

How open was my PhD project?

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Thesis

Software

Publications

Summary

Thesis

“New Directions in Model Checking Dynamic Epistemic Logic”



- Combination of logic/mathematical parts and software.
- Includes published papers, but aimed for more “book” than “stapled together”.
- Website: <https://malv.in/phdthesis/>
 - **Errata**
 - Related Links etc.

Software

<https://github.com/jrclogic/SMCDEL>

(I cheat. There is also a private repository where I try stupid things before making them public ...)

Advantages:

- Forced to make documentation etc.
- Publicity: Other students found my work via github!

git \neq github.com

open source \neq free \neq gratis

<https://zenodo.org/>

- get a DOI for your software
- free eternal storage
- Example: <https://doi.org/10.5281/zenodo.3568325>

<https://github.com/m4lvin/dining-benchmark>

Reproducible Builds

Idea: Same code \Rightarrow same binary

This is harder than it sounds!

- libraries?
- build time?
- ...

For Haskell, `stack` solves many of these problems.

See also <https://reproducible-builds.org/>

<https://github.com/m4lvin/illc-phd-thesis-template>

Publications

Some of my papers ended up behind paywalls (Springer, OUP, ...)

Semi-solution: also put it on my own website and/or arXiv.

One of my papers is in a “flipped” fully open access journal, but . . .

- no DOI :-)
- no URL / page
- initially no indexing

⇒ arXiv can also be helpful *after publication!*

Summary

- Git is not the same as GitHub
- Zenodo.org is great!
- Make it as easy as possible to find and use your software!
 - People will find it and play with it!
- If your field is small, ensuring open access can be hard.
 - Especially with conferences.
 - arXiv etc. can help, also after publication.