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| **Risk description** | Type | probability | Effect | Resolution/ Mitigation/ CONTINGENCY |
| Lack of Data | Project | High | This can lead to incompletion of tasks which could affect the completion of our project. | Finding other sources of data |
| Inadequate time allocation | Project, People | High | This can lead to incompletion of the project at hand due to underestimation of time. It would also increase the pressure on team. | Allocating time to different tasks based on their level of difficulty. Also, setting more time for the difficult tasks. |
| Underestimating time to create the models | People | High | This may cause group members to become disorganised and waste time attempting to solve a single code. | Set priorities for their work and make sure they receive responses before going on to the next code. |
| Size of the Data | Technical Risk | Low | This may result in technological problems and raise concerns for the organisation because the software is large and will require sorting. | Make sure the software is the correct size, that it is saved to the correct location on files, and that a backup copy is kept. |
| Inaccurate solution provided | Project | Moderate | This can reduce the efficiency of the solution proffered to the problem. | Understanding each problem, doing external research when necessary and collaborating to find the most effective solution. |
| Tools | People | Moderate | This may result in the software's correct code being ineffective, providing an insufficient resolution. | Ensuring that codes are reviewed by other team members and figuring out how to make the code function |
| Poor team Relation | Project, People | Low | This can reduce the morale of the team members and reduce their efficiency in carrying out respective tasks thereby affecting the project at hand. It could also lead to conflicts. | Building good relationships with each other by listening and respecting everyone's opinion and reaching common ground as a group. |
| Working with an external team | People, Project | Moderate | Misalignment of expectations and communication gaps. Dependency risks: project progress may stall if the external team underperforms | Clearly define roles, responsibilities, and deliverables upfront. set up regular sync meetings and shared communication channels (e.g., Slack, Teams). Use collaborative tools for task tracking (e.g., Jira, Trello) and shared documentation. |
| Privacy Violation (Data Misuse) | Ethical, Legal | High | Collection or misuse of identifiable crowd data can lead to privacy breaches and legal consequences. | **Contingency:** Utilize the Smart Ethics Tool to assess the project's data privacy risk level.  **Possible resolution:** Implement strict data anonymization protocols and require all individuals with data access to sign a Non-Disclosure Agreement (NDA). |
| Lack of Transparency | Ethical | Moderate | Stakeholders and public may distrust the system if it’s not clear how it works or makes decisions. | **Contingency:** Leverage the Smart Ethics Tool to evaluate the project's transparency level.  **Possible resolution:** Ensuring comprehensive documentation and clearly communicating the decision-making process. |