

## Reporting checklist for the evaluation of imputation methodology

---

### ☐ **Aims**

e.g. simulation scope

---

- ☐ simulation design (incl. pseudo-code or flow diagram)
  - ☐ required level of precision (incl. number of simulation repetitions)
- 

### ☐ **Data-generating mechanisms**

e.g. data generation and missingness generation

---

- ☐ data source (incl. model-based or design-based, sampling variance)
  - ☐ data characteristics (incl. multivariate relations and data structures such as clustering)
  - ☐ missingness mechanisms (incl. type or functional form of the missing data model)
  - ☐ missingness patterns (incl. missingness proportion)
- 

### ☐ **Estimands**

e.g. complete data target

---

### ☐ **Methods**

e.g. missing data methods and analytic method

---

- ☐ imputation methods (incl. parameters such as the number of imputations)
  - ☐ estimation method (incl. reference methods such as complete case analysis)
- 

### ☐ **Performance measures**

e.g. evaluation of estimates and imputed values

---

- ☐ statistical properties (incl. comparative performance, if applicable)
  - ☐ validity of imputations (incl. imputation model fit and distributional characteristics)
-