

Enabling Meta-Analysis with a Research Data Repository

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Compare results from multiple studies to demonstrate stronger evidence of trends

Meta-analysis

A well-established method to systematically assess previous research and to draw conclusions about a body of scientific inquiry.

- Typically compares published results from different studies
- Tool for evidence-based research

Research Data Repositories

Repositories make research data available for secondary analysis.

- Data may be grouped or searchable by a common topic or theme
- Common variables may be grouped

Meta-analysis + Repositories

A powerful combination.

Using a F.A.I.R. (Findable, Accessible, Interoperable, Reusable) repository, researchers can compare results directly from data and produce comparable estimates from similar data.

Share

- Cataloging
- Disclosure risk review
- Tiered access

Discover

- Metadata
- Search and compare
- Explore data

Replicate

- Common data formats
- Standardized codebooks

Compare

- Data from similar studies
- Comparable regressions

Takeaways

Increases in the availability of data for secondary analysis create opportunities to compare similar results from multiple studies.

Results from multiple studies provide stronger evidence of differentials and trends.

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