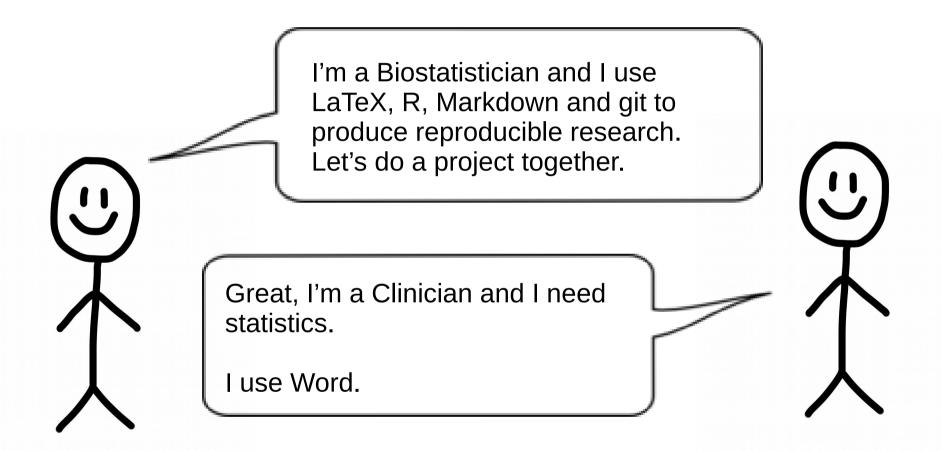
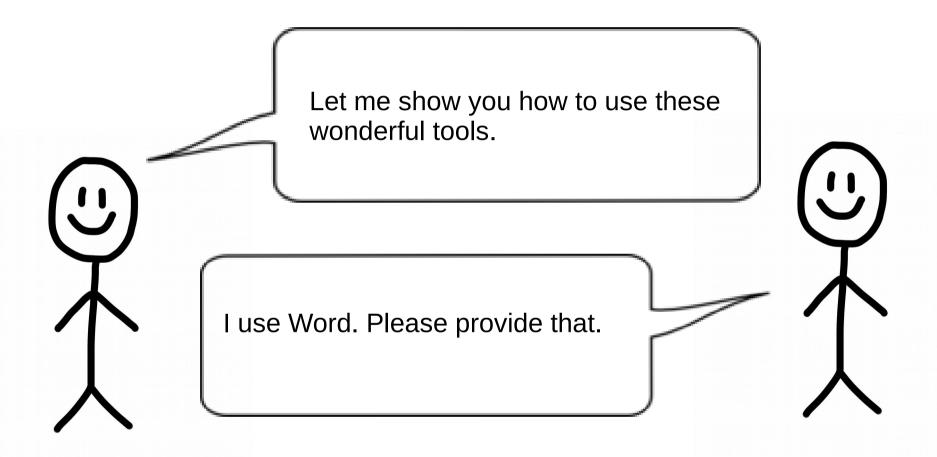
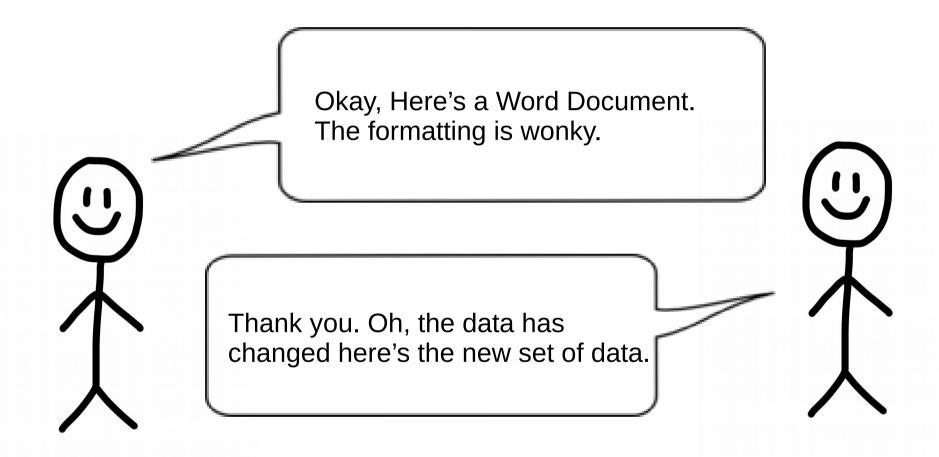
Full Circle Collaboration

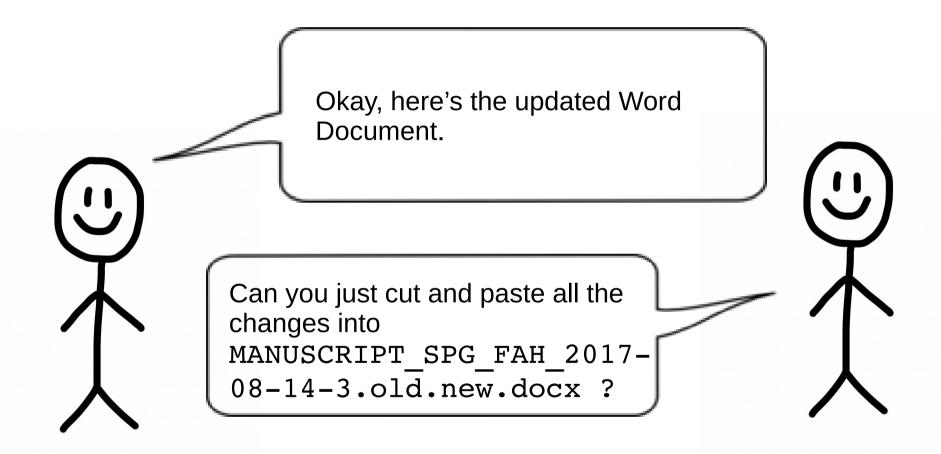
Vanderbilt Biostatistics

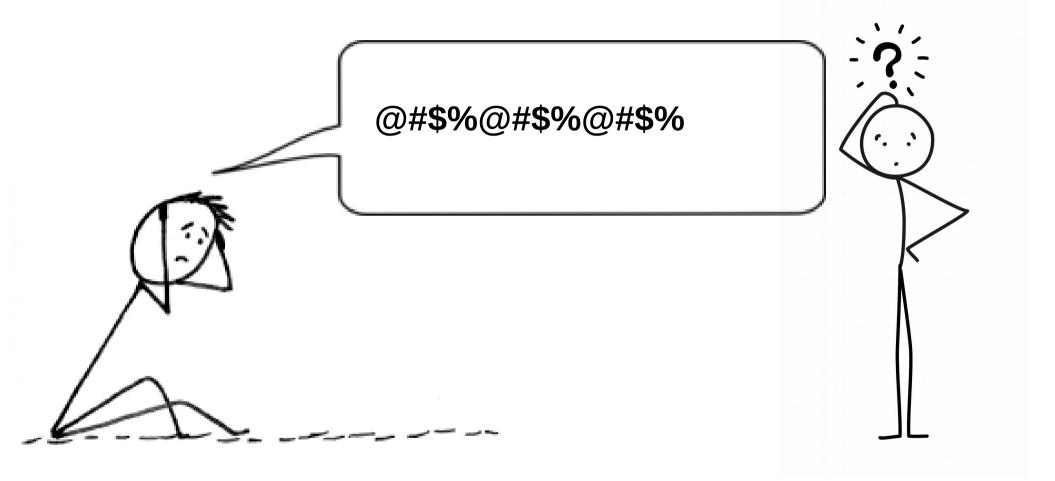
Shawn Garbett, Frank Harrell, Tom Stewart











Solution Requirements

- Traceability The ability to trace where a value or statement came from easily upon review of a document.
- Substitutability Given a new set of data, the ability to rerun all analysis and automatically update a downstream Word document.
- Integration Integrates with existing R / Rmarkdown tool set that is used for Biostatistics report production.

Tools Produced

- Tangram R package that produces tables and statistics directly from data set with keyed index.
- Generates Word Document with unique key tied to generation of data in comments.
- Can trace source of any copy and pasted value from original report.
- Can regenerate target word document from new data a list of key, values and a macro will substitute this in a Word document.
- See: Tangram R package Vignette on github.com