Software Engineering Seminar (WS 2015)

Bayesian Inference using Data Flow Analysis

Description

The student shall investigate a specific novel software verification technique (Probabilistic Dataflow Analysis) and evaluate it. He/She shall present the results in the seminar. For the evaluation it is required to understand the background literature used to build up the method and derive/analyze strength and weaknesses. Furthermore the student shall investigate how the technique can be applied in realistic software development projects.

References

[1] Guillaume Claret, Sriram K Rajamani, Aditya V Nori, Andrew D Gordon, and Johannes Borgström. Bayesian inference using data flow analysis. In *Proceedings of the 2013 9th Joint Meeting on Foundations of Software Engineering*, pages 92–102. ACM, 2013.

Contacts

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