

# Paper Six Summary

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## Reference

Rahman et al. [1] listed below.

## Important Keywords

**Cross-project defect prediction** Using data from one project to predict defects in another.

**Within-project defect prediction** Using data from previous releases of a project to predict defects in future releases. For new projects, the lack of historical defect data makes this kind of defect prediction almost impossible.

## Feature Extraction

**Motivational Statements** While within-project defect prediction can be very effective, new projects don't have the volume of data needed to create these models. Cross-project defect prediction models aim to help with this issue, but so far the results have largely been disappointing. The authors hope to show that cross-project defect prediction can be roughly as effective as traditional defect prediction by using a different set of measures, namely those based on a variety of tradeoffs of time-and-cost vs. quality.

## Possible Improvements

## Connection to Other Papers

## References

- [1] Foyzur Rahman, Daryl Posnett, and Premkumar Devanbu. Recalling the "imprecision" of cross-project defect prediction. In *Proceedings of the ACM*

*SIGSOFT 20th International Symposium on the Foundations of Software Engineering*, FSE '12, pages 61:1–61:11, New York, NY, USA, 2012. ACM.