

Bank Marketing (Campaign)

Assignment

Week 9 Assignment

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Submitted to:

Data Glacier Internship Program

Patch No.:

LISUM11

Aug. 25th, 2022

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Team Members

Track: Data Science

Batch No.: *LISUM11*

Name: Aly Medhat Moslhi

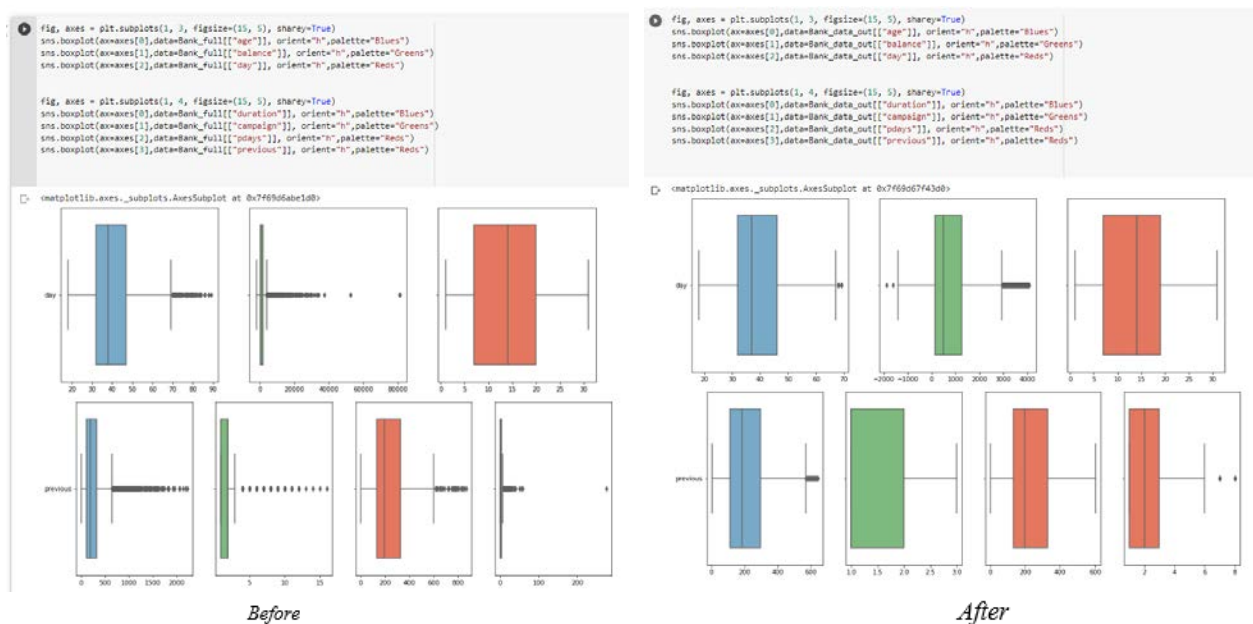
Country: Egypt

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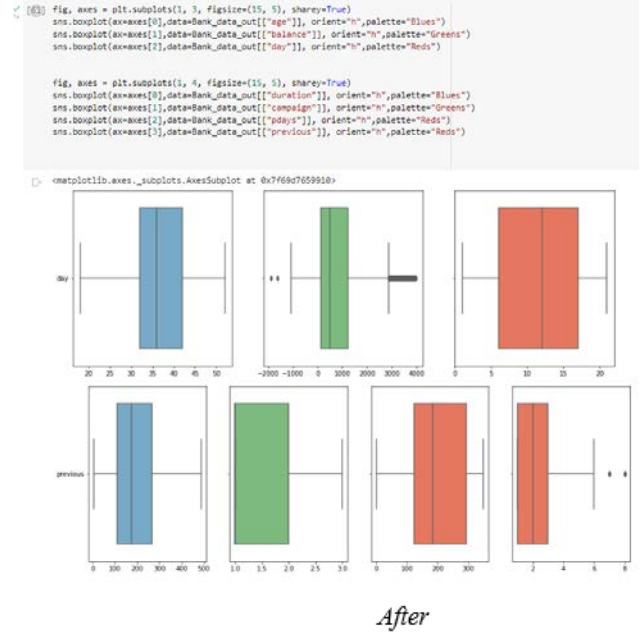
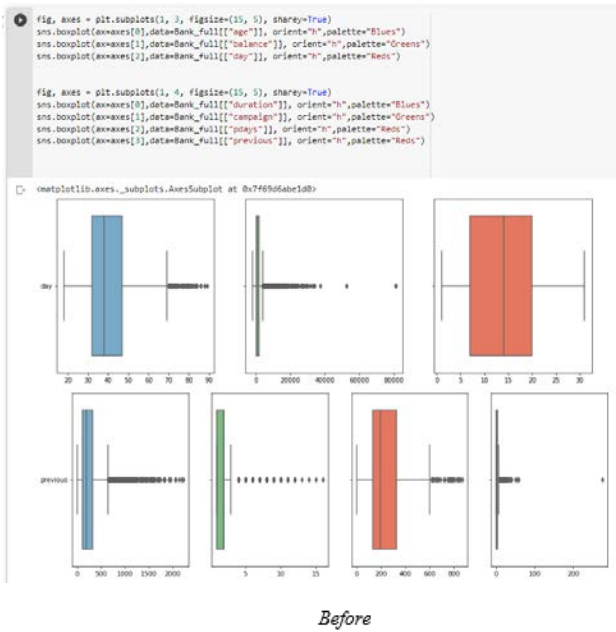
Exploring & Cleaning The Dataset

1. No NaN values were found in the dataset
2. No duplicates were found
3. Statistical analysis was performed on the dataset (mean, median, standard deviation)
4. Outliers were found
5. To deal with outliers two methods were proposed
 - a. The IRQ method was proposed, and the results can be seen in fig. 1



Boxplot of the categorical columns before and after removing outliers

- b. The Slandered deviation method shown in fig 2



Boxplot of the categorical columns before and after removing outliers

6. The final decision for removing the outliers will be during the model building.
7. Weight of Evidence (WOE) and Information Value (IV) were used to determine the variables that will be used for classification.

GitHub Repository link

<https://github.com/alymedhat10/Bank-Marketing-Campaign-.git>