

Reviewing the Place of the Systematic Review

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Abstract

Systematic reviewing is a technique for bringing scientific rigour to a computer science literature review, pioneered by Barbara Kitchenham (Kitchenham, 2004). Specifically, Kitchenham’s systematic reviews utilise concepts from the field of medical research to create literature reviews which are repeatable, and produce statistical and empirical results. The technique is posited as a tool for software engineering research. 12 years after Kitchenham’s original guidelines were set for structuring a systematic literature review, the technique has seen widespread adoption — but the original guidelines raise questions and note possible issues with the method. With a wide set of samples to choose from, a review of these systematic reviews may highlight whether these concerns are worth revisiting, before Kitchenham’s guidelines — or other methods derived from them — become standard practice for the software engineering research community.

1 Introduction

References

Barbara Kitchenham. Procedures for Performing Systematic Reviews. 2004.