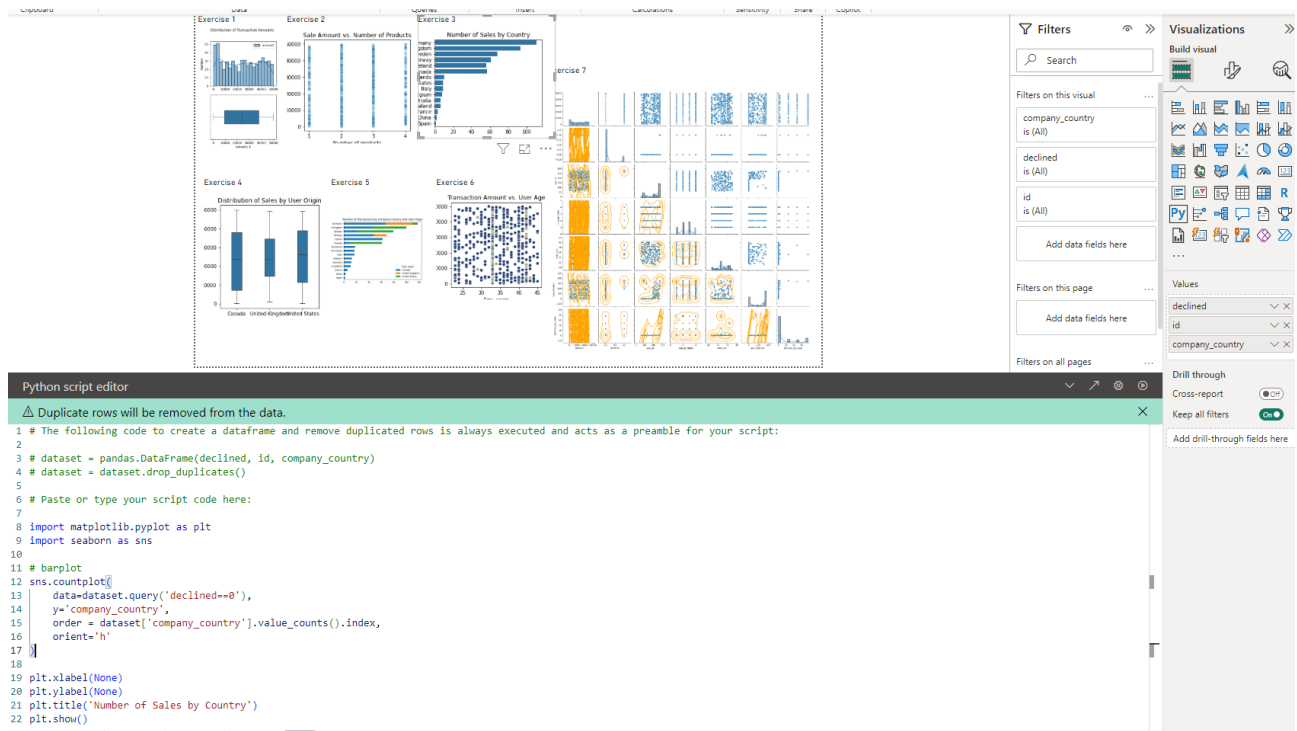
Exercise 1. Single numeric variable.



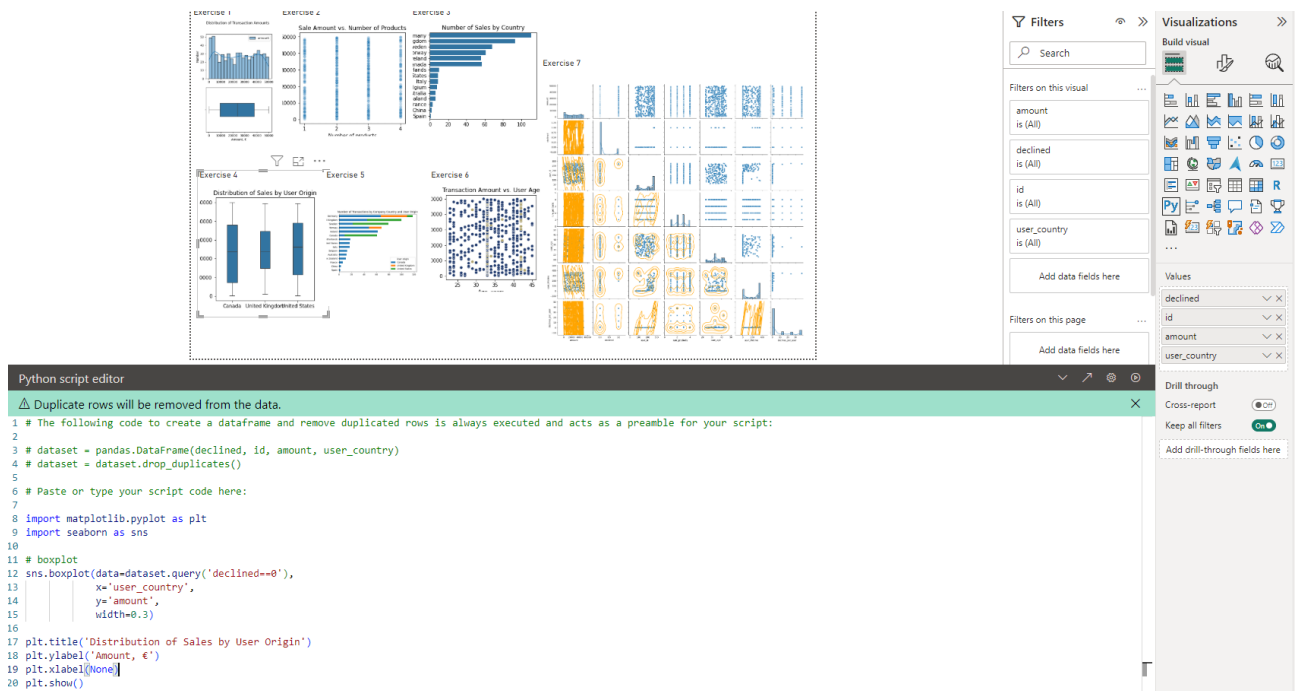
Exercise 2. Two numerical variables.



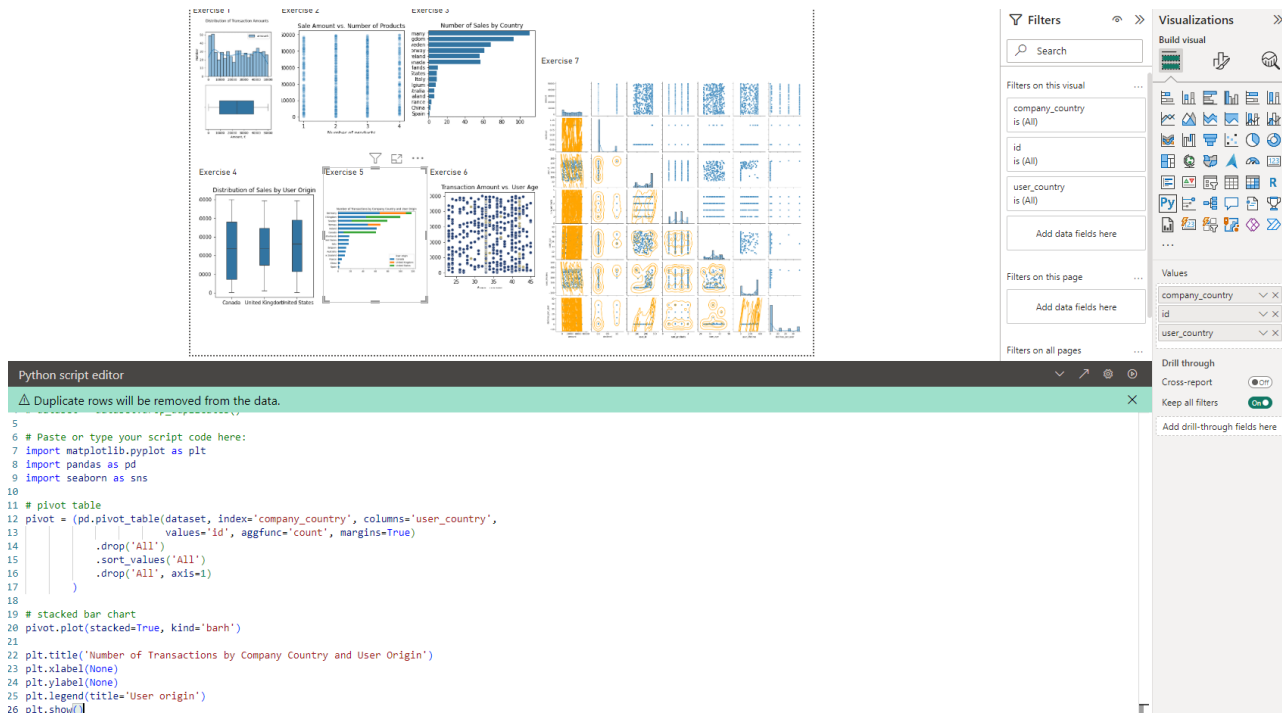
Exercise 3. Single categorical variable



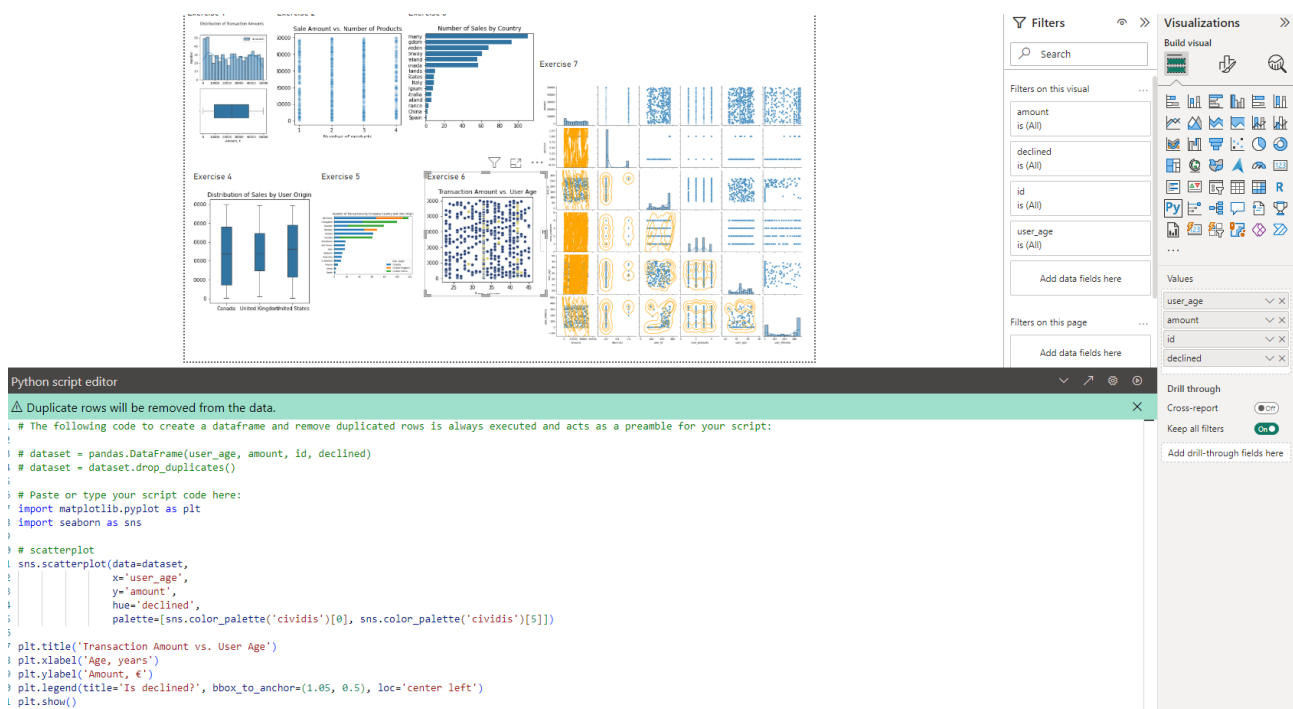
Exercise 4. Categorical and numeric variables.



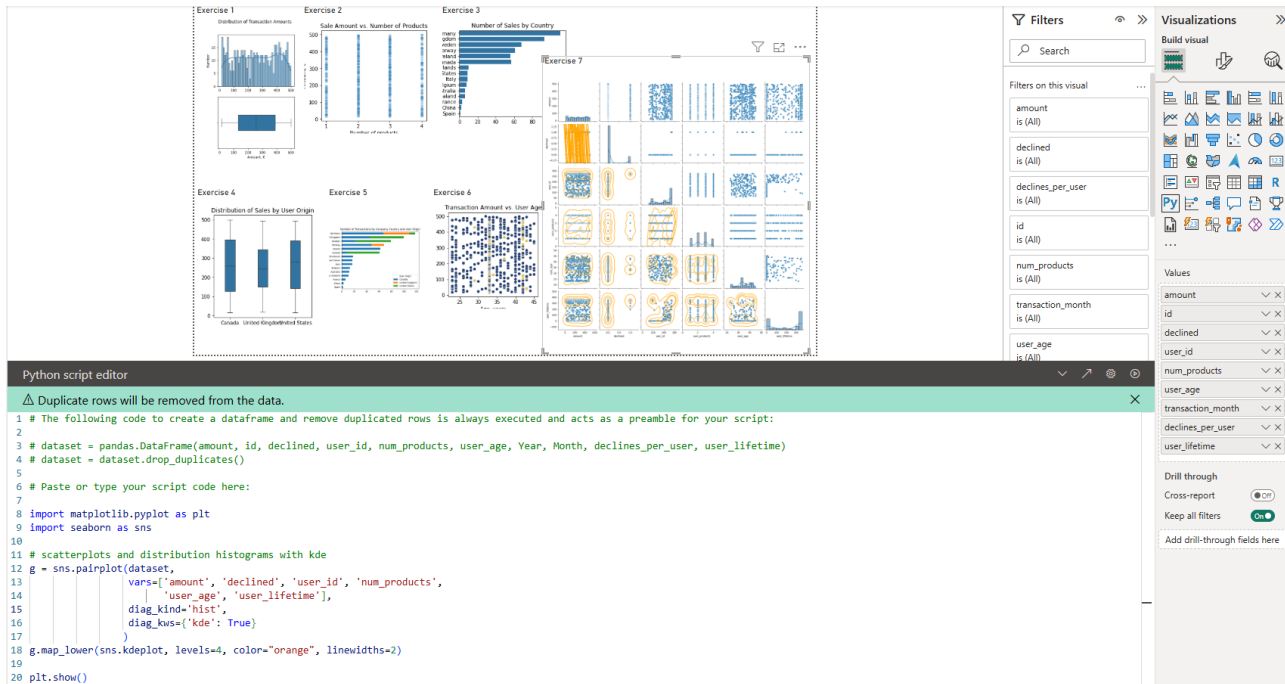
Exercise 5. Two categorical variables.



Exercise 6. Three variables.

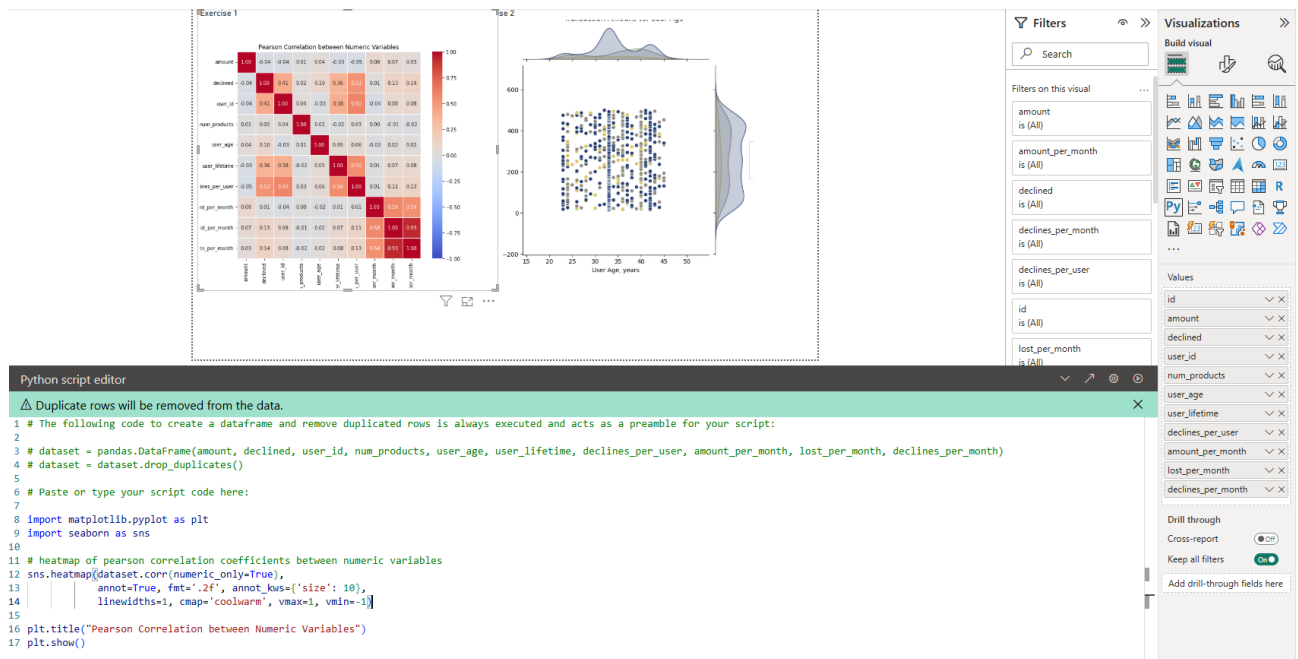


Exercise 7. Pairplot.

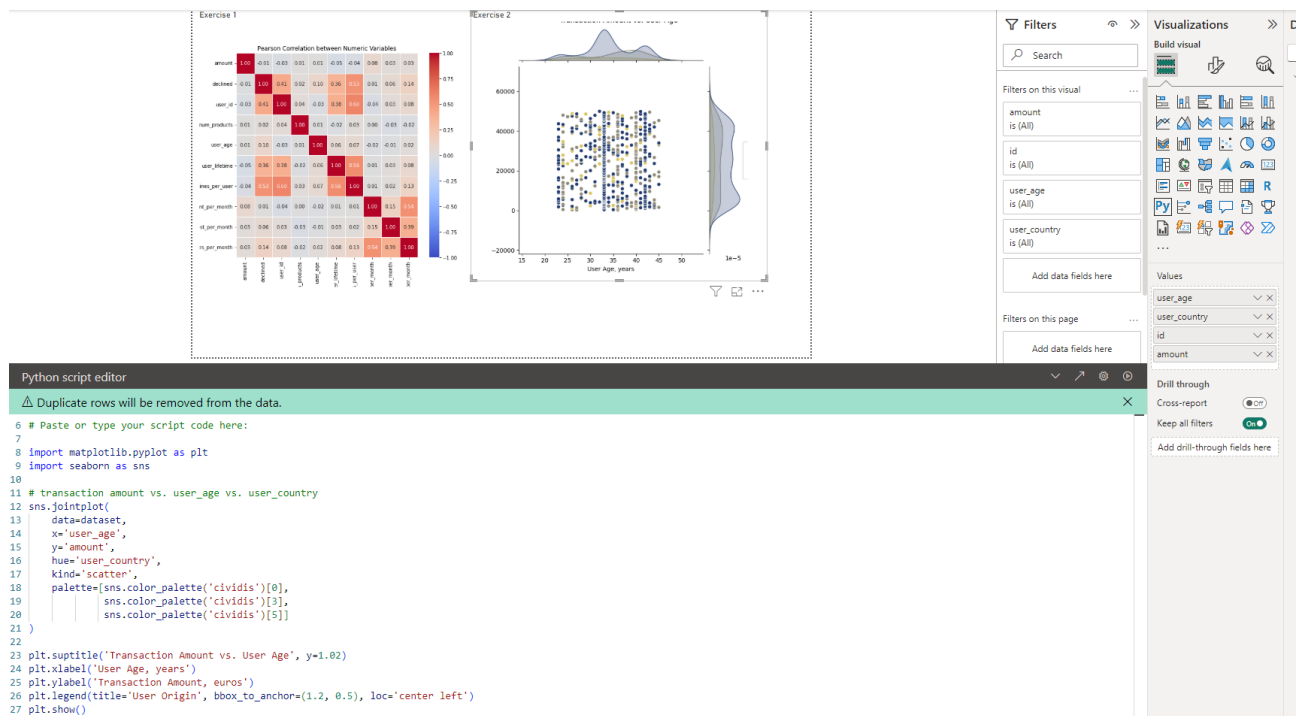


Level 2.

Exercise 1. Correlation of all numerical variables.

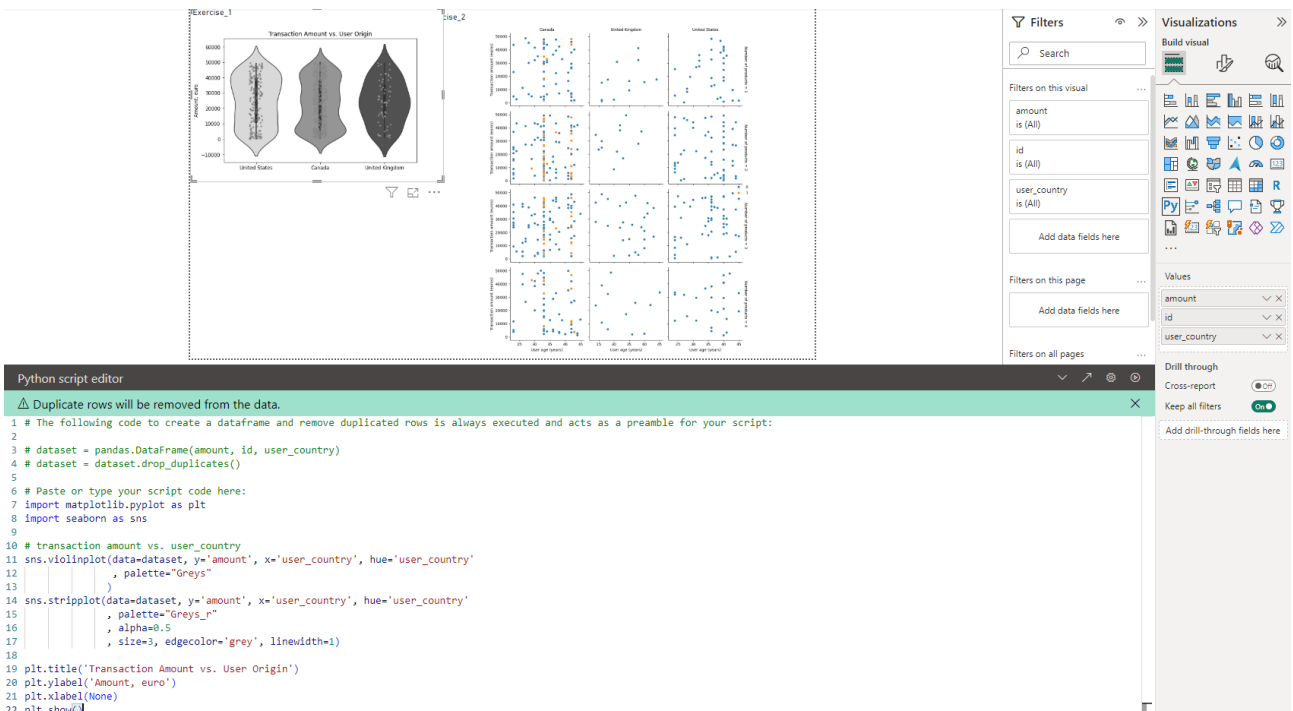


Exercise 2. Jointplot.



Level 3.

Exercise 1. Violinplot combined with another type of graph.



Exercise 2. FacetGrid.

