

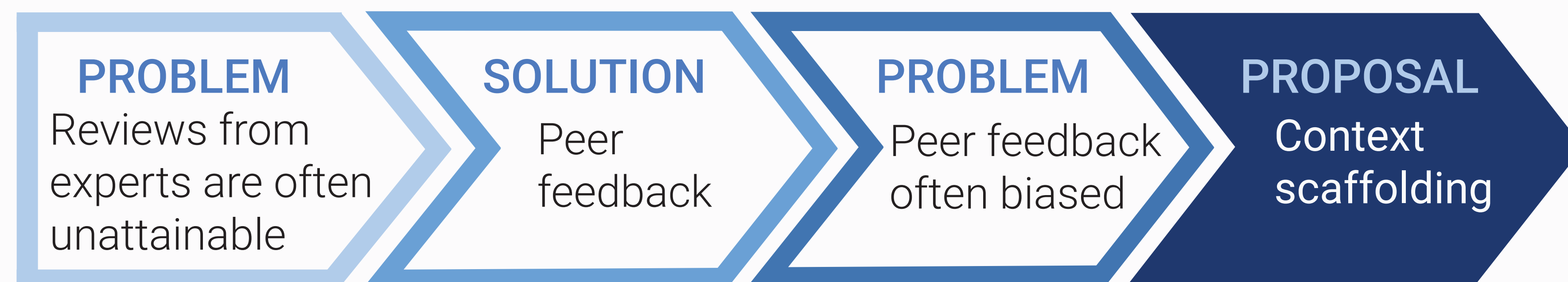
Peer Review: How to Critique like An Expert

Context Scaffolding helps novices provide better, deeper feedback

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Crowdsourcing: Useful but Limited



Context Scaffolding improves review quality and alerts reviewers to deep features

Reviewers' scopes are broadened

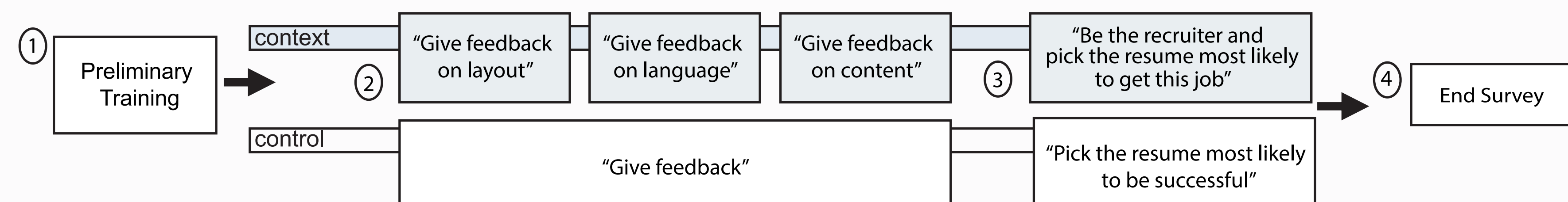
- without context cues: overdwelted on surface feedback
- with context cues: more deep feedback, and gave more positive and encouraging comments

Reviewers' quality goes up

- Quality of Review ratings in the context condition were rated higher than those without context

Experimental Design and Participants

Online experiment using Qualtrics with 85 students from UC San Diego



Feedback types

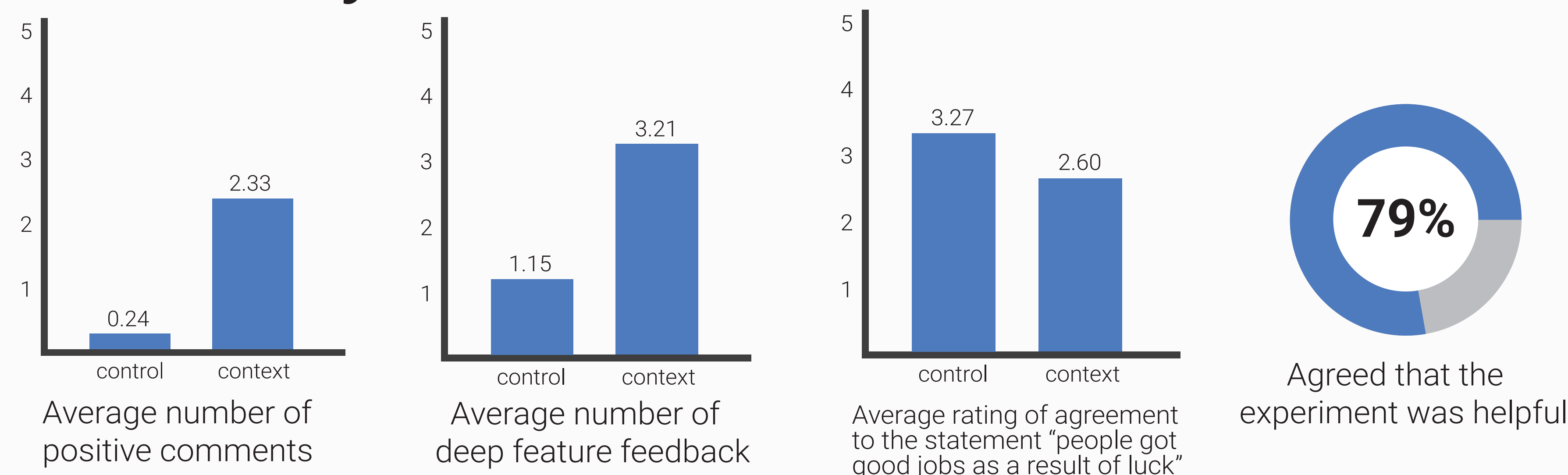
SURFACE

"Try and stay consistent with any formatting you use"

DEEP

"Give the reader an understanding of why their past coursework would be beneficial to their performance"

Data Analysis



Implications and Significance

Context scaffolding allows for **more diverse feedback, which is considered to be more trustworthy**, so this strategy can create a higher-quality feedback system. Many participants mentioned they now realized the importance of not just layout but also the content. Moreover, it challenges reviewers to look past the surface feature of an artifact, which may improve other social biases and stereotypes.

Future Research: Does context scaffolding impact reviewers' self-efficacy and engagement?

- What is the effect of context scaffolding on reviewers' self-efficacy?
- Are high quality reviewers more engaged and deliberate?
- Is there a trade-off between increased time and increase review accuracy?