



RETICULATE RSTUDIO AND YOUR R CODE WITH PYTHON!

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Outline

- Choosing the "best" software tool or language for the job
 - Set-up {reticulate} after installing miniconda
 - How to use the Python repl in RStudio
 - How to create, edit and run Python scripts in RStudio
 - Weaving Python into R Markdown
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The data science software stack

Type of tools needed:

- Programming language
- Code editor
- Version control software

Examples:



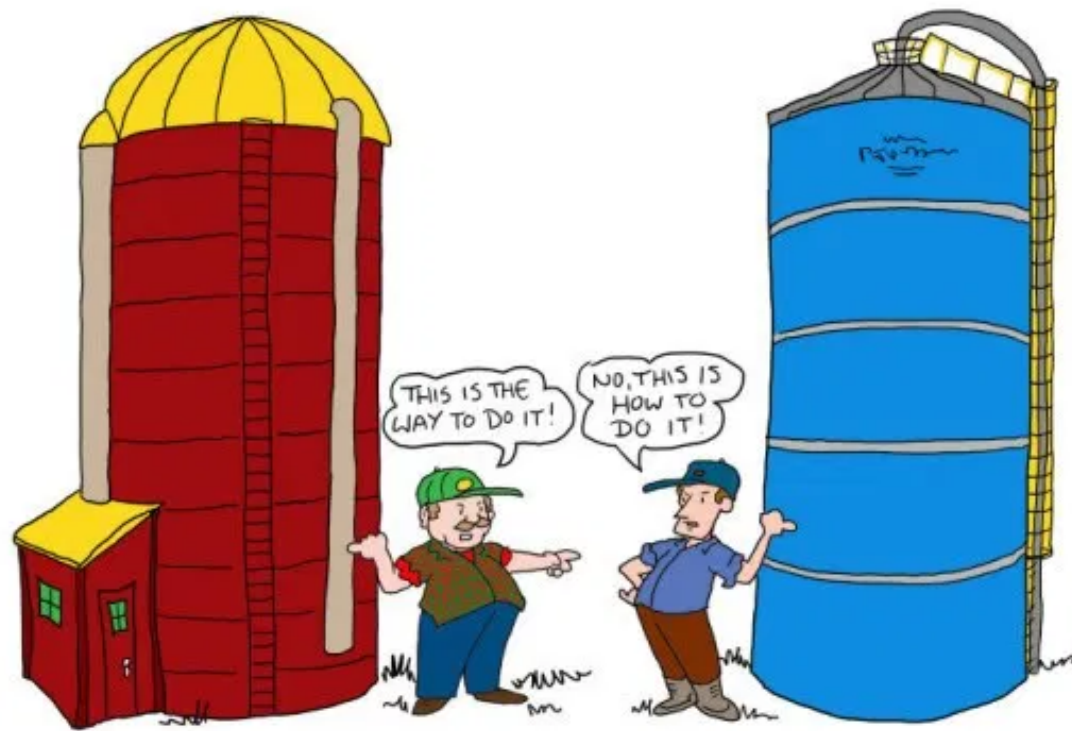
Choosing the "best" tool for the job

As long as the tools allow you to meet the following criteria for your analysis, they will be suitable for data science:

1. Reproducible and auditable
2. Accurate
3. Collaborative

Parker, H. (2017), Opinionated Analysis Development.
PeerJ, doi: [10.7287/peerj.preprints.3210v1](https://doi.org/10.7287/peerj.preprints.3210v1)

Choosing the "best" tool for the job



Source: <http://thecontextofthings.com/2015/11/11/work-and-certain-skills-belonging-to-a-few-people/>

Avoid the language wars... silos are worse than not choosing the "perfect" tool.

Choosing the "best" tool for the job



Source: <https://chatsworthconsulting.com/2015/01/29/why-it-is-imperative-to-break-down-silos-now-and-five-ways-to-do-it/>

Sharing of tools and workflows connect silos and leads to collaboration and success
