**Assessment 1 Template: Design Journal**

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| **Assessment Criteria** | **Part A:**  **Identified elements** | **Part B:**  **Developing evidence** | **Part C:**  **Achieved outcomes with evidence** |
| Evaluated data challenges and selected appropriate approaches to data discovery | * **Stronger Data Science Foundations**   + Build stronger foundations about different modelling techniques and their applicability in different use cases.   + Learn from Data Scientists on Client’s team to build a stronger foundation for Data Science - Exploratory Data Analysis, Model Selection, Analysis and Evaluation through shadowing team meetings. * **Visualisation**   + Gain proficiency in using PowerBI as a visualization tool * **Infrastructure**   + Build a basic understanding of how Machine Learning and its generated analysis integrates with different softwares, technology and IT Infrastructure to deliver the insights to end-users for decision-making |  |  |
| Identified key concepts, frameworks or processes to utilise for problem solving | * **Data Science Programming Language and tools**   + Build Consistency at using tools like Github to track work progress along   + Blog consistently to learn from and share with the Data Science Community   + Increase proficiency in R   + Build proficiency in Python as the key coding platform for the client – it has better library? Do research and check with the team, install anaconda 🡪 spider package, it looks similar to R. * **Enhancing Business skills**   + Identify different approaches to extract the most relevant information from the data for the business decision-making   + Leverage domain expertise and Business Acumen to identify opportunities for data discovery for the client   + Ability to work independently and collaboratively with stakeholders   + Project management, stakeholder management and negotiations in business context   + Utilise different communication channels to provide client regular updates and use agile project methodology to re-assess client needs at different stages and build feedback into solution design |  |  |
| Considered and applied legislation and standards for managing data in stakeholders’ context | **Legal/Compliance**   * Learn about data management laws in different countries that the client operates in and understand their context and recommend solutions that are within the legal bounds. |  |  |
| Created tailored criteria to evaluate your own professional development regarding stakeholder requirements and work as part of high-functioning teams | * Don’t have to write this? |  |  |
| **Self-developed criteria** associated with:  Embracing ethical responsibilities in contrasting patterns and predictors for data discovery for the development of data science capabilities  within organisations. | **Ethics**   * Identify ethical implications for how the analysis will be used (not just how data is collected) and how it can impact different stakeholders of the client   + De-identify the data but can you re-identify the data? * How does this analysis influence the market’s decisions and future direction since company has a brand name and has the power to influence.   + Who gets access to how much data – make recommendations |  |  |
| **Self-developed criteria** associated with:  Embracing ethical responsibilities in contrasting patterns and predictors for data discovery for the development of data science capabilities  within organisations. |  |  |  |