How reproducible am I?

A retrospective on a year of commercial
data science projects in R

@deanmarchiori

deanmarchiori.github.io

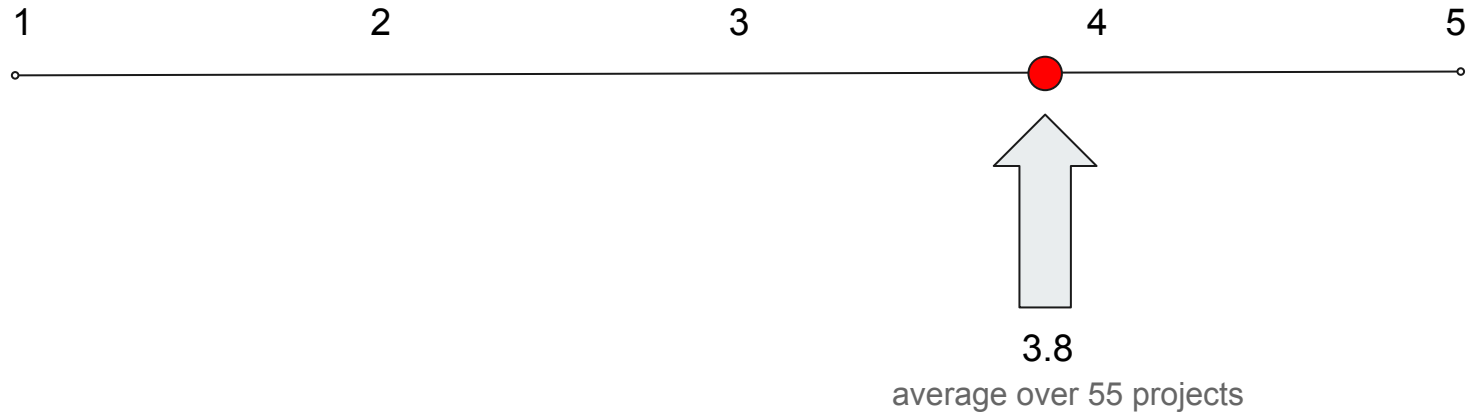# Reproducibility Retrospective (REPRO-RETRO)

Reproducibility Retrospective (REPRO-RETRO)

Replicable	1 ○	2 ○	3 ○	4 ○	5 ◉
Modular	1 ○	2 ○	3 ◉	4 ○	5 ○
Auditable	1 ○	2 ○	3 ◉	4 ○	5 ○
Automated	1 ○	2 ○	3 ○	4 ○	5 ◉
Collaborative	1 ○	2 ○	3 ○	4 ◉	5 ○

My score was....

1   2   3   4   5
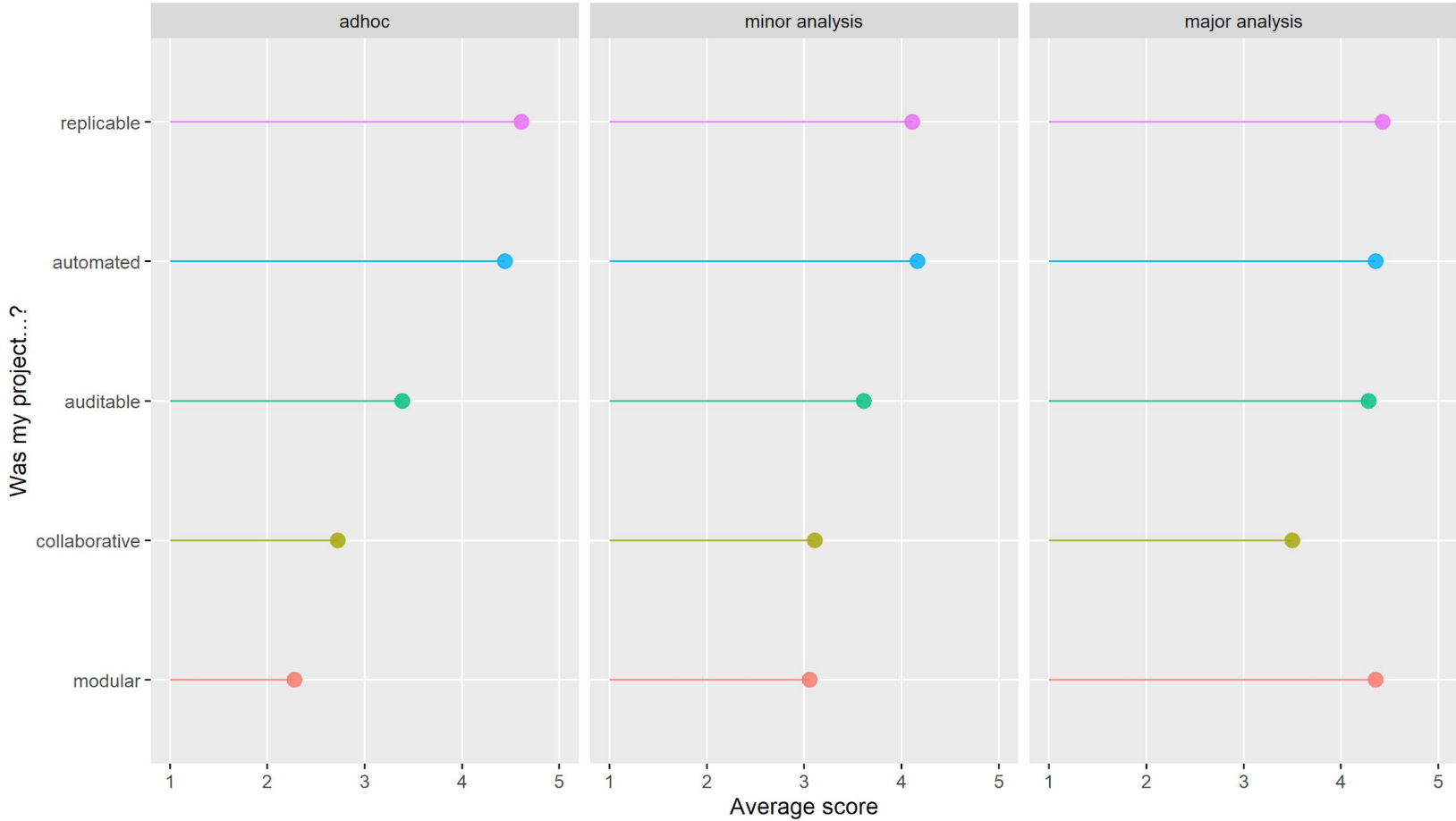
3.8

average over 55 projects

Not everything needed to be reproducible

Fiji test

Different types of projects may have different standards
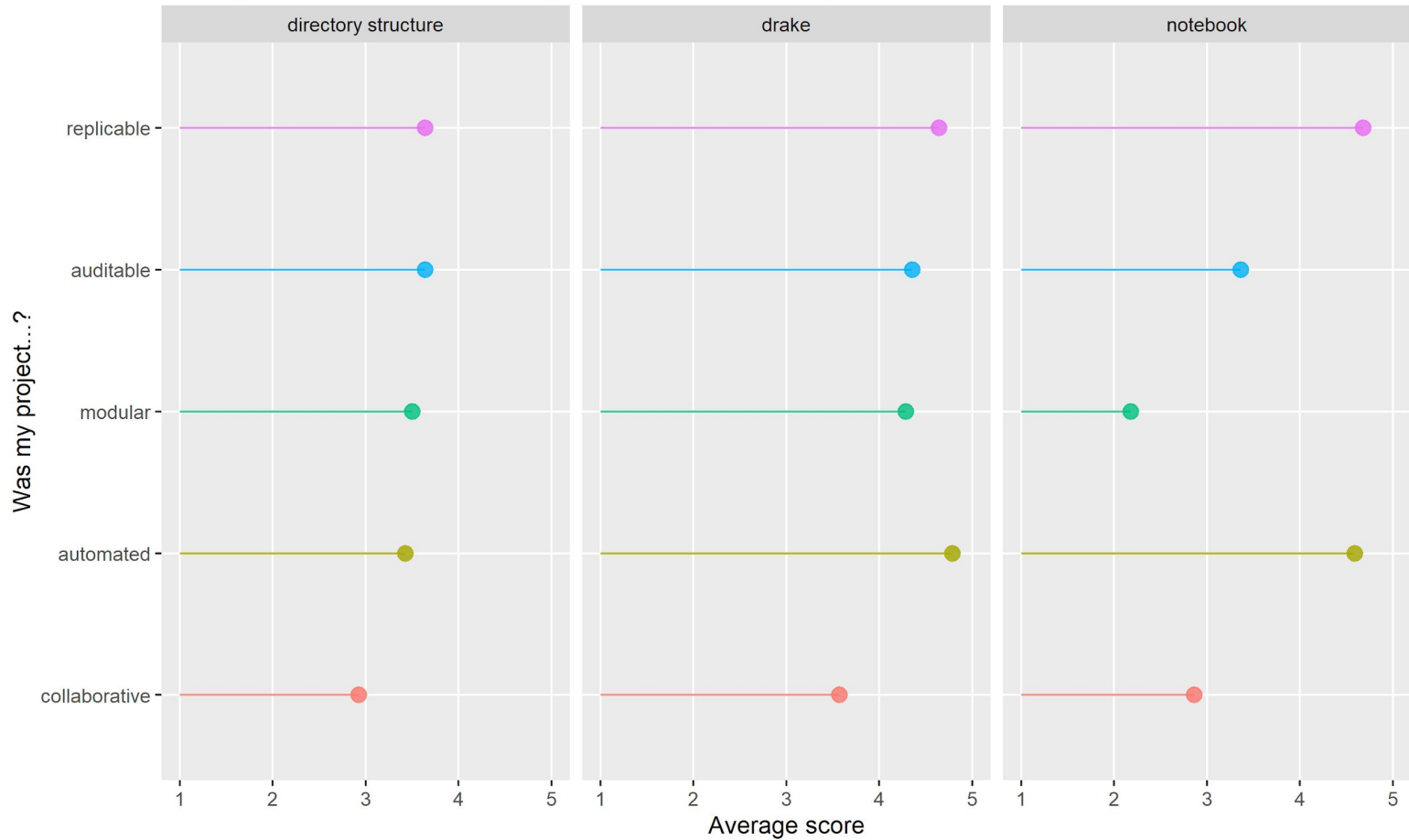Making deliberate trade-offs for more minor work can balance progress and perfection

| | adhoc | minor analysis | major analysis |

Pick the right tool for the job

Workflow choices really matter
The way I use different workflows impacts how reproducible my work is

replication ≠ reproduction

replication ≠ reproduction

automation ≠ reproduction

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Do a REPRO-RETRO

🐦 **[@deanmarchiori](#)**

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🐙 **[deanmarchiori/analysis-flow](#)**

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Miles McBain @MilesMcBain
RStudio @rstudio