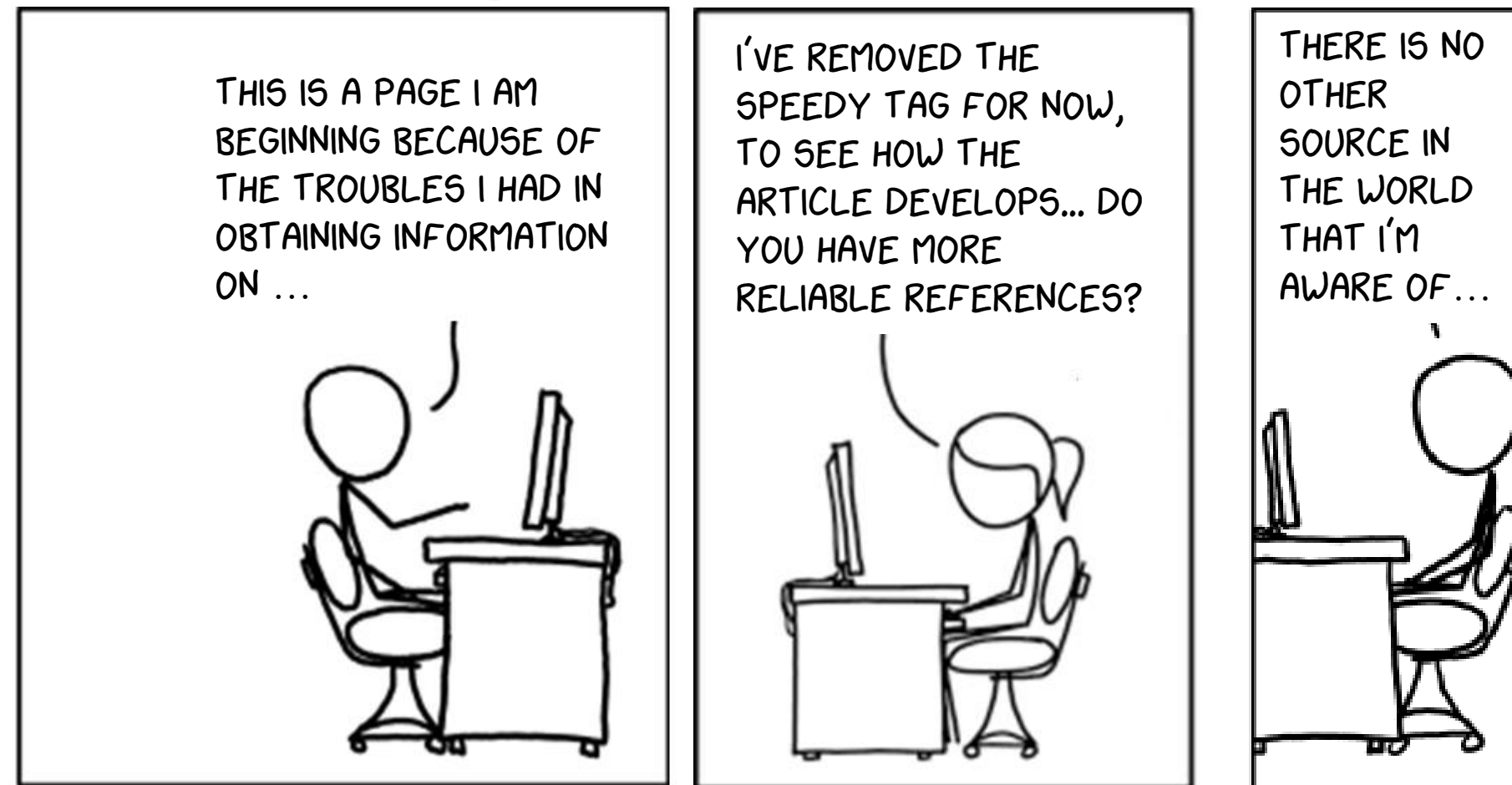


WikiTalkEdit: A dataset for modeling editors' behaviors on Wikipedia



Source: XKCD and the WikiTalkEdit dataset.

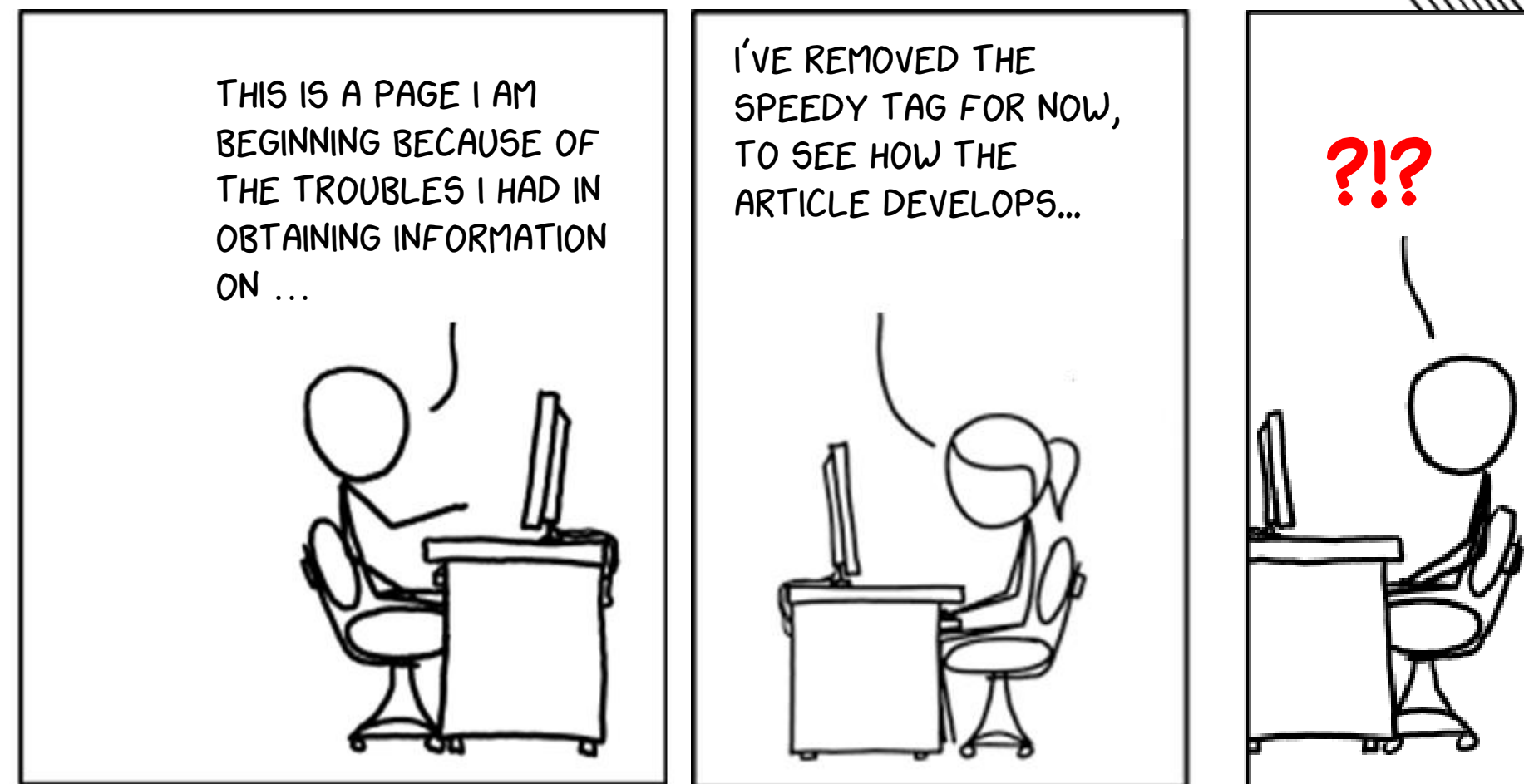
Jaidka, K., Ceolin, A., Singh, I., Chhaya, N., & Ungar L. (2021). WikiTalkEdit: A dataset for modeling editors' behaviors on Wikipedia. In *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT 2021)*. ACL.

Contact us at jaidka@nus.edu.sg

The WikiTalkEdit dataset

01

Wikipedia Talk pages
and edit history



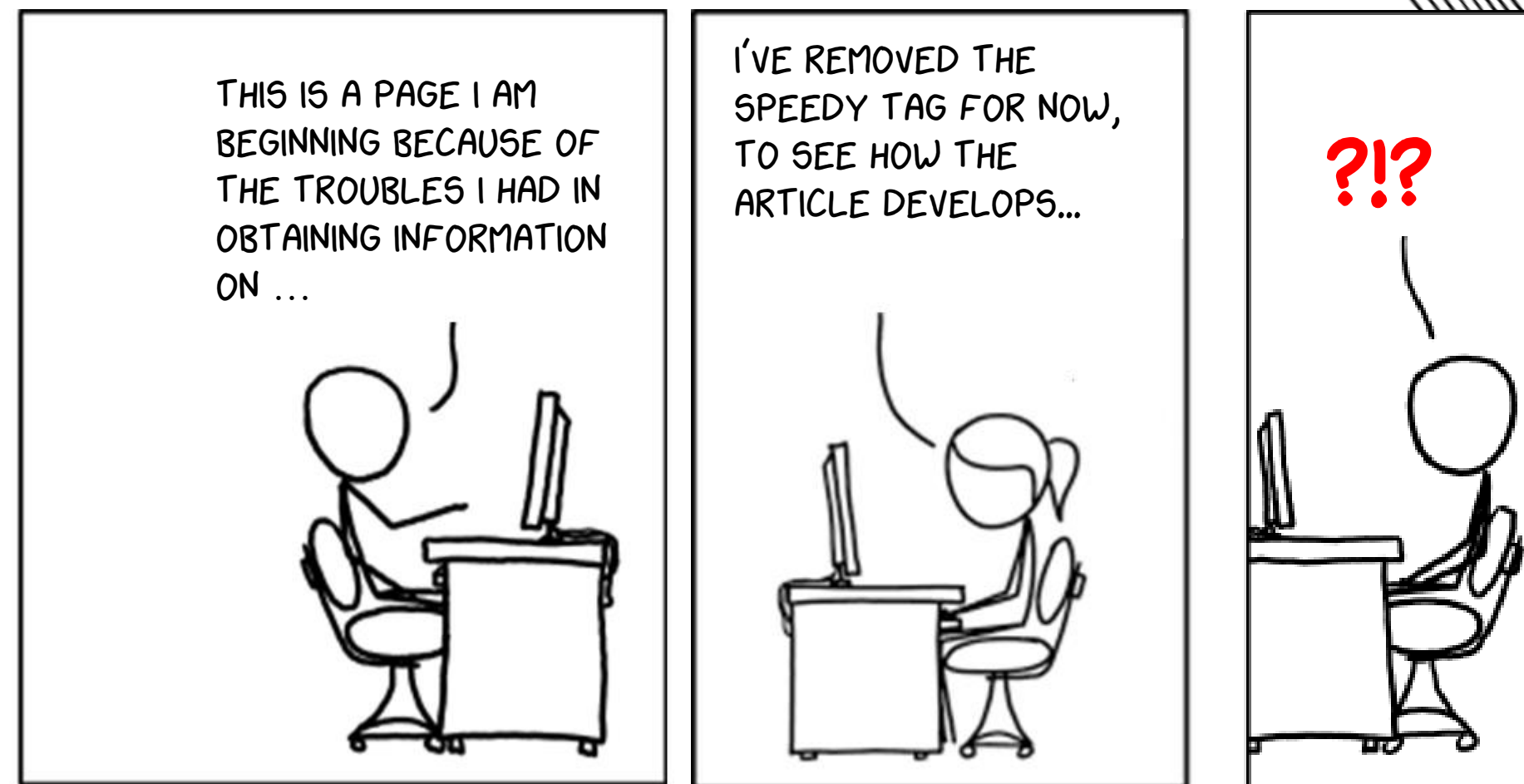
Jaidka, K., Ceolin, A., Singh, I., Chhaya, N., & Ungar L. (2021, forthcoming). WikiTalkEdit: A dataset for modeling editors' behaviors on Wikipedia. In *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT 2021)*. ACL.

The WikiTalkEdit dataset

Wikipedia Talk pages
and edit history

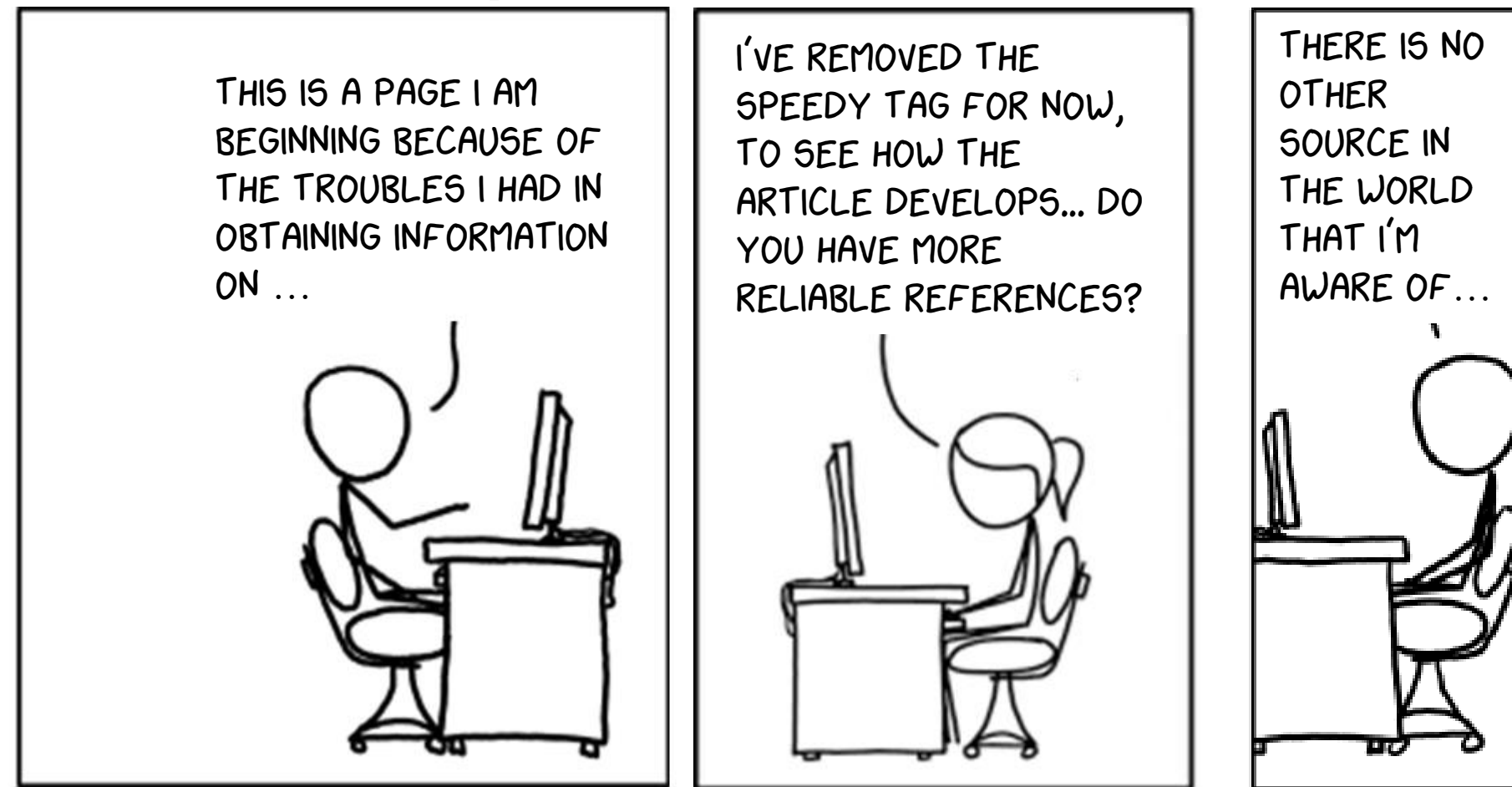
Online free-content encyclopedia project helping to create a world in which everyone can freely share in the sum of all knowledge

Discussions on Wikipedia Talk pages can be constructive towards improving the article under discussion



Jaidka, K., Ceolin, A., Singh, I., Chhaya, N., & Ungar L. (2021, forthcoming). WikiTalkEdit: A dataset for modeling editors' behaviors on Wikipedia. In *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT 2021)*. ACL.

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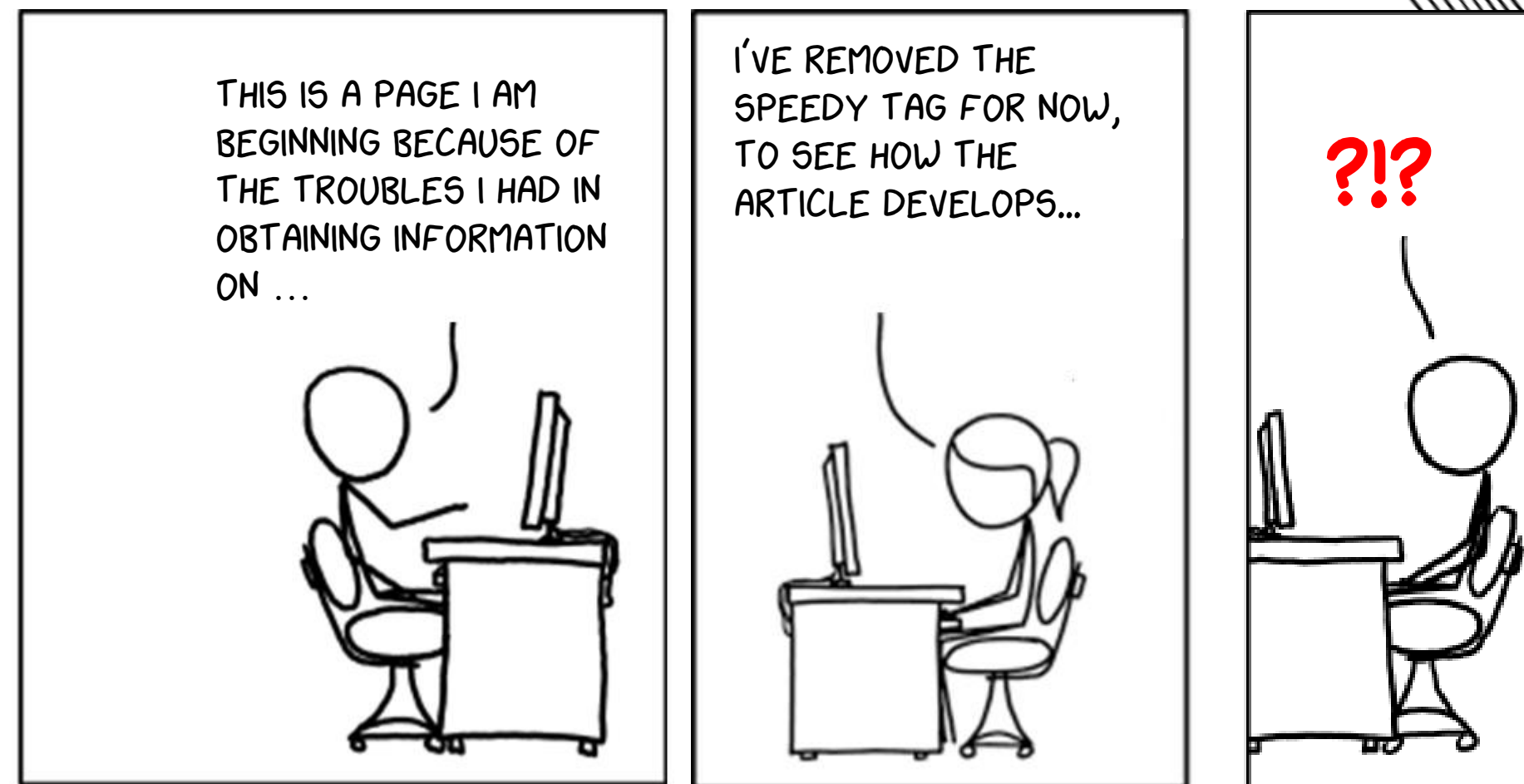
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The WikiTalkEdit dataset

03

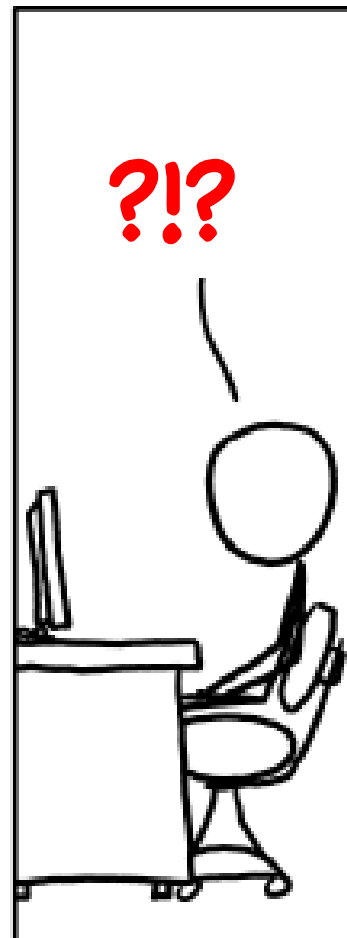
Wikipedia Talk pages
and edit history

Feedback with style matching, positive emotions,
use of first-person pronouns, predicts a positive
emotional response but not editorial changes

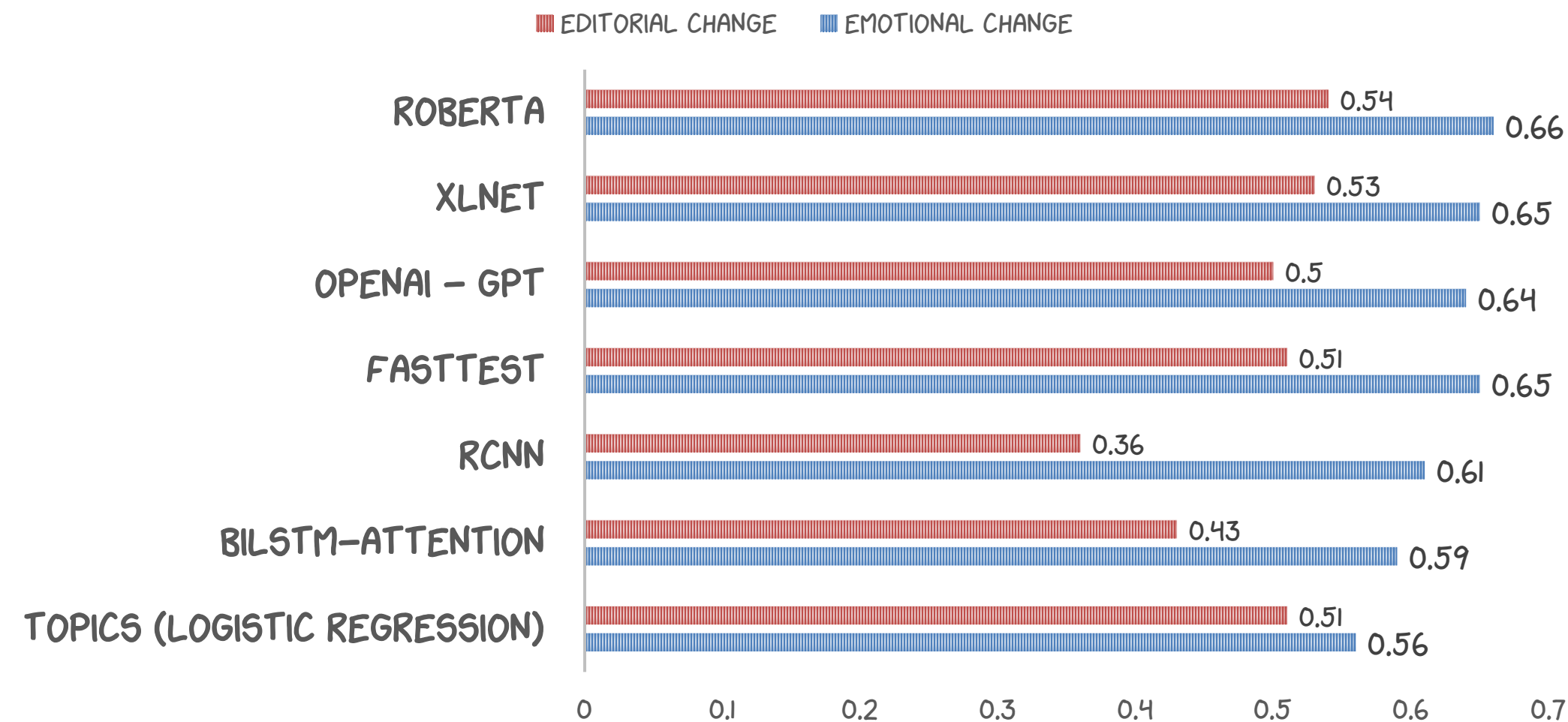


Jaidka, K., Ceolin, A., Singh, I., Chhaya, N., & Ungar L. (2021, forthcoming). WikiTalkEdit: A dataset for modeling editors' behaviors on Wikipedia. In *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT 2021)*. ACL.

The WikiTalkEdit dataset

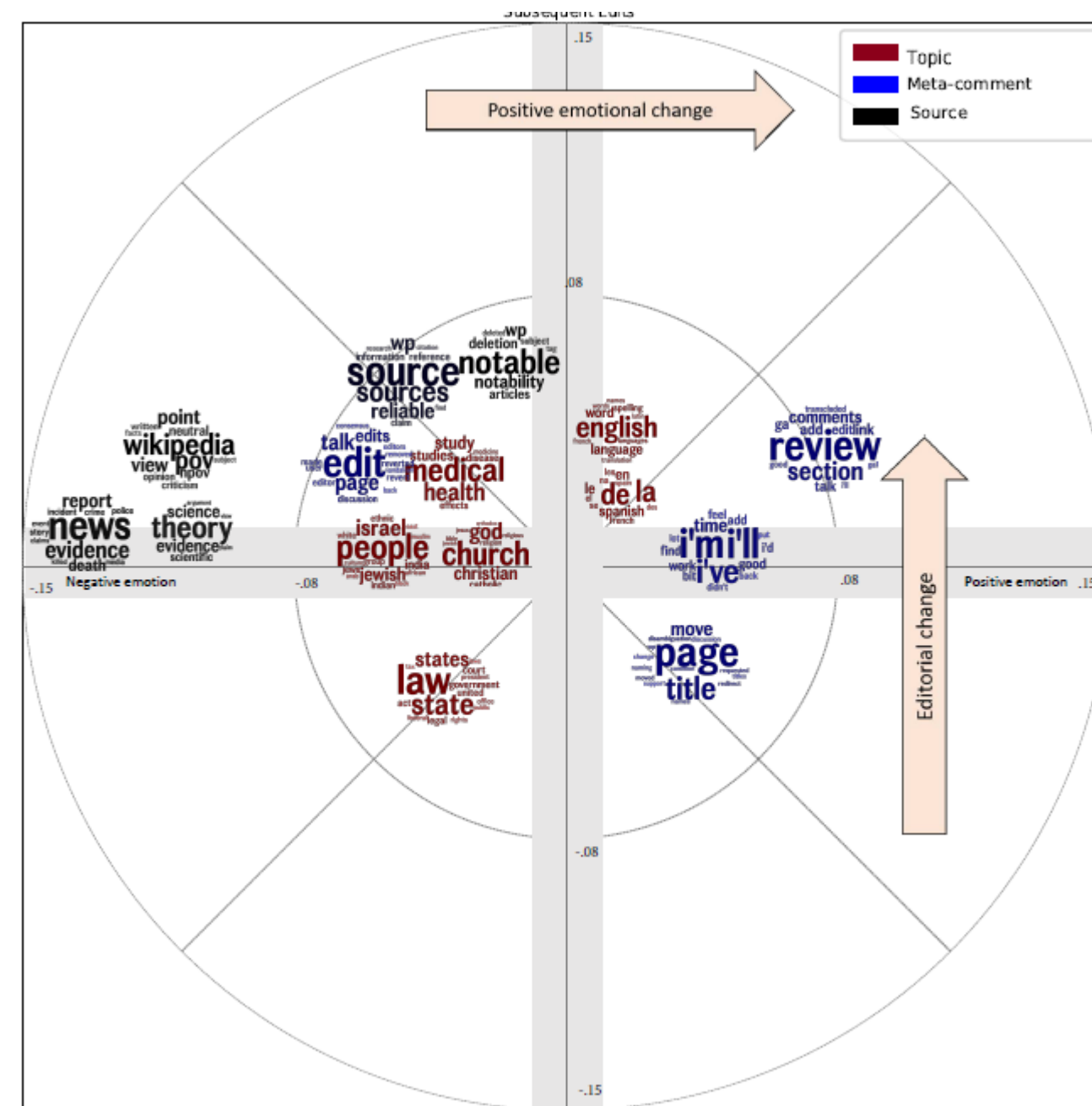


PREDICTING EMOTIONAL AND EDITORIAL RESPONSES FROM FEEDBACK (FI SCORE)

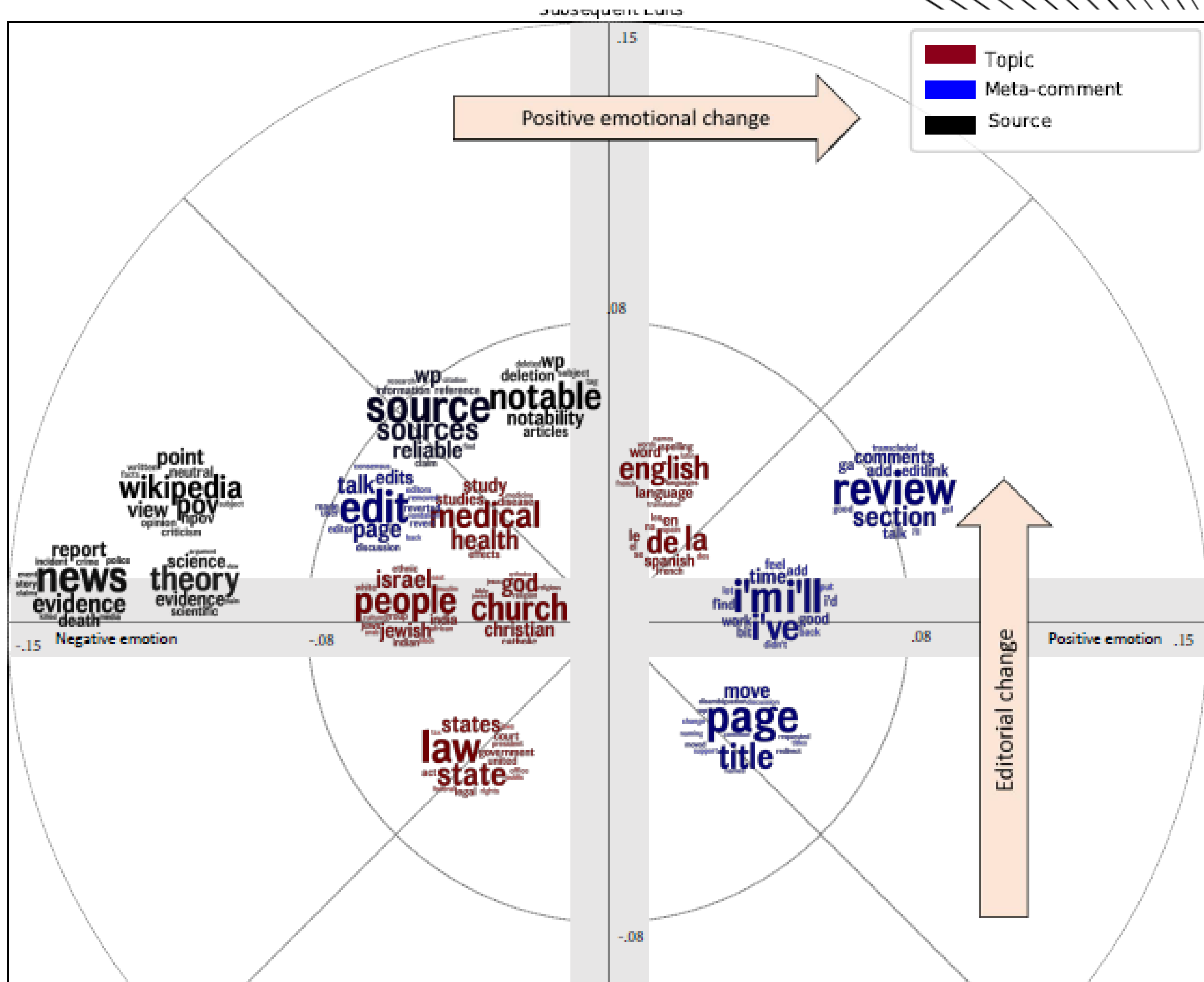


Jaidka, K., Ceolin, A., Singh, I., Chhaya, N., & Ungar L. (2021). WikiTalkEdit: A dataset for modeling editors' behaviors on Wikipedia. In *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT 2021)*. ACL.

Circumplex of strategies



Jaidka, K., Ceolin, A., Singh, I., Chhaya, N., & Ungar L. (2021, forthcoming). WikiTalkEdit: A dataset for modeling editors' behaviors on Wikipedia. In *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT 2021)*. ACL.



The WikiTalkEdit dataset

07

Wikipedia & its Five Pillars

Feedback invoking Wikipedia's fundamental principles encourage editorial changes but not positive responses



Jaidka, K., Ceolin, A., Singh, I., Chhaya, N., & Ungar L. (2021, forthcoming). WikiTalkEdit: A dataset for modeling editors' behaviors on Wikipedia. In *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT 2021)*. ACL.

The WikiTalkEdit dataset

Neutral point of view

Explain major points of view, giving due weight for their prominence. Avoid advocacy, and characterize information and issues rather than debate them.

Predicts a negative emotion response and a positive editorial change.



Content policies

Article titles • Biographies of living persons •
Image use • **Neutral point of view** •
No original research • Verifiability •
What Wikipedia is not (Not a dictionary)

Jaidka, K., Ceolin, A., Singh, I., Chhaya, N., & Ungar L. (2021, forthcoming). WikiTalkEdit: A dataset for modeling editors' behaviors on Wikipedia. In *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies* (NAACL-HLT 2021). ACL.

The WikiTalkEdit dataset

Evidence

Requests for sources for claims, asks for references.

Predicts a negative emotion response and a positive editorial change.



Content policies

Article titles • Biographies of living persons •
Image use • Neutral point of view •
No original research • Verifiability •
What Wikipedia is not (Not a dictionary)

Content

Citing sources • External links •
Reliable sources (medicine) • Fringe theories
• Non-free content • Offensive material •
Don't copy long texts • Don't create hoaxes •
Patent nonsense • Other content guidelines

Jaidka, K., Ceolin, A., Singh, I., Chhaya, N., & Ungar L. (2021, forthcoming). WikiTalkEdit: A dataset for modeling editors' behaviors on Wikipedia. In *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT 2021)*. ACL.

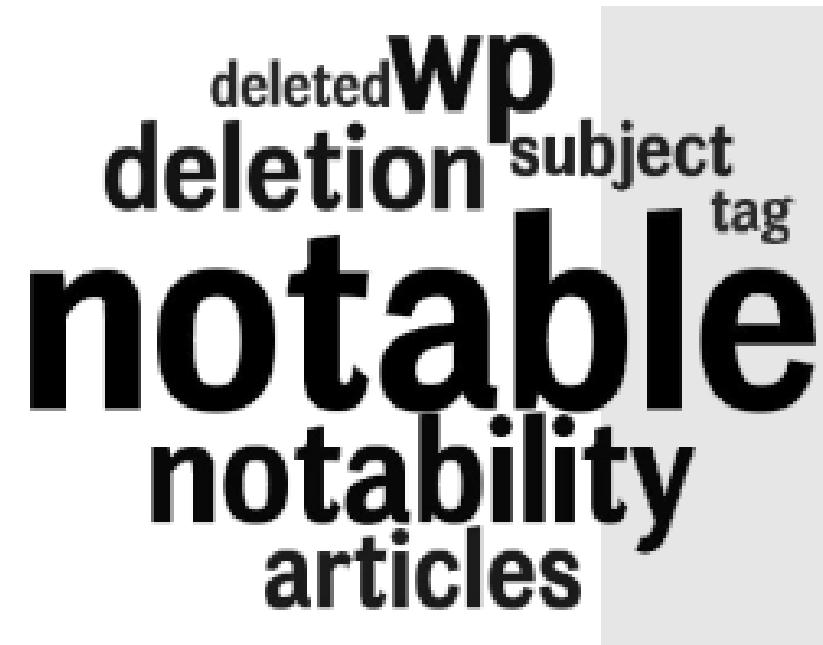
The WikiTalkEdit dataset

10

Notability

Questions the importance or notability of an article or topic.

Predicts a positive editorial change.



Other	
Naming conventions	Notability

Jaidka, K., Ceolin, A., Singh, I., Chhaya, N., & Ungar L. (2021, forthcoming). WikiTalkEdit: A dataset for modeling editors' behaviors on Wikipedia. In *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT 2021)*. ACL.

The WikiTalkEdit dataset

Reciprocity

Discusses the comments and the review/feedback from the other.

Predicts a positive emotional change and a positive editorial change.



Conduct policies

Civility • Clean start • Consensus •
 Dispute resolution • Edit warring •
 Editing policy • Harassment • No legal threats
 • No personal attacks • Ownership of content
 • Username policy • Vandalism

Jaidka, K., Ceolin, A., Singh, I., Chhaya, N., & Ungar L. (2021, forthcoming). WikiTalkEdit: A dataset for modeling editors' behaviors on Wikipedia. In *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT 2021)*. ACL.

The WikiTalkEdit dataset

Maintenance

Discusses the page and its path.

Predicts a positive editorial change and a negative emotional change.



Organization

Categories, lists, templates • **Categorization**
• Disambiguation

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The WikiTalkEdit dataset

Politics

Discusses topics related to politics and governance.

Predicts no editorial change and a negative emotional change.

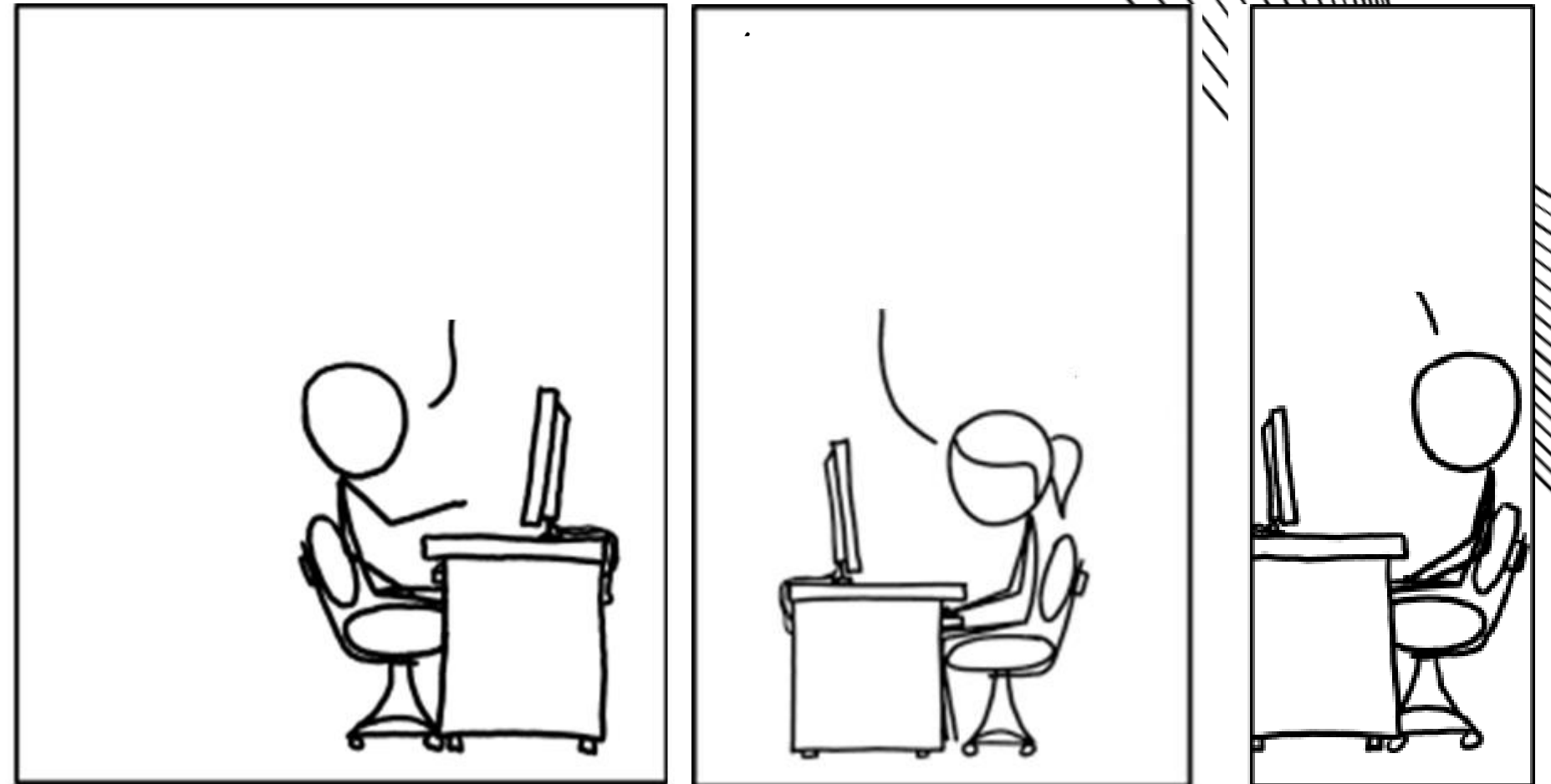


Behavioral

Assume good faith • Conflict of interest •
Courtesy vanishing • Disruptive editing •
Don't bite the newcomers • Don't edit to
make a point • Etiquette •
Don't game the system • User pages •
Other behavioral guidelines •
WMF friendly space policy

Jaidka, K., Ceolin, A., Singh, I., Chhaya, N., & Ungar L. (2021, forthcoming). WikiTalkEdit: A dataset for modeling editors' behaviors on Wikipedia. In *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT 2021)*. ACL.

Summary of findings



Wikipedia has very strict norms and conventions

Five pillars barely scratch the surface of a complex social code

“Good vibes” don’t imply actual adherence

Strategies for emotional and editorial persuasion are actually quite different

Models fail for contentious topics

In-depth error analyses suggests that models fail and arguments escalate where topics of race, religion and politics are broached