Successful Online Socialization: Lessons from the Wikipedia Education Program

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Newcomers are essential for online production communities

But, they struggle to stay:

They are likely to <u>leave</u> ...

e.g. 60% of new Wikipedia editors make no edits after their first day on the site

Their contribution quality are likely to be poor

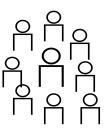
e.g. contributions from new Wikipedia editors are more likely to be reverted

Most online production communities provide little structure to support and socialize new members

... typically require newcomers themselves to figure out what they need to know in order to contribute to a project

A structured socialization program works well offline





Cohort support



Have clear tasks and goals



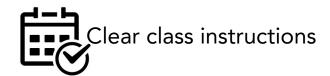
Have someone to guide us throughout the process

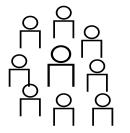
Jones, G. R. (1986). Socialization tactics, self-efficacy, and newcomers' adjustments to organizations. Academy of Management journal, 29(2), 262-279.

But does it work online? How?



Wiki Education Project (Wiki Ed): a unique case of online structured socialization





Cohort support: peer classmates





Weak cohort support: Work <u>individually</u>



Strong cohort support: Work in groups

We studied the success of Wiki Ed

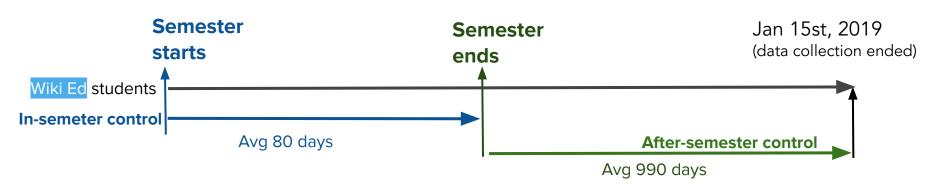
Collected students' editing and interactions data on Wikipedia from the time of their registration till 01/15/2019

4 semesters
Spring 2015 - Fall 2016

770 college courses

16,819 students

Compare Wiki Ed students vs. Two control groups



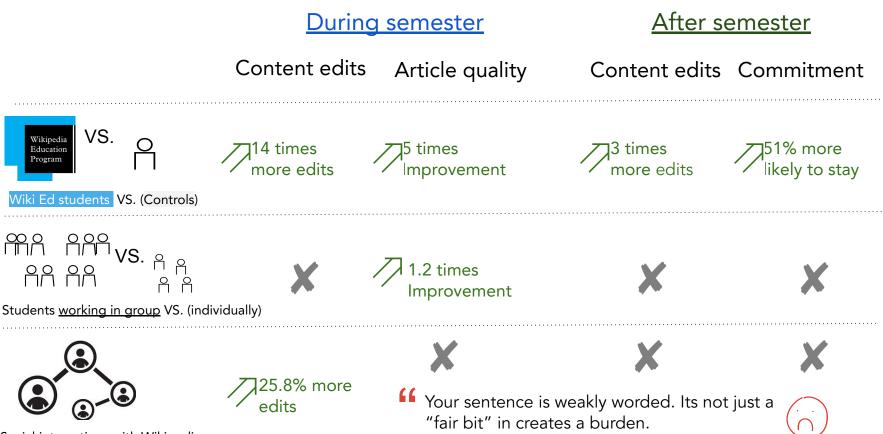
In-semester control: 16,819

- Matched based on the same registration time
- Compared **performance** during the semester
 - Quantity: total edits made to Wikipedia articles
 - Quality: the change in article quality scores

After-semester control: 16,819

- Matched based on the *registration time* same as
 Wiki Ed students' course ending time
- Compare **performance after** the semester
 - Quantity: total edits made to Wikipedia articles
 - o **Commitment**: assess survival of each editor

The Wiki Ed program improved effort, quality and commitment



Conclusions and Implications

- Wiki Ed is a successful intervention: it produced both <u>short-term</u> and <u>long-term</u> benefits for Wikipedia
- Structured socialization strategies strongly benefit newcomers in online production communities
 - More online production communities should bring in newcomers as a cohort and facilitate group work
 - Established members of the communities should have more constructive interaction with newcomers

Thank you!

Questions?

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