

We developed and evaluated a set of **criteria** to **standardize the documentation** of research synthesis **processes** and **data** across various review types and **improve reproducibility**.

Towards FAIRer Data

Tailored Guidelines
for Enhanced Reproducibility of Research Syntheses
in Psychology and Education

Review Types Decision Tree

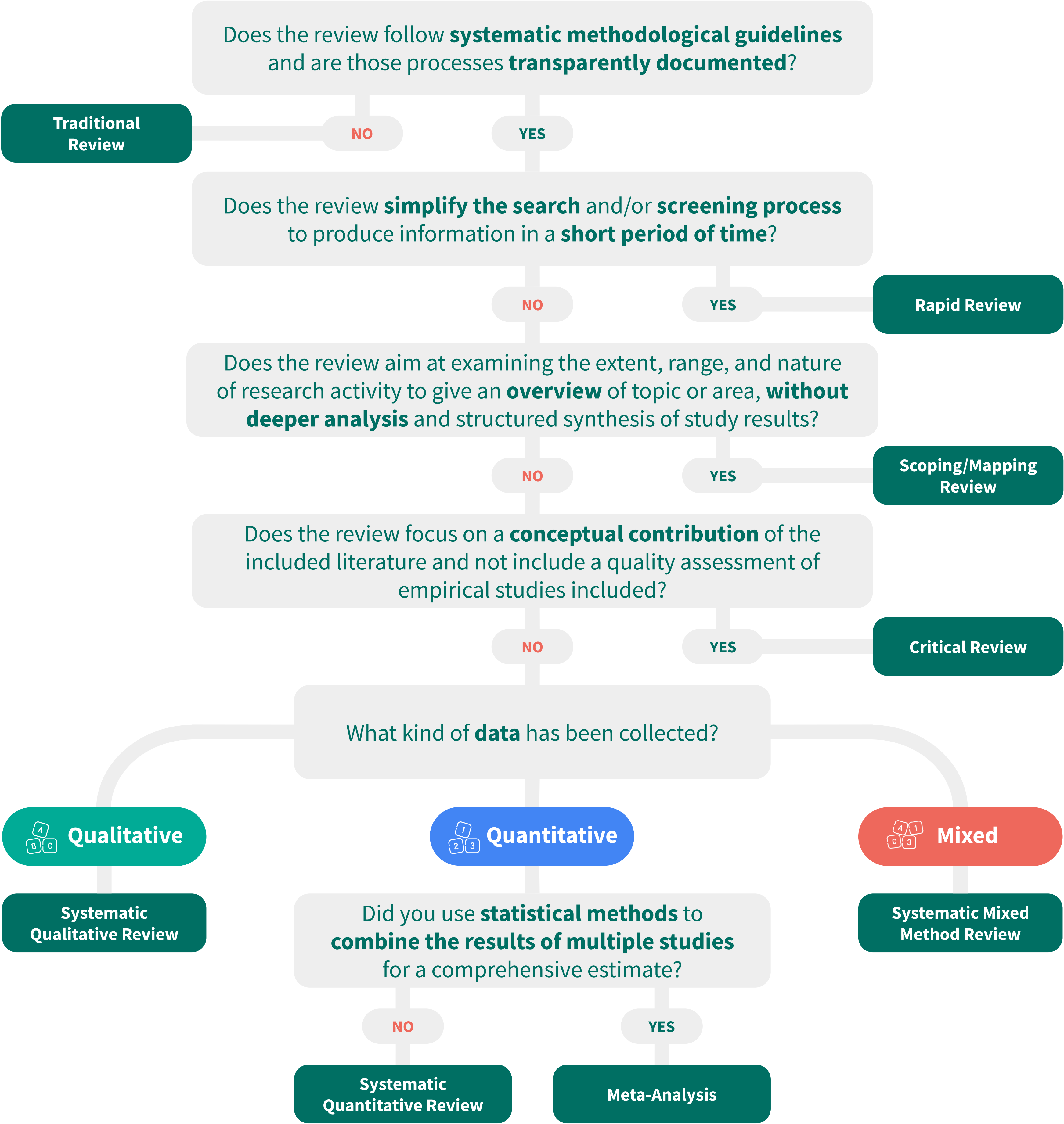


Fig. 1: Decision tree for determining the type of review.

Criteria for Documentation

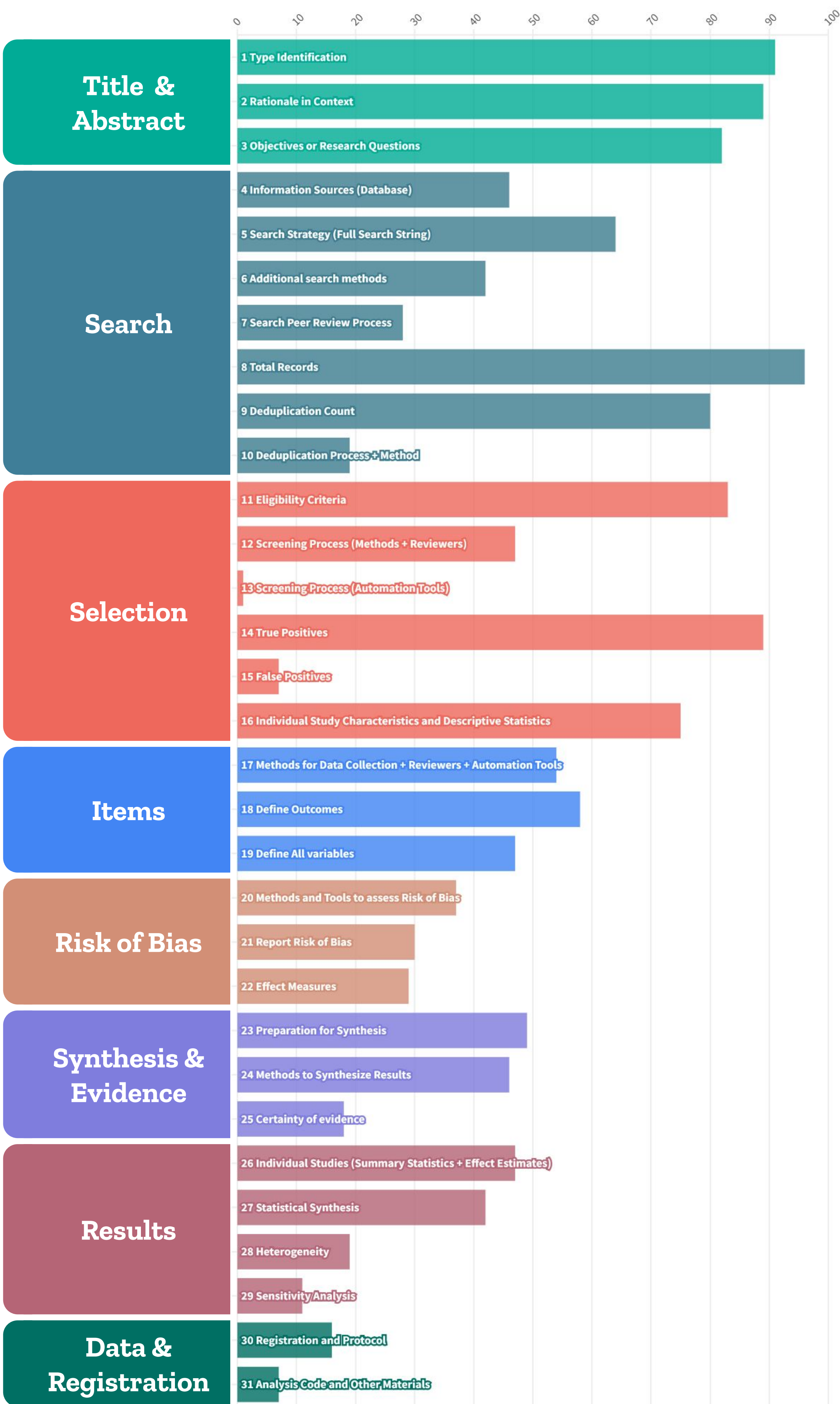
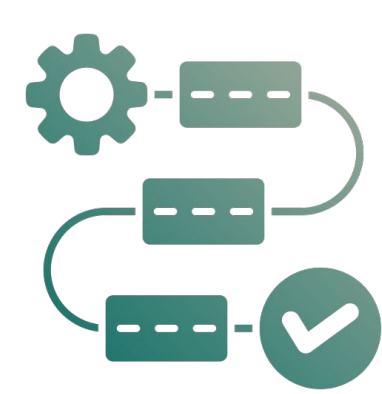
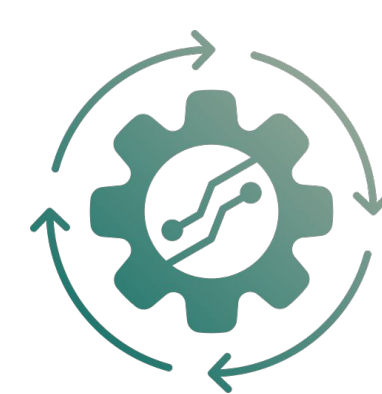


Fig. 2: Adherence to criteria. Percentage of criteria reported.

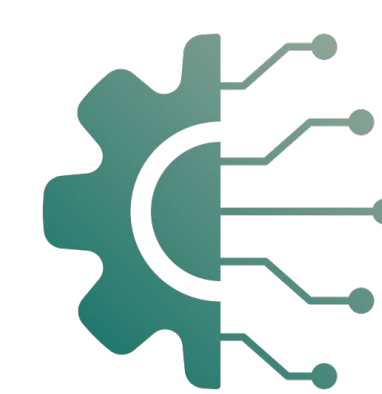
Advantages of Tailored Guidelines



Increased Reproducibility
well documented and curated
synthesis data



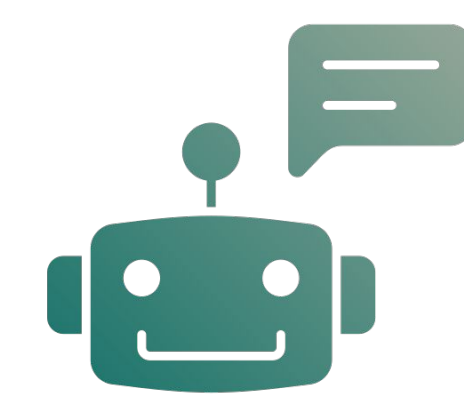
Enhanced Reusability
standardized documentation
accessible process data



Greater Interoperability
standardized process data



Streamlined Peer-Review Process
assessment based on
comprehensive documentation



Facilitated Automation
standardized process data enables
the use of automation tools

Tailored guidelines go beyond documenting individual processes and focus on comprehensive documentation of **process steps** and **data** to enable reproducibility, data reuse, transparency, and interoperability in research synthesis efforts and pave the way for **automation**.

Supplementary
Material

