Lab0 - Project schedule and Resource allocation

Each group has to deliver this form filled, committing each team member to several of the tasks that compose the project. It is expected that each student have balanced contributions to the work, and this allocation will be used in case any team member drop during the project duration.

* Required

1. Team number *

   _____

2. 1st Student *

   Simon Reisch
   _____

3. 2nd Student

   Luis Miguel Costa
   _____

4. 3rd Student

   Élie Lévy
   _____

5.   Lab 1 – Data Profiling *

Check all that apply.

	1st Student	2nd Student	3rd Student
Set 1 - Data Dimensionality	☐	☐	X
Set 2 - Data Dimensionality	☐	☐	X
Set 1 - Data Granularity	X	☐	☐
Set 2 - Data Granularity	X	☐	☐
Set 1 - Data Distribution	☐	X	☐
Set 2 - Data Distribution	☐	X	☐
Set 1 - Data Sparsity	X	☐	☐
Set 2 - Data Sparsity	X	☐	☐
Set 1 - Correlation Analysis	☐	☐	X
Set 2 - Correlation Analysis	☐	☐	X

6.   Lab 2 – Data preparation (non-evaluated) *

Check all that apply.

	1st Student	2nd Student	3rd Student
Set 1- Missing values imputation	☐	X	☐
Set 2- Missing values imputation	☐	X	☐
Set 1 - Dummification	☐	☐	X
Set 2 - Dummification	☐	☐	X

7.   Lab 3 – KNN and Scaling *

Check all that apply.

	1st Student	2nd Student	3rd Student
Set 1 - Scaling	☐	☐	☐
Set 2 - Scaling	☐	☐	☐
Set 1 - KNN study	☐	☐	☐
Set 2 - KNN study	☐	☐	☐

8.   Lab 4 – Naive Bayes and Balancing *

Check all that apply.

	1st Student	2nd Student	3rd Student
Set 1 - Balancing	☐	☐	☐
Set 2 - Balancing	☐	☐	☐
Set 1 - NB study	☐	☐	☐
Set 2 - NB study	☐	☐	☐

9.   Lab 5 – Decision Trees and Overfitting *

Check all that apply.

	1st Student	2nd Student	3rd Student
Set 1 - Decision Trees study	☐	☐	☐
Set 2 - Decision Trees study	☐	☐	☐
Set 1 - Overfitting (for all techniques)	☐	☐	☐
Set 2 - Overfitting (for all techniques)	☐	☐	☐

10.   Lab 6 – Random Forests and Feature Selection *

Check all that apply.

	1st Student	2nd Student	3rd Student
Set 1 - Feature selection (for all techniques)	☐	☐	☐
Set 2 - Feature selection (for all techniques)	☐	☐	☐
Set 1 - Random Forests	☐	☐	☐
Set 2 - Random Forests	☐	☐	☐

11.   Lab 7 – Neural Nets and Gradient Boosting *

Check all that apply.

	1st Student	2nd Student	3rd Student
Set 1 - MLPs	☐	☐	☐
Set 2 - MLPs	☐	☐	☐
Set 1 - Gradient Boosting	☐	☐	☐
Set 2 - Gradient Boosting	☐	☐	☐

12.   Lab 8 – Clustering and PCA *

Check all that apply.

	1st Student	2nd Student	3rd Student
Set 1 - Clustering - KMeans	☐	☐	☐
Set 2 - Clustering - KMeans	☐	☐	☐
Set 1 - Clustering - EM	☐	☐	☐
Set 2 - Clustering - EM	☐	☐	☐
Set 1 - Clustering - Density + Hierarchical	☐	☐	☐
Set 2 - Clustering - Density + Hierarchical	☐	☐	☐
Set 1 - Feature extraction (PCA)	☐	☐	☐
Set 2 - Feature extraction (PCA)	☐	☐	☐

13.   Lab 9 – Pattern Mining *

Check all that apply.

	1st Student	2nd Student	3rd Student
Set 1 - Discretization	☐	☐	☐
Set 2 - Discretization	☐	☐	☐
Set 1 - Pattern Mining	☐	☐	☐
Set 2 - Pattern Mining	☐	☐	☐

14.   Lab 10 – Time Series and Matrix Profile *

Check all that apply.

	1st Student	2nd Student	3rd Student
Set 1 - Data Analysis	☐	☐	☐
Set 2 - Data Analysis	☐	☐	☐
Set 1 - Data Preparation	☐	☐	☐
Set 2 - Data Preparation	☐	☐	☐
Set 1 - Matrix Profile	☐	☐	☐
Set 2 - Matrix Profile	☐	☐	☐

15.   Lab 11 – Forecasting *

Check all that apply.

	1st Student	2nd Student	3rd Student
Set 1 - Regression models	☐	☐	☐
Set 2 - Regression models	☐	☐	☐
Set 1 - Prophet	☐	☐	☐
Set 2 - Prophet	☐	☐	☐
Set 1 - LSTMs	☐	☐	☐
Set 2 - LSTMs	☐	☐	☐

Google Forms