Reflective Diary Template

Group Number: 103

Full Name	Alan Gewerc
Role in group:	- Data Exploration, Dirty Data Fixing, Missing Data Imputation, Algorithm application (Dijkstra) and Documentation
Role responsibilities:	- Exploration and manipulation of dates, to identify and correct mistakes, using tools such as datetime and regex. - Analysis of relations between columns of the dataset and application of consequent corrections where needed. - Application of descriptive functions to search for mistakes in different columns. - Exploration of features related to locations and distances. - Creation of a graph representative of the region, and application of the (*dijkstra algorithm)* to find the shortest path between delivery and restaurant. - Imputation of missing data related to branches and distances. - Associated documentation
Contribution to Group:	- Dirty data identification and correction - Missing data imputation
Learnings from Project	- Dirty data identification, descriptive analysis
Learning Techniques	- Networkx, graphs and dijkstra algorithm - Descriptive functions such as .info and crosstab - Use of Boxplot
What went well	- It was a great experience, overall.
What went wrong?	- Uncertainty if we had found all mistakes.
Resolution to solve issues:	- Constant rechecking and exploration until satisfaction.
Overall Conclusion: Great learning opportunity **How would you do it, if asked to do it again? No relevant difference.**	

Full Name	Cristiana Garcia Gewerc
Role in group:	Data Exploration, Menu Recovery, Outlier Removal, delivery fee Linear regression
Role responsibilities:	- Recover Menus and fix order_type, order_price and order_items in the dirty data file; - Outlier analysis and removal; - Recover the loyalty status of customer in the data file based on the delivery fee payed, distance, day and time; - Imputation of delivery_fee in missing data file.
Contribution to Group:	Dirty data identification and correction Outlier exploration and removal
Learnings from Project	- Linear Regression analysis with “sklearn” - Linear Algebra with “numpy.linalg”, specially for solving system of linear equations.
Learning Techniques	- Data exploration with boxplots and pandas functions; - Solve() function of numpy.la - Permutations with “itertools”
What went well	It was great overall. Good division of tasks.
What went wrong?	- The assignment was too long, we finished on the last day.
Resolution to solve issues:	- Hard work until the last moment.
Overall Conclusion: Importance of attention to details **How would you do it, if asked to do it again? Would repeat everything.**	