

Inclusion Guideline

This document guides the inclusion of eligible articles in the study about the adherence of empirical software engineering research papers to analysis guidelines for crossover design experiments.

Inclusion

The following criteria guide the inclusion of primary studies in our sample. The candidate subjects are peer-reviewed articles citing Vegas et al. [1], according to Google Scholar. An article is included for the data extraction step if it meets all of the following inclusion (In) and none of the following exclusion criteria (Ex).

ID	Name	Criterion
In1	SE	The article is related to software engineering.
In2	Empirical	The article contains an empirical study as a main contribution.
In3	Experiment	The empirical study is an experiment comparing at least two levels (e.g., baseline and treatment) of a main factor.
In4	Crossover	The experiment utilizes a crossover design in which all subjects are administered all levels of the main factor.
In5	Humans	The subjects of the experiment are humans.
Ex1	Accessibility	The article is not available by the BTH access program.
Ex2	Language	The article is not written in English.
Ex3	Duplicate	The article is extended by or a duplicate of an already included article.
Ex4	Grey	The article is not peer-reviewed (e.g., a thesis or blog post).

All included articles will be subject to data extraction, as explained in the extraction guideline.

References

[1] Vegas, S., Apa, C., & Juristo, N. (2015). Crossover designs in software engineering experiments: Benefits and perils. *IEEE Transactions on Software Engineering*, 42(2), 120-135.