**Capstone Project Evaluation**

Use this form to evaluate the student on the quality, clarity and completeness of the definition, design and delivery of the project.

| **Aspect** | **Score** | **Notes** |
| --- | --- | --- |
| **Define (20%)** | | |
| **Business context, stakeholders and value**   * Overall understanding of the business domain * Explanation of the business context * Formulation of the business question * Understanding and engagement of stakeholders * Estimation of the business value | /10 | Good understanding of the business domain demonstrated  Stakeholders well articulated  Estimation of business value not provided |
| **Data description, sources, quality**   * Translation of the business question into a data question * Defining what data is needed to answer the business question * Understand how to source the data * Understanding of how the data was generated * Understanding of the quality of data and its limitations * Understanding of how the data can be sourced in the future | /10 | Data question is provided  Aspects of data and its source are well described |
| **Design (30%)** | | |
| **Data exploration, analysis and visualisation**   * Data exploration showing the key entities and their business significance * Using effective visualisation to communicate key aspects of the data | /10 | Some deficiencies in how the data is presented (e.g. missing axis labels) but overall the visualisations are informative and well done |
| **Documentation: text document, presentation and Notebooks**   * Using the appropriate level of details to document the problem, stakeholders and solution * Organisation and structure of documentation and code | /10 | Good level of details in the slides and text document, the notebooks could be better documented |
| **The project planning, effort allocation and next steps**   * Understanding of the effort used to perform the design work and remaining effort to complete the project * Defining the next steps to bring the project to production | /10 | Steps to bring the project to production were not really provided in sufficient detail |
| **Delivery (50%)** | | |
| **Feature Engineering**   * Using business domain knowledge to select appropriate features * Using appropriate encoding for each feature | /10 | Dummy encoding used, also good to see an attempt at other features being created |
| **Creation of an effective reproducible pipeline**   * Creation of a reproducible pipeline to ingest and prepare data and to train and evaluate the Machine Learning model * Separation of the modelling pipeline from code for exploring and analysing the data | /10 | Code for EDA separated from that of modelling  Random seeds used where applicable |
| **Machine Learning model algorithms and accuracy**   * Selection of the appropriate Machine Learning algorithm * Evaluation of the model performance * Applying multiple algorithms and comparing results * Using appropriate metrics to express model performance | /10 | Good selection of machine learning models used, appropriate performance metrics chosen |
| **Overall end-to-end solution**   * Showing the overall end-to-end solution (UI, model, data, infrastructure). * State tools, libraries and frameworks used in the development of the model and planned for the delivery of the solution. * Appreciation of the effort and skills required to implement the whole solution | /10 | End-to-end solution well described in the report, showing a good knowledge of the tasks involved |
| **Delivery of the presentation, poise and audience engagement**   * Ability to deliver a clear, concise and engaging presentation * Ability to listen effectively and address questions * Overall poise, confidence and rapport with the audience * Keeping the time | /10 | Presentation was slightly overtime (14 mins)  Introduction was very good, conclusion could have been a little stronger with recommendations for the stakeholder |
| **Total and overall notes** | /100 | Overall a very solid effort, well done! |