Quick Trigger on Stack Overflow: A Study of Gamification-influenced **Member Tendencies**









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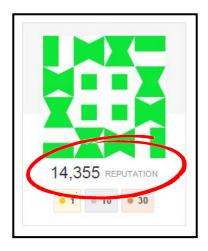




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Gamification in Stack Overflow (SO)

User Information

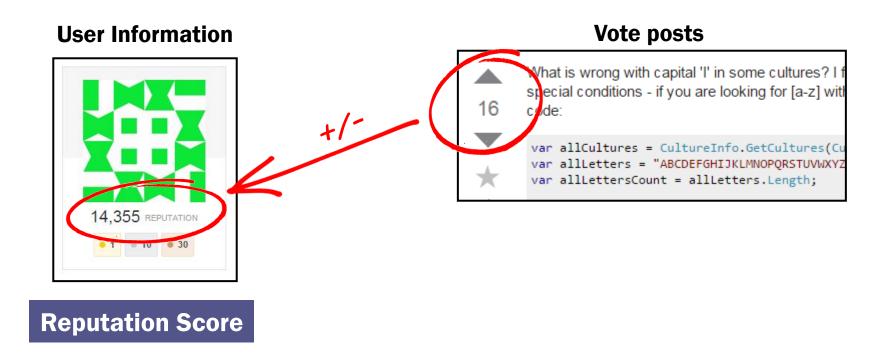


Reputation Score

Reward-driven gamification

For more info: http://stackoverflow.com/help/whats-reputation

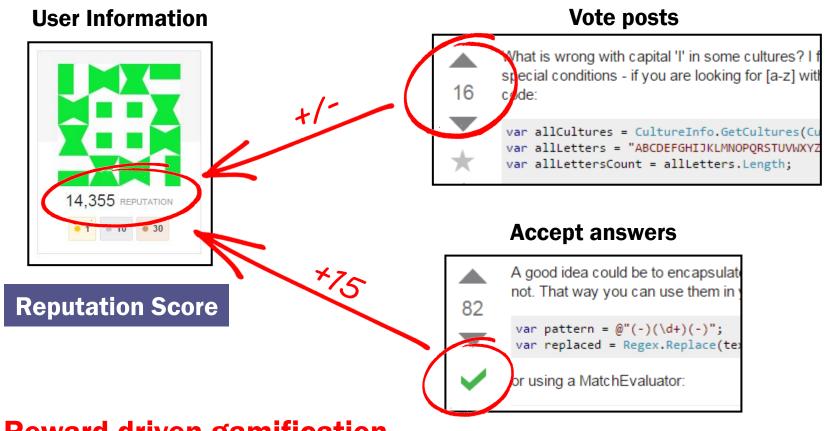
Gamification in Stack Overflow (SO)



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Quick Triggers

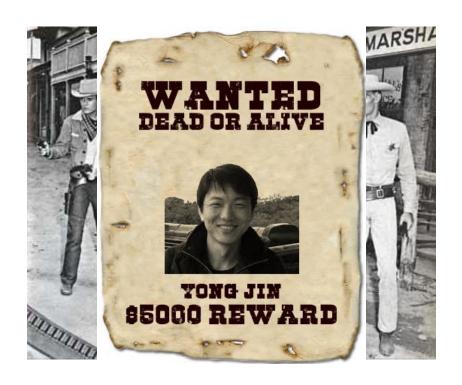




Western Movies

Q&A website

Quick Triggers Win Reward





Western Movies

Q&A website

Our Concerns



- Just for high score
 - Answer quick, in order to get more score
- We want to know:
 - How many Quick Triggers?
 - How about the quality?
 - Do they only answer easy questions?

Research Questions

- RQ1: Is Rapid Response (RR) widespread among community members?
- RQ2: Are most Accepted Answers(AA) related to RR?

 RQ3: Does member tagging tendencies change with RR?

Approach

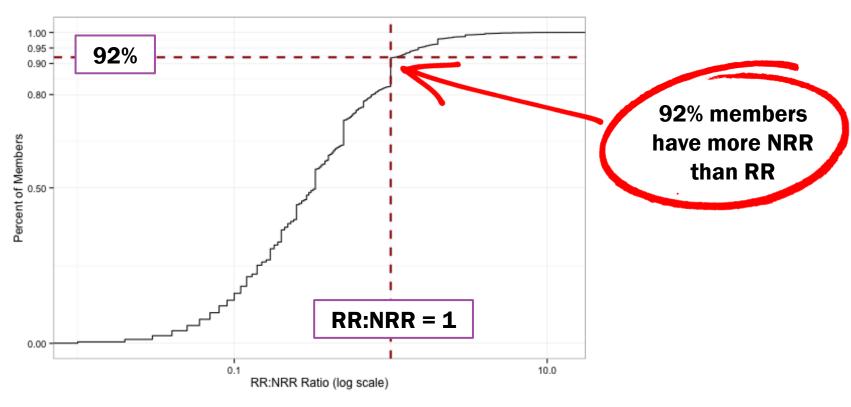
Defined Metrics

- Response Time (RT)
- Ratio of Accepted Answer (AA)
- Tag Score (TS)

Analysis with R

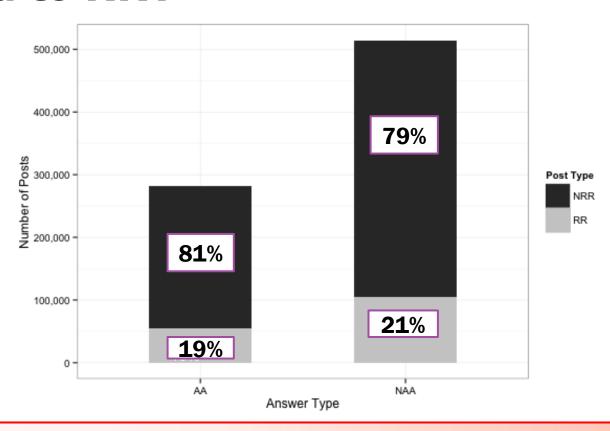
- Distribution of RT
- Distribution of NRR: RR
- Relation between AA and RR
- Distribution of TS

RQ1: Is RR widespread among community members?



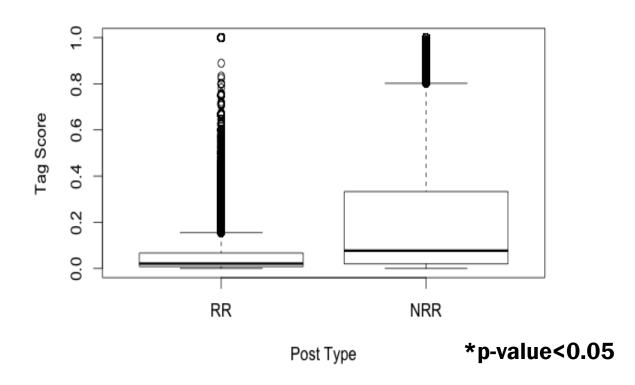
RR is not widespread among the community

RQ2: Are most Accepted Answers(AA) related to RR?



No direct relationship between AA and RR

RQ3: Does member tagging tendencies change with RR?

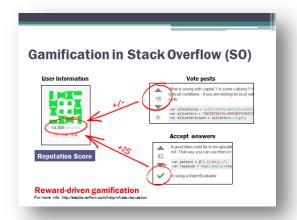


Tagging tendencies change in RR posts

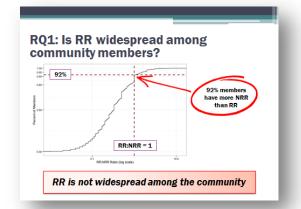
Discussion

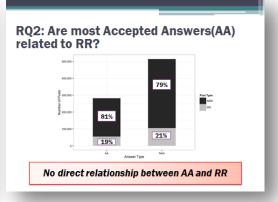
- Threats to validity
 - The threshold that using 80-20 rule
 - Dataset is not big
- Future work
 - Quality metrics between RR and NRR
 - Longer period of dataset.

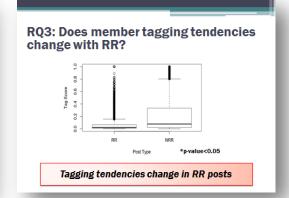
Conclusion













Nothing wrong with shooting, as long as the right people get shot.

- Clint Eastwood