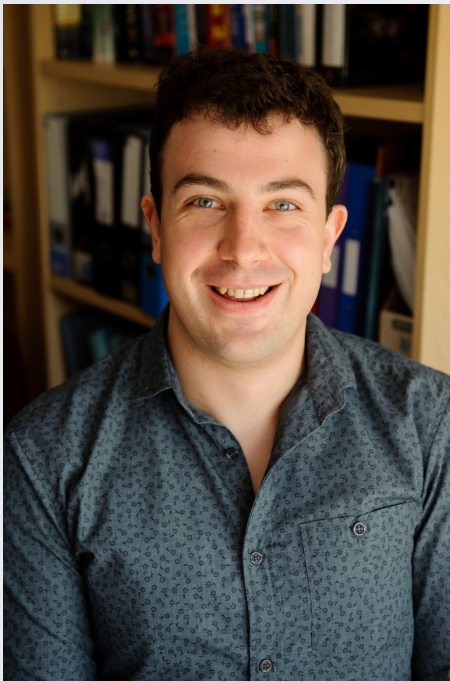


Using Model Transformation for Mutation Testing

Louis Rose

ABOUT

I teach and research software engineering.
Lecturer (York) since 2011.



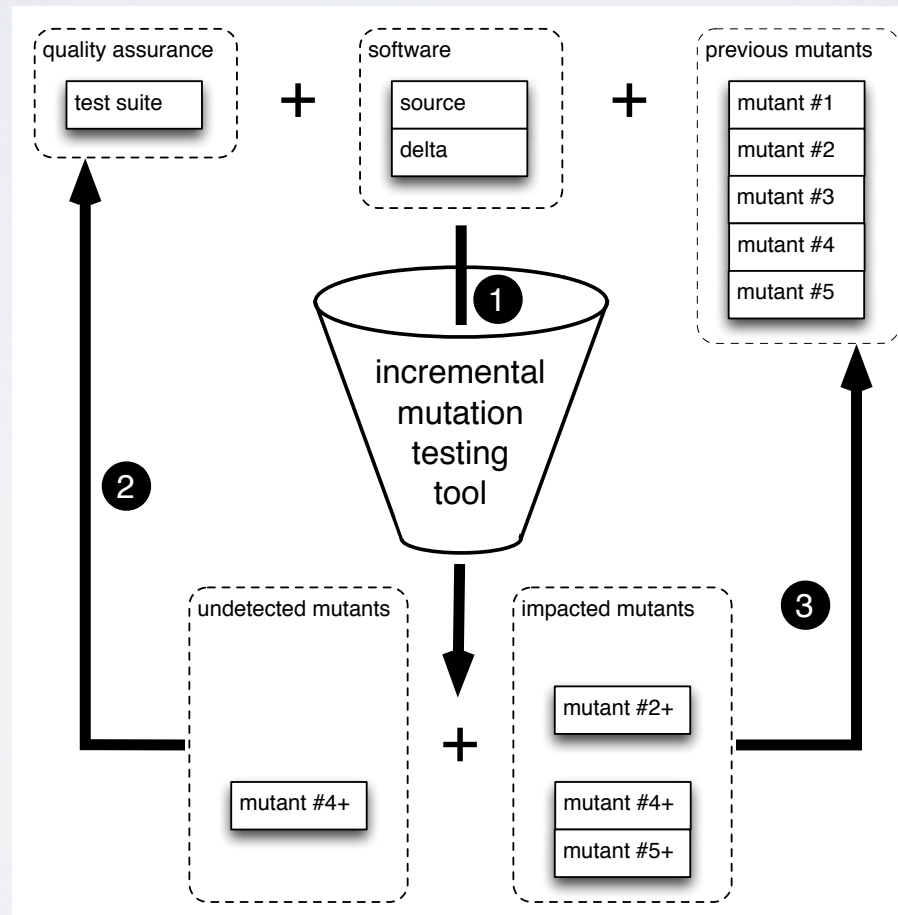
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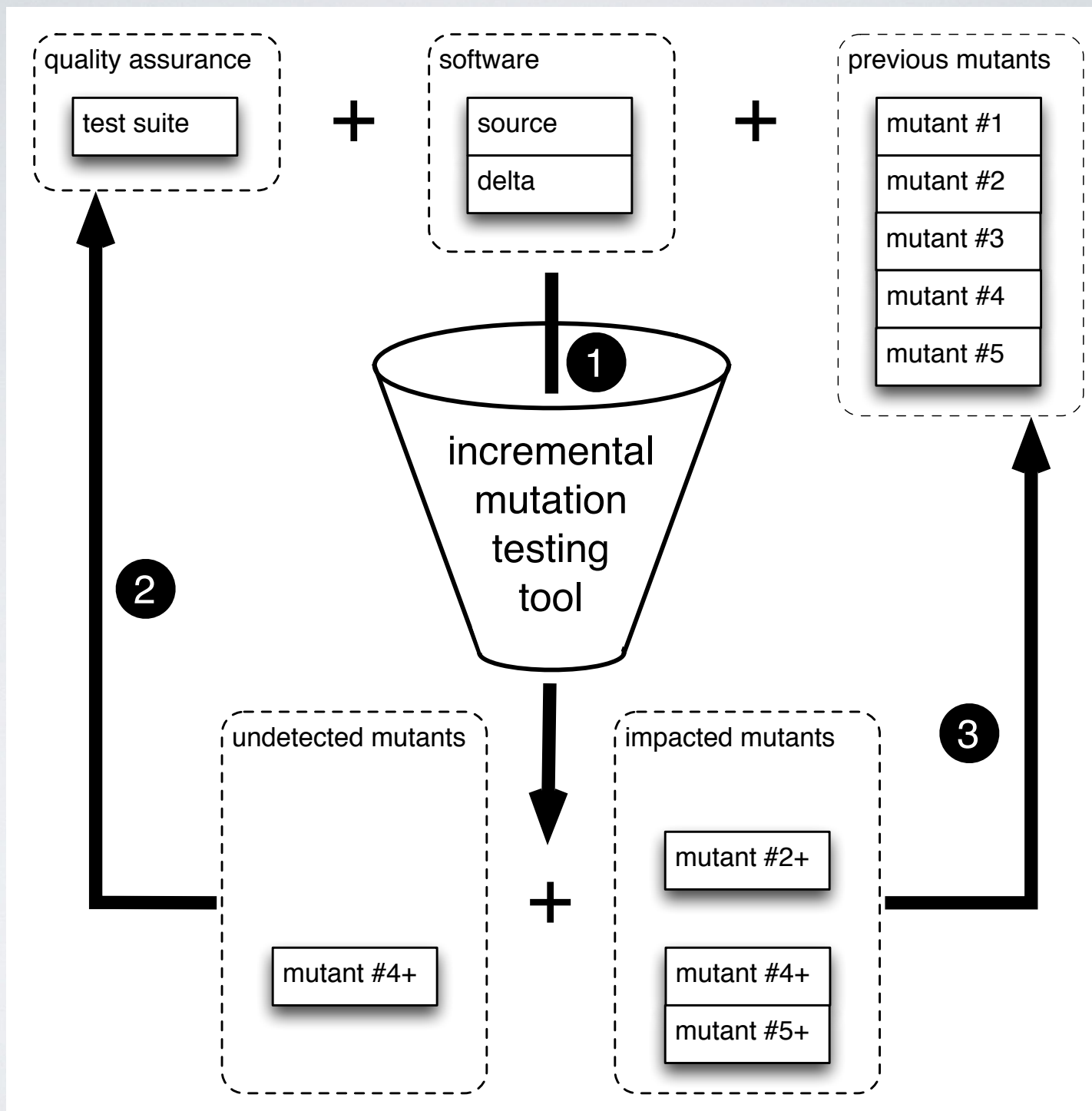
Investigate the extent to which **made-to-measure** testing can increase the quality of software.



CURRENT WORK

Applying model transformation to improve the efficiency of mutation testing.





POSSIBLE DISCUSSION POINTS

- Seeding faults is a model transformation. What are the benefits and drawbacks of applying model transformation to implement mutation testing?
- Verifying model transformations is challenging. To what extent can mutation testing be applied to alleviate these challenges?
- How might domain-specific modelling, model transformation and mutation testing be effectively combined to construct made-to-measure testing tools?