**Data Science Project Proposal**

**Outcome 1: Team Collaboration & Project Planning**

**1. Project Title**

*“Do low rated chess players who play obscure openings do better than those who play common openings”*

**2. Team Information & Roles**

**Project Team:**

Each team member should have a defined role and responsibilities.

| **Name** | **Role(s)** | **Responsibilities** |
| --- | --- | --- |
| Anna Bekesi | [Role] | [Detail of tasks] |
| James Murphy | [Role] | [Detail of tasks] |
| Margaret Morgan | [Role] | [Detail of tasks] |
| Callum Rennie | [Role] | [Detail of tasks] |

**Collaboration Tools:**

* **Communication:** Microsoft Teams
* **Version Control & Documentation:** GitHub, OneDrive.
* **Project Management:** Microsoft Planner.

**3. Problem Statement & Project Scope**

* **Problem Definition:** Clearly define the real-world issue or research question.
* **Significance:** Justify why this problem is important (business, scientific, or societal impact).
* **Stakeholders:** Identify the key stakeholders and their interests.
* **Scope:** Define the boundaries and feasibility of the project.

**Key Questions:**

* What is the main problem the project aims to solve?
* Why is this problem important?
* Who are the key stakeholders?
* What are the expected challenges?

**4. Objectives & Key Milestones**

**Project Objectives**

* Collaborate effectively within a data science team.
* Develop a structured project plan aligned with the **PPDAC Data Science Lifecycle**.
* Ensure ethical and legal compliance in data handling.
* Set clear deliverables and success criteria.

**Key Milestones & Timeline**

| **Milestone** | **Task Description** | **Start Date** | **End Date** | **Responsible Member(s)** |
| --- | --- | --- | --- | --- |
|  |  | DD/MM/YYYY | DD/MM/YYYY | [Name] |
|  |  | DD/MM/YYYY | DD/MM/YYYY | [Name] |
|  |  | DD/MM/YYYY | DD/MM/YYYY | [Name] |
|  |  | DD/MM/YYYY | DD/MM/YYYY | [Name] |

**5. Ethical Considerations & Compliance**

* **Data Bias:** Ensure fairness and reduce potential biases in data collection.
* **Privacy & Security:** Adhere to GDPR and other legal frameworks.
* **Transparency:** Document decisions related to data usage and model selection.

**6. Deliverables & Submission Timeline**

| **Deliverable** | **Description** | **Due Date** |
| --- | --- | --- |
| **Project Proposal** | Define business problem, dataset, and methodology | DD/MM/YYYY |
| **Project Plan** | Detailed team roles, milestones, and collaboration strategy | DD/MM/YYYY |