DATA AND DE-ANONYMIZATION: AN OBSERVATION OF ANONYMIZING TECHNIQUES AND THEIR SECURITY ABILITY WITHIN AN APPLICATION

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Conclusion

- Comparison of old and new anonymization rather than anon vs de-anon
  - Both would be preferable, fuller comparison
  - Anon vs De-anon first, then older vs newer
- Full comparison model
  - From extra work added, would be possible with a few more months development
- Artefact as a whole
  - Works well as stated in report, improvements made discussed in next slide

Reflective Analysis

- Allow Different file types to be imported
  - Allows importing of most files but as to the effectiveness it varies depending on the users implementation, looked at unoconv (cmd line) and wv (C library), word documents trickier to read in because of wrappers. Log files.
- More Anonymization and De-anonymization techniques
  - Using substitution and linkability
- Creation of a model
  - Time taken with pros and cons
- Interaction with social media data
  - As Stated, incredibly hard to implement without a larger development team

Useful Websites used for demonstration

- File types: https://www.computerhope.com/issues/ch001789.htm

- Unocon: https://github.com/unoconv/unoconv

- Wv: http://wvware.sourceforge.net/