**Lessons Learned Report**

* **Did you learn anything of potential business value from this analysis?**

Yes, I did, in my opinion this helped me to understand that we cannot assume or conclude results based on only one variable if there are more that seem to be helpful and related to the data, in this particular case one of the things I noticed is that ALL information could help and could be analyzed, there are interesting patterns or associations.

Also, the data in my opinion was easy to understand and to work with, all graphs we created were understandable and easy to build.

I think this task and this project helped me to understand Python in an easy and fast way since most of the code I used it was easy to apply and modify if needed.

* **What are the main lessons you've learned from this experience?**

The main lessons are:

1. You need to understand the data very well, in previous tasks I have worked with the datasets the most or part of it had no value and basically we could eliminate it and continue working with little data, but in this case I think 90% of the dataset can be useful to analyze, see patterns, etc.
2. Python is really versatile, and easy to work with, the tricky part is that you need to constantly practice since there are many things to explore and play with.

* **What recommendations would you give to the Data Science team regarding your findings?**

1. Fully understanding of the dataset.
2. Use all libraries you can in order to see different patterns, trends, and visualizations, doing that we will have more results and information to provide to the client.
3. In my opinion categorization of data is very important in this project, that way we can visualize the data easier.
4. Use the BIN option for the AGE since there is a lot variety of ages and that way the data will be more organized and clean.
5. Play or use different combinations of variables, at the end probably you will use only a couple of combinations to provide your conclusions, but we will have plenty options if we do that.