

# Costs and benefits of sharing code

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2014 January 7

## my position

- ▶ everything out in the open since 2005
- ▶ all code
  - ▶ [github.com/davidwhogg](https://github.com/davidwhogg)
  - ▶ [trac.astrometry.net](https://trac.astrometry.net)
  - ▶ Astrometry.net kplr bart daft TheTractor emcee
- ▶ all papers and all grant proposals
- ▶ in every stage of development from birth
- ▶ all my group members are involved

# ethical issues

- ▶ reproducibility
- ▶ taxpayer support
- ▶ transparency
- ▶ **progress of science**

## costs

- ▶ getting scooped? but. . .
- ▶ embarrassment
- ▶ time
  - ▶ (if you want to avoid embarrassment)
- ▶ **email and support requests**
- ▶ licensing, ownership, agreements

# benefits

- ▶ priority (the opposite of getting scooped)
- ▶ pull requests & contributions
- ▶ **visibility & goodwill**
- ▶ re-use & citations
- ▶ feedback & bug catching
- ▶ moral high ground
- ▶ protections of licensing and academic standards

## conclusion

- ▶ we aren't running a hedge fund!
- ▶ publications & citations rule
  - ▶ sharing code increases both of these
- ▶ don't be embarrassed, we're changing the culture
  - ▶ (but you might end up writing a lot more email)