Team: int_elligence

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We have finalised the following topic: Anonymisation of Social Networks. The tool that we propose will take in a social network as the input and output the anonymised social network. There are several privacy measures that we plan to implement. The proof of privacy is guaranteed by successful implementation of these privacy measures. However, as means of software testing, we will also attempt to de-anonymise the social network using state of the art de-anonymisation algorithms. Moreover, there are several methods which have been proposed in the literature to actually implement the anonymisation aspect. We aim to use all of the famous methods such as: Edge editing, Noise Node addition, Clustering etc. We can then compare the amount of effort that went into the implementation of each part. The motivation for this project was our interest in the field of social network analysis. Moreover, there were no good tools that we discovered which produced anonymised social networks with proper documentation of the various hyperparameters. We believe that this project is relevant to software engineering because it deals with the privacy of data.