PROJECT SUBMISSION GUIDELINES

Certified data scientist certification scheme requires a data science project to be submitted and accepted by IABAC™. This document provides guidelines for project submission.

1. PROJECT ASSIGNMENT:

The project assignment is initiated by training partners (R.E.Ps) and candidate gets the project requirements along with data and other related information through email from IABAC™.

2. TIMELINE:

The project needs to be submitted within 7 days of the assignment
http://www.iabac.org/exam/project-submit.html

The closing time of last day of submission would be 11:59 PM according to Time zone of the candidate.

Any request related to extend the timeline needs to be send to exam@iabac.org with partial project work submission. The request will be considered on case to case basis and approved as required.

3. PROJECT SUMMARY

Sentences summarizing the most important aspects of your model and analysis, such as:

1. The algorithm and training method(s) you used (Such as SVM, Neural Network etc.,)
2. The most important features selected for analysis and why? (Whether techniques such as PCA Factorization used)
3. Other techniques and tools used in the project.

4. FEATURES SELECTION / ENGINEERING

1. What were the most important features selected for analysis and why?
2. Did you make any important feature transformations?
3. Correlation or interactions among the features selected and how it is considered?

5. RESULTS, ANALYSIS AND INSIGHTS

1. Did you find any interesting relationships in the data that don't fit in the sections above?
2. What is most important technique you used in this project?
3. Provide clear answers to the business problems mentioned in the project on basis of analysis.
4. More business insights you gain from the analysis.

6. GENERAL GUIDELINES.

1. Project scripts need to be submitted as Jupyter notebooks with markdown as required.
2. The project structure should be adhered as per section 7 (next section)
3. Titles should avoid the use of acronyms and abbreviations where possible.
4. The Summary should succinctly describe the study performed, the resulting data, and the insights as per project requirements.
5. The methods should include detailed text describing any steps or procedures used in pre-processing the data, including full descriptions of the experimental design, data acquisition assays, and any computational processing (e.g. normalization).

7. PROJECT DIRECTORY STRUCTURE

├── Project Summary <- The top-level summary of the Project

│ ├── Requirement <- Data from third party sources.

│ ├── Analysis <- Interpreting Data and summary of various choices from selecting ML algorithm to data processing techniques

│ ├── Summary <- Project Summary with Analysis and recommendation.

├── data

│ ├── external <- Data from third party sources.

│ ├── processed <- The final, canonical data sets for modeling.

│ └── raw <- The original, immutable data dump.

│

├── src <- Source code for use in this project.

│ ├── Data Processing <- Data processing, data mugging, exploratory Analysis

│ │ ├── data_processing.ipynb

│ │ ├── data_exploratory_analysis.ipynb

│ ├── models <- Scripts to train models and predictions

│ │ ├── train_model.ipynb

│ │ └── predict_model.ipynb

│ └── visualization <- Scripts to create exploratory and results visualizations

│ └── visualize.ipynb

└── references <- Data dictionaries, manuals, and all explanatory materials.

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