Open and Reproducible research: the new frontier

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1 January 2018

Open data an reproducible research

Summary

- ► The issue with verifiable research
- ▶ Open and reproducible research
- Data and open data
- Challenges

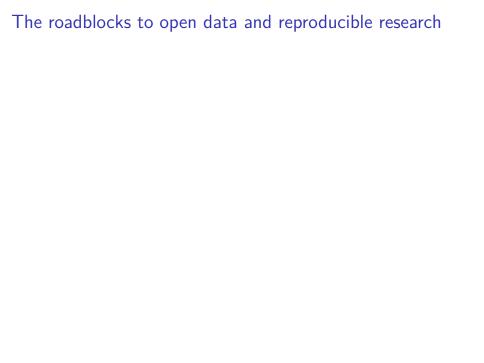
The issue with verifiable research

- The current process is peer review
- Requires knowledgeable reviewers
- System has been questioned recently





An ideal description of open reproducible, peer reviewed research



Open data, how do we deal with this

Why do we want open data do it, How do we do it, How to increase the value of data, Data publishing and data citation, data paper and data journal. Class activity. Describe how you shared data. In groups, what are the main ways they currently use to store and what actions do you have to take to share data. How easily have you accessed someone else's data?