***GROUP REFLEXION REPORT***

This section is going to have a weekly reflexion where it will be shown if we achieved our weekly goals defined on the "Gant chart"; as well as information regarding to our team work and challenges we might find along the project.

***Week: 26/10/2020 to 30/10/2020***

* Topics to be discussed (goals):
* Discuss and select AI problem and dataset for project.
* Participants:
* Egor Bogachev
* Alexandra Vaz Ferreira
* Míriam Fernández Romero
* Goals:
* Achieved:
* Yes.
* Not achieved:
* Team work: All group members are proactive during the discussions. We have a good and fluid communication between us. We are going through all project parts together.
* Challenges: If yes, How do we overcome this challenges?: N/A

***Week: 02/11/2020 to 06/11/2020***

* Topics to be discussed (goals):
* Work on developing problems milestone plan (1).
* Discuss and develop businesses understanding of selected problem (2).
* Develop template for Group Reflexion Report (3).
* Participants:
* Egor Bogachev
* Alexandra Vaz Ferreira
* Míriam Fernández Romero
* Goals:
* Achieved:
* Develop business understanding of the problem and compile business understanding report.
* (3)Discussed and agreed on 04/11/20.
* Not achieved:
* Team work: short meeting on 04/11/20 to clarify what will be done next. All group members are proactive during the discussions. We have a good and fluid communication between us. We are going through all project parts together.
* Challenges: If yes, How do we overcome this challenges?: Not sufficient knowledge in machine learning and AI to make decision on projects.

***Week: 09/11/2020 to 13/11/2020***

* Topics to be discussed (goals):
* Look a dataset and develop data understanding.
* Work on group reflection report.
* Participants:
* Egor Bogachev
* Alexandra Vaz Ferreira
* Míriam Fernández Romero
* Goals:
* Achieved: we went through the different datasets chosen; analysing the features and finally deciding the one we will use for our project.
* Not achieved:
* Team work: We are going through all project parts together.
* Challenges: If yes, How do we overcome this challenges?:

***Week: 16/11/2020 to 20/11/2020***

* Topics to be discussed (goals):
* Develop Milestone output report.
* Work on group reflection report.
* Data preparation.
* Participants:
* Egor Bogachev
* Alexandra Vaz Ferreira
* Míriam Fernández Romero
* Goals:
* Achieved: We have started preparing data as there were some Null values. In order to do so, it was chosen to take the average in each one of the variables. Still working on it.
* Not achieved:
* Team work:
* Egor cleaned data.
* Alexandra will continue with the Data Understanding Report.
* Miriam will continue with the group reflexion updates.
* Challenges: If yes, How do we overcome this challenges?:

***Week: 23/11/2020 to 27/11/2020***

* Topics to be discussed (goals):
* Develop Milestone output report.
* Work on group reflection report.
* Data preparation.
* Participants:
* Egor Bogachev
* Alexandra Vaz Ferreira
* Míriam Fernández Romero
* Goals:
* Achieved:
* Develop Milestone output report with all the chapters needs to be. How we can combine it with what is already done.
* Work on group reflection report.
* Data preparation. We went all through the data, checking all features, if there are some missing values and adding a short description of each to the data understanding report.
* Not achieved:
* Teamwork:
* All group members are proactive during the discussions. We have a good and fluid communication between us. We are going through all project parts together which is good as we are involved in the whole process.
* Challenges: If yes, how do we overcome this challenges:

***Week: 14/03/2021***

* Topics to be discussed (goals):
* Participants:
* Egor Bogachev
* Alexandra Vaz Ferreira
* Míriam Fernández Romero
* Goals:
* Detailed description about the use of Machine Learning in our project. Which type of classification we are going to use.
* How we will be doing the training of our model.
* We must make a general description, talk more about the model.
* Research in our data and Machine Learning techniques
* Build up a plan: Egor(gant chart)
* Review our report and the dataset.
* Team work:
* We will bring some ideas regarding of discussion and we will split up the duties in the next meeting.
* Challenges: If yes, How do we overcome this challenges?: We are having some difficulties, as we just started with Machine Learning and we don’t still have enough knowledge.

***Week: 21/03/2021***

* Topics to be discussed (goals):
* Review and discuss the project.
* Participants:
* Egor Bogachev
* Alexandra Vaz Ferreira
* Míriam Fernández Romero
* Goals
* How to approach to machine learning, add into this description some words related to our dataset.
* We were dividing the duties on the Gant Chart.
* Discuss and develop understanding of machine learning algorithm to be used to build a model.
* Teamwork tasks:
* Miriam: started developing Machine learning and AI relation to the project and keep updating group reflexion report.
* Egor: Gant Chart and review developing Machine learning and AI relation to the project.
* Alexandra: check the work format.
* Challenges: If yes, How do we overcome this challenges?: The biggest challenge is to understand how to use specific Machine Learning Techniques in regards on building our model for the specific dataset. We are not sure about which type of algorithm e are going to use and how to clarify which is the target variable when we are doing the model.