

Don't Give Destructive Criticism in Code Review

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Software Code Review



I Am Devloper @iamdevloper

Code review can be:

- honest
- nice

Pick one...

Method – Online Questionnaire



Vignette style questions

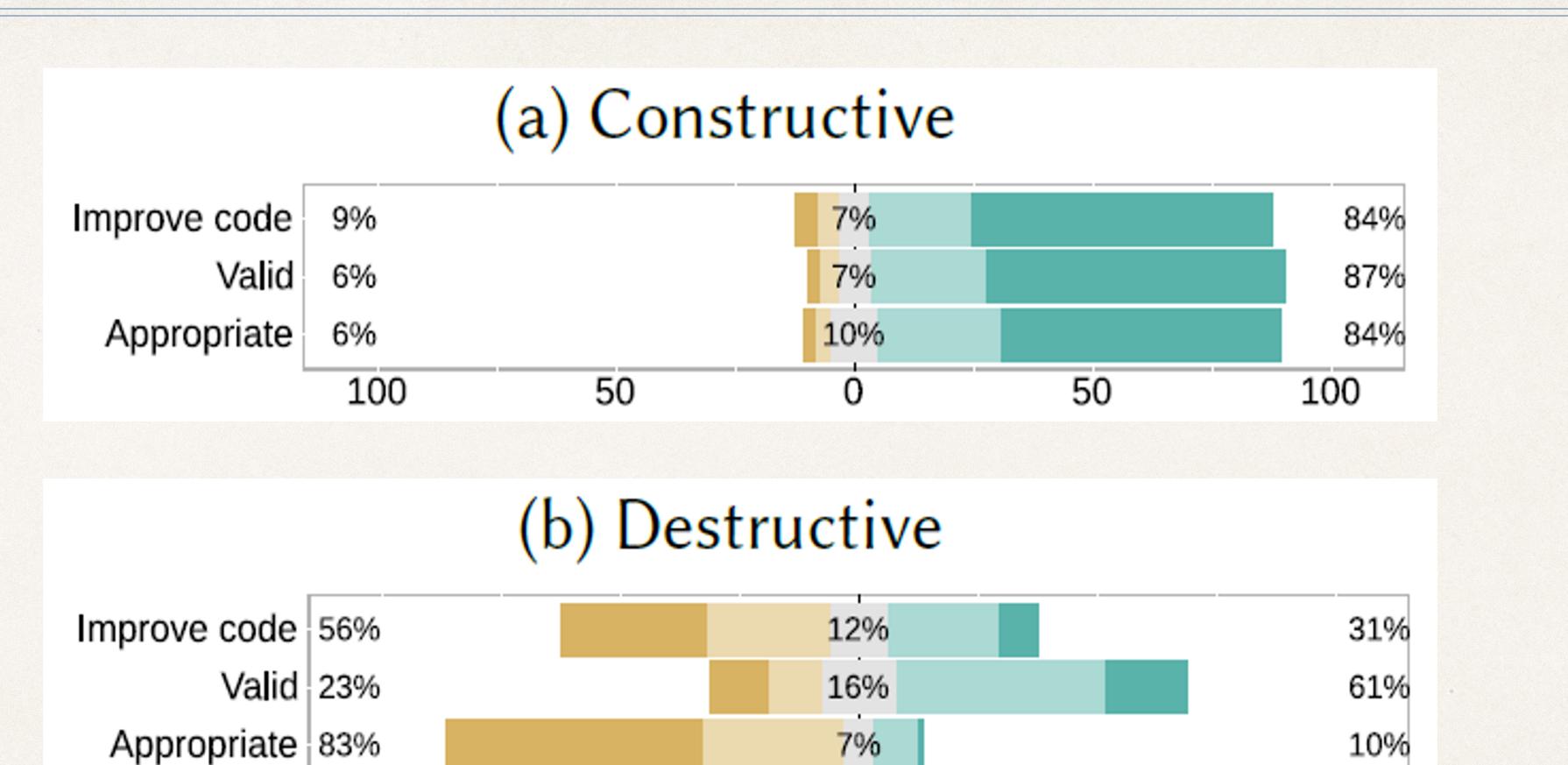
You don't need to protect instanceOf against null pointers

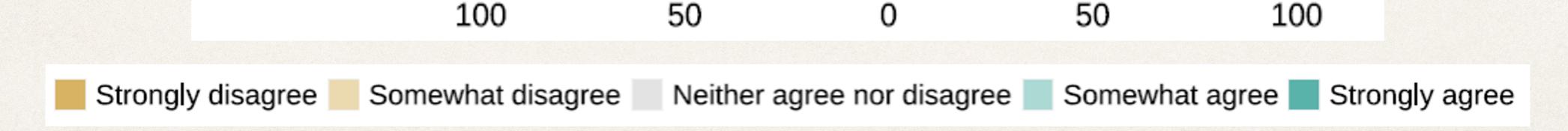
What the heck is this? We don't need a null check here...

Image source: ProSymbols on NounProject.com

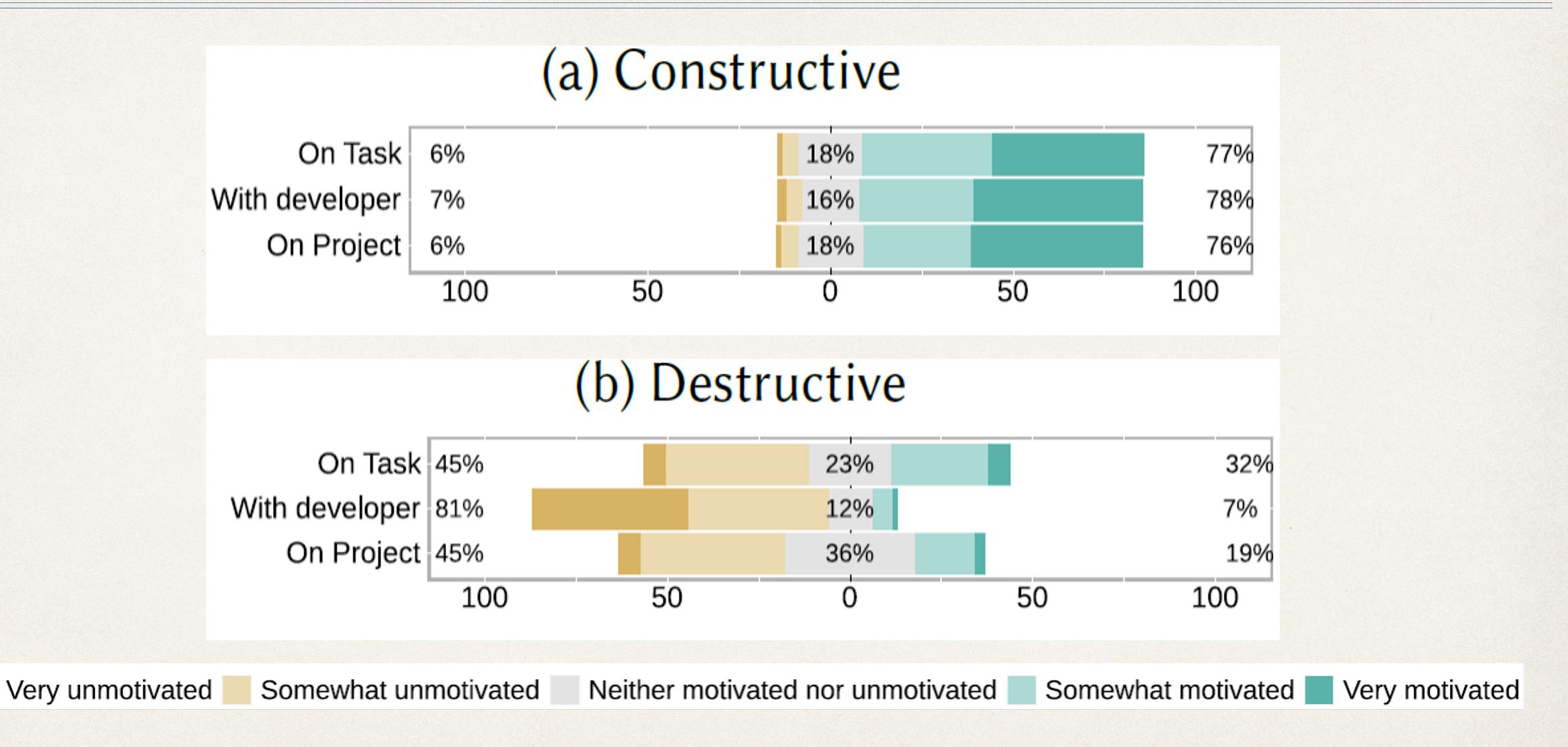
Sanuri Dananja Gunawardena, Peter Devine, Isabelle Beaumont, Lola Garden, Emerson Murphy-Hill, and Kelly Blincoe. 2022. Destructive Criticism in Software Code Review Impacts Inclusion. CSCW 2022.

Perceptions of criticism





Motivation to continue working



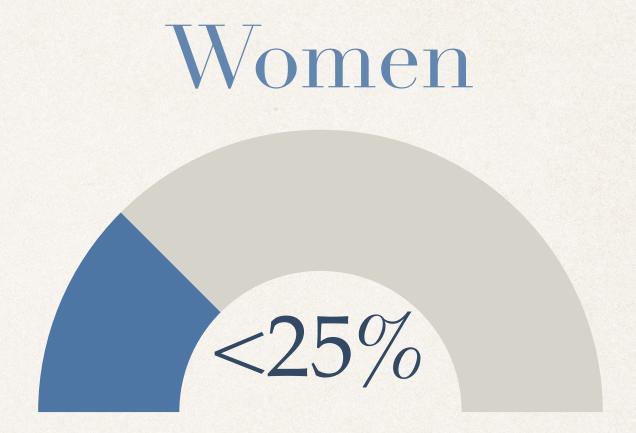
Demographic differences

* Women

- Perceive as less appropriate
- Less motivated

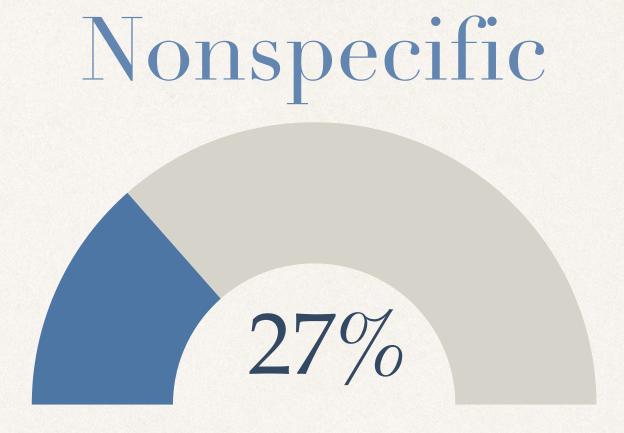
* Less experienced developers

Less likely to call it out

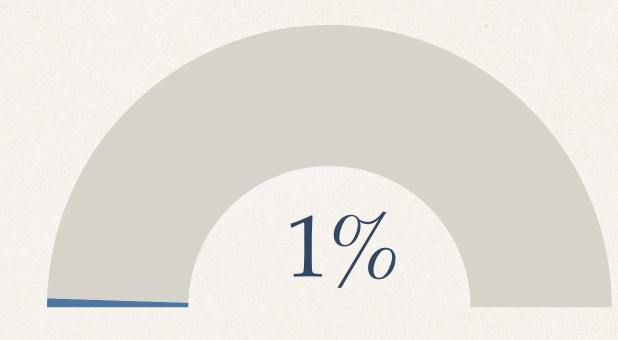


Frequency of Destructive Criticism

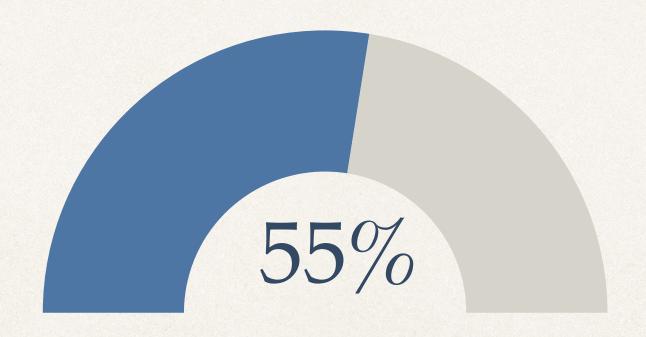
Report to Give

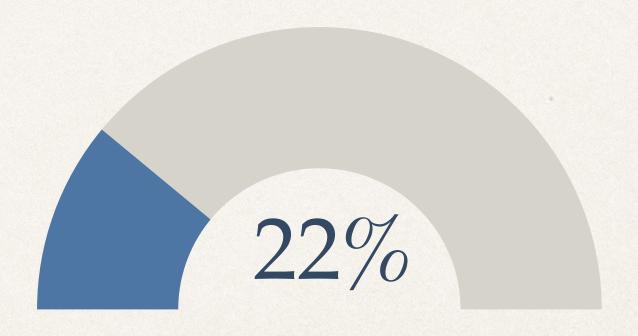




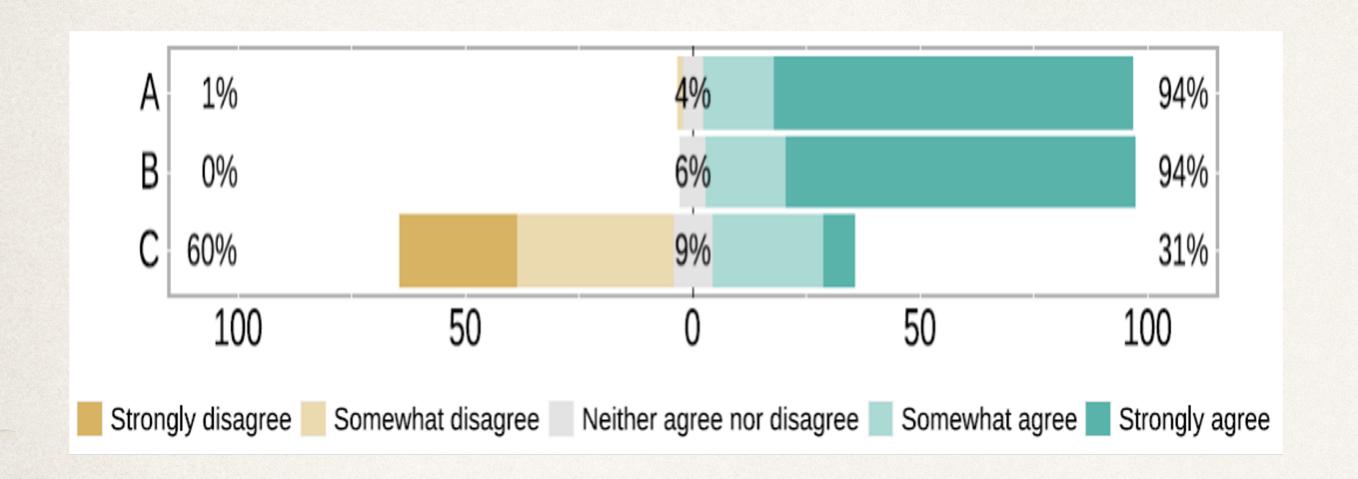


Report to Receive





General opinions on destructive criticism



'this is a hack' is not negative at all in my books. In technical discussions, I prefer direct wording to have-a-good-day sugarcoated expressions. It's just easier to parse and act upon, though may sometimes appear harsh or inconsiderate.

- A "Destructive criticism is harmful"
- **B** "Destructive criticism will cause a negative reaction for the recipient"
- **C** "When receiving code review comments, I don't mind getting inconsiderate feedback as long as the feedback helps to improve the code quality"

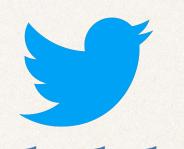
"I think it's important to indicate when the code is bad, but it should be communicated in a considerate way and the reviewer should explain why the code is bad so that the person can learn.

Implications



- How you treat people matters
- * You need to have pathways for "feedback" on feedback
- There is not a one size fits all approach to code review
- You must be careful with what is made public

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