**LITMICE**

A systematic review investigating how the R package {mice} (van Buuren & Groothuis-Oudshoorn, 2011) is used and reported in applied research literature.

**Data collection**

We will perform a SCOPUS search to find eligible literature. We will use the inclusion criteria:

* Article (no book chapters, reviews, etc.);
* Published in 2020;
* Written in English;
* Cites the {mice} package as one of the references.

**Data selection/pre-processing**

We will use ASReview (van de Schoot et al., 2021) to search within the literature for relevant articles. Inclusion criteria are:

* Applied research (no methodological research, simulation studies, clinical trial protocols, etc.);
* Full text is available.

**Data analysis**

We will analyze how {mice} is reported in the selected papers. We expect that most papers do not provide the information that is required to assess the quality of the missing data methods (e.g., sensitivity analyses), or to reproduce the procedure (e.g., the number of iterations in the mice algorithm).

**References**

Van de Schoot, Rens, De Bruin, Jonathan, Schram, Raoul, Zahedi, Parisa, De Boer, Jan, Weijdema, Felix, … Oberski, Daniel. (2021, January 18). ASReview: Active learning for systematic reviews (Version v0.16).

Van Buuren, S., & Groothuis-Oudshoorn, K. (2011). mice: Multivariate Imputation by Chained Equations in R. *Journal of Statistical Software*, *45*(1), 1–67.