The Multiverse of Multi-labs. Methodological and Statistical Aspects of Multi-Lab and Multiverse Studies.

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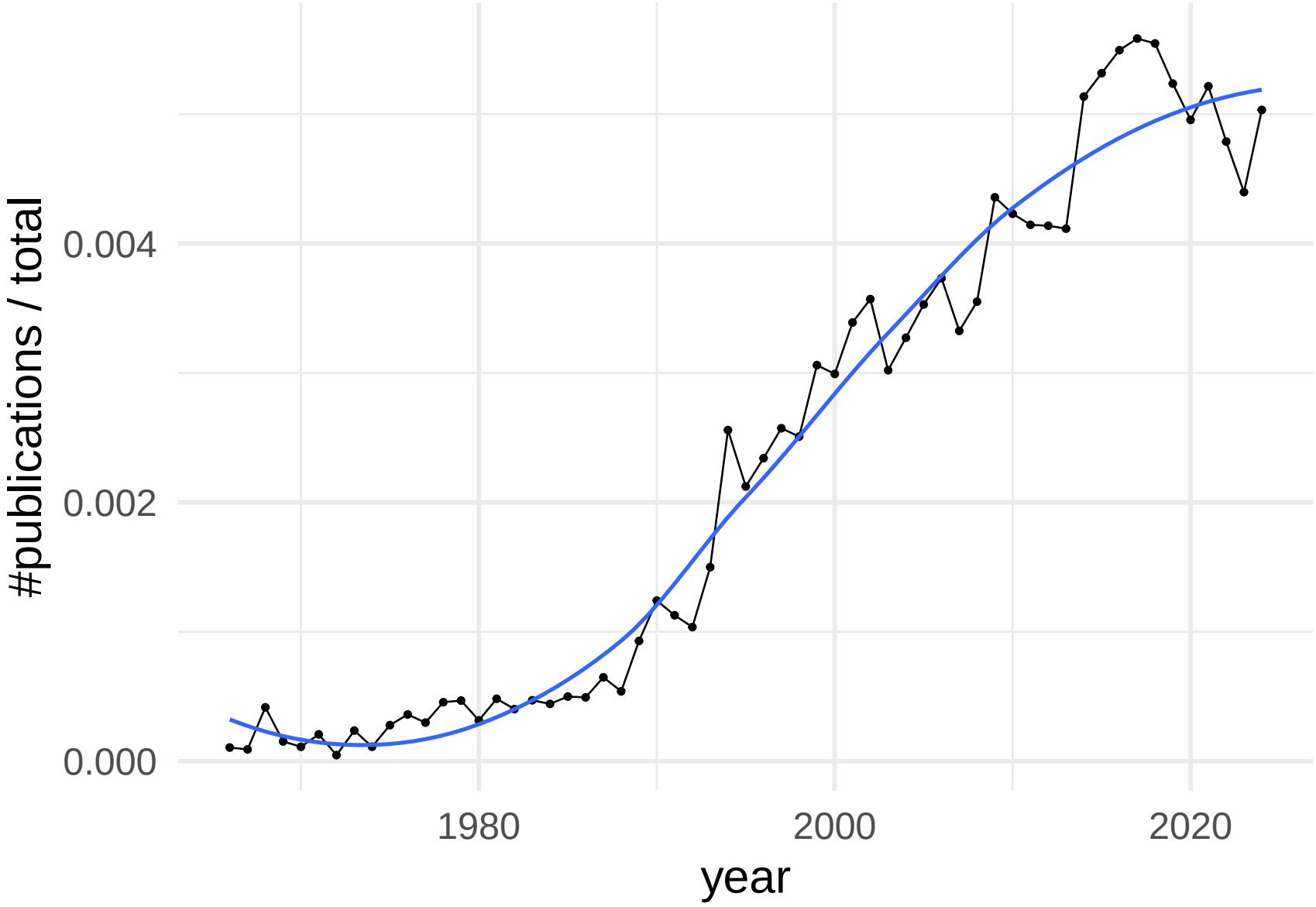
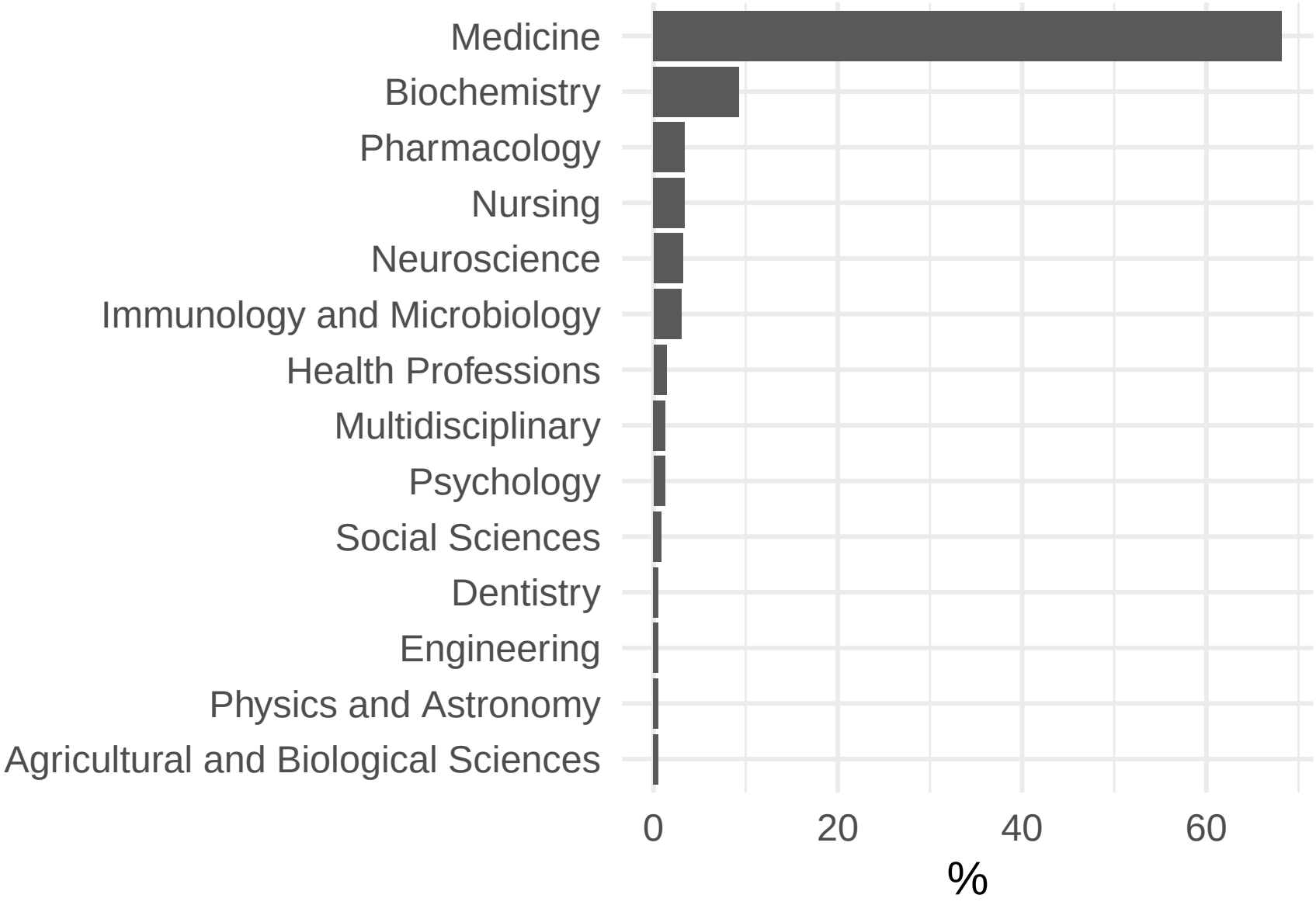
Relevance of multilab studies



Multilab studies across disciplines



Multilab studies are complex

- accurate statistical planning and protocol development

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- accurate statistical planning and protocol development
- organizing the data collection

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- data sharing and open science practices

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- data analysis

Multilab studies are complex

- accurate statistical planning and protocol development
- organizing the data collection
- data sharing and open science practices
- data analysis
- new procedures and standards for publishing

Type of multilab studies

- multilab studies

Type of multilab studies

- multilab studies
- multilab replication studies

Type of multilab studies

- multilab studies
- multilab replication studies
- many pipelines projects

Type of multilab studies

- multilab studies
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- ...

Some examples

The impact of research degrees of freedom

Empirical Article

Advances in Methods and
Practices in Psychological Science
2018, Vol. 1(3) 337–356

DOI: 10.1177/2515245917747646
www.psychologicalscience.org/AMPPS

Many Analysts, One Data Set: Making Transparent How Variations in Analytic Choices Affect Results

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The robustness of published research

RESEARCH ARTICLE SUMMARY

PSYCHOLOGY

Estimating the reproducibility of psychological science

Open Science Collaboration*

A multilab hypothesis

nature human behaviour

Registered Report

https://doi.org/10.1038/s41562-022-01458-9

A multi-lab test of the facial feedback hypothesis by the Many Smiles Collaboration

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