Risk Assessment

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| Risk | Likelihood | Risk Level | Mitigations |
| Insufficient processing power for timely training on deep learning techniques | 75% | 50% | * Ensure a Virtual Machine is built to utilise the high-processing capabilities that exist virtually. * Aim to minimise the computational cost in the chosen framework. This is essential as we want the solution to be interactive. However, for example, using a frozen BERT model would help alleviate concerns. |
| Insufficient data availability. | 10% | 90% | * We will use publicly available data, previously used for text summarisation, passage ranking research. * This is a low likelihood situation since there are many data sources available that are in common use. |
| Change in research direction leads to ethical concerns since the research is active learning based. | 25% | 90% | * To evade using human annotators, we will be using noisy random selectors as our oracle. * This means that an ethics review is not required. * However, if there is a change in direction, we will undergo an ethics review where the time taken will be accounted for in the decision-making process. |
| Due to the project being part of part-time study alongside a full-time job, there is a risk of unpredictable changes in time requirements | 20% | 75% | * Ensure an effective usage of study day. * Develop a plan outlining what needs to be achieved each week. * Ensure there is time available for overrunning of tasks. |