Structural behavioral economics

Working group

October 7, 2019

Visit us on Github

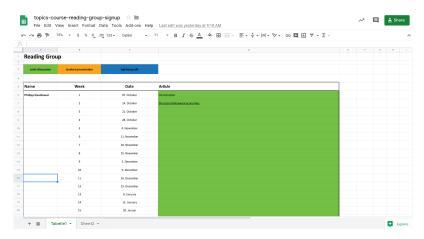
Motivation

General setup

- joint discussion of selected topic (45 60 minutes)
 - scientific computing
 - research article
 - research project
- student contributions
 - presentation (20 minutes, up to 10 slides)
 - lightning talks (5 minutes, no slides)

- Wednesday, noon
 - deadline for student contributions
 - announcement of selected topic
 - selection of student presentation
- Monday, lecture
 - joint discussion
 - student presentation (peer-grading)
 - lightning talks

Figure: Signup process



Tooling



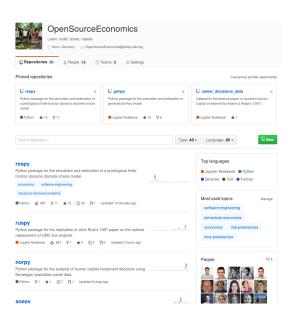






OpenSourceEconomics

We are a group of economists using computational models in the pursuit of our research. By adopting sound software engineering practices, we hope to leverage tools from computational science and increase the transparency and extensibility of our implementations. In doing so, we expand the set of possible economic guestions that we can address and improve the quality of our answers.

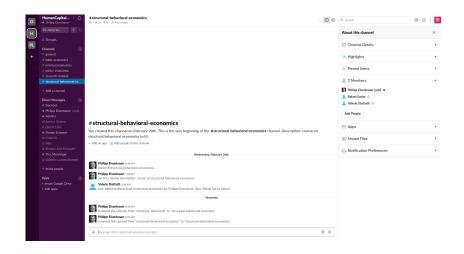


Communication

```
Slack http://bit.ly/human-capital-slack
    http://bit.ly/ose-slack

GitHub http://bit.ly/human-capital-github
    http://bit.ly/ose-github
```

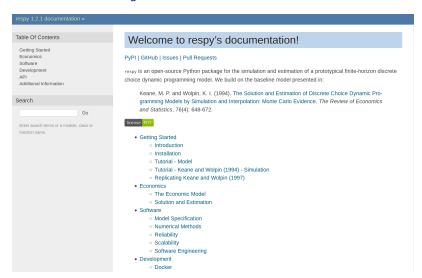
Figure: Communications



Neoclassical baseline

- ► Keane, M. P., & Wolpin, K. I. (1997). The career decisions of young men. *Journal of Political Economy*, 105(3), 473–522.
- respy. (2018). respy: An open-source package for the simulation and estimation of a canonical model of human capital investment. Retrieved from http:// doi.org/10.5281/zenodo.595547

Figure: Code documentation



Behavioral structural econometrics

▶ DellaVigna, S. (2018). Structural behavioral economics. In D. Bernheim, S. DellaVigna, & D. Laibson (Eds.), *Handbook of behavioral economics*. Elsevier.

Student project

Conclusion

Appendix

- DellaVigna, S. (2018). Structural behavioral economics. In D. Bernheim, S. DellaVigna, & D. Laibson (Eds.), Handbook of behavioral economics. Elsevier.
- Keane, M. P., & Wolpin, K. I. (1997). The career decisions of young men. *Journal of Political Economy*, 105(3), 473–522.
- Keshav, S. (2016). How to read a paper. Retrieved from http://blizzard.cs.uwaterloo.ca/keshav/ home/Papers/data/07/paper-reading.pdf
- Purugganan, M., & Hewitt, J. (2004). How to read a scientific article. Retrieved from http://www.owlnet.rice.edu/~cainproj/courses/HowToReadSciArticle.pdf

- respy. (2018). respy: An open-source package for the simulation and estimation of a canonical model of human capital investment. Retrieved from http://doi.org/10.5281/zenodo.595547
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