





# Rethinking Discussions in Online-Articles

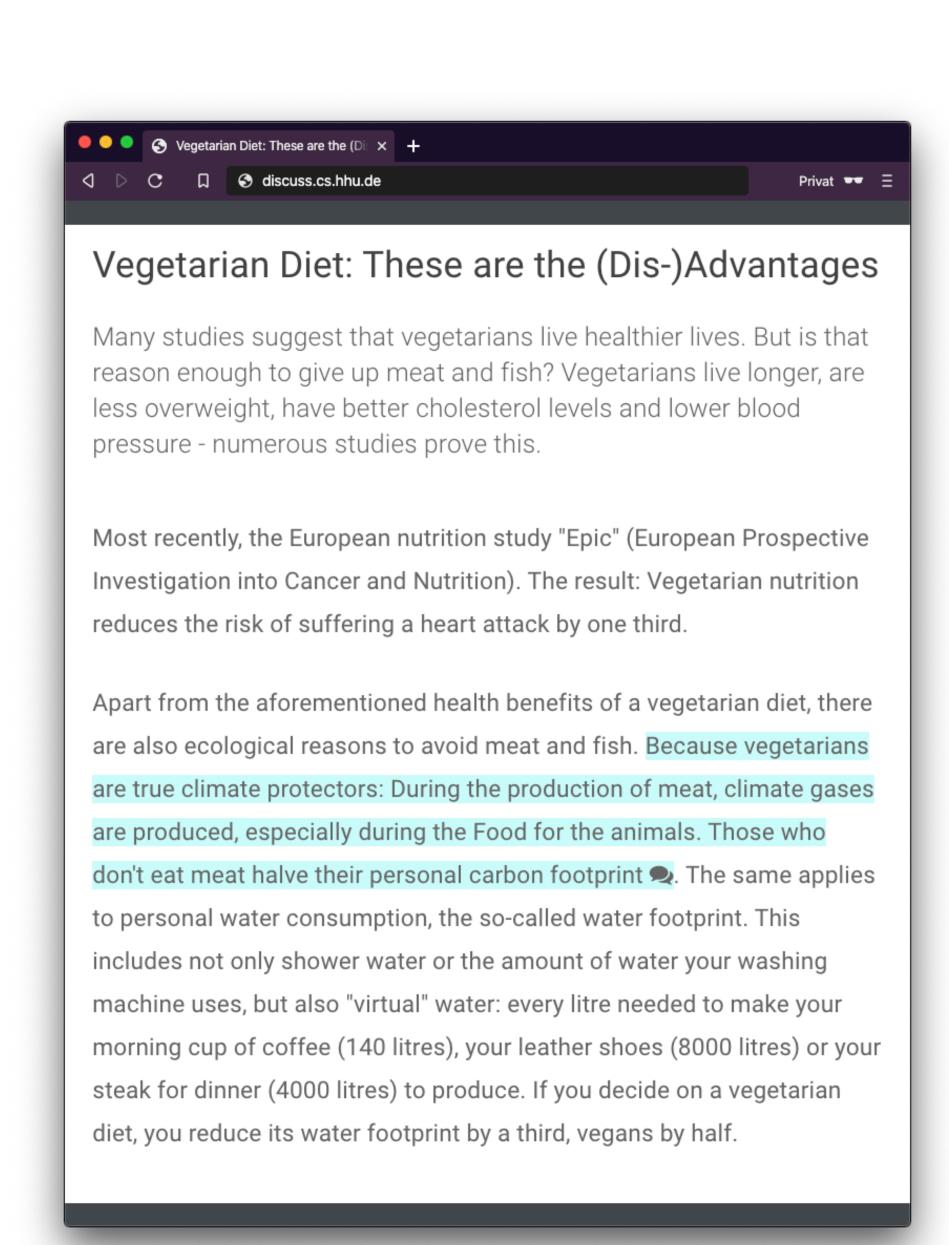
## **Embedding Dialog-Based Discussions**

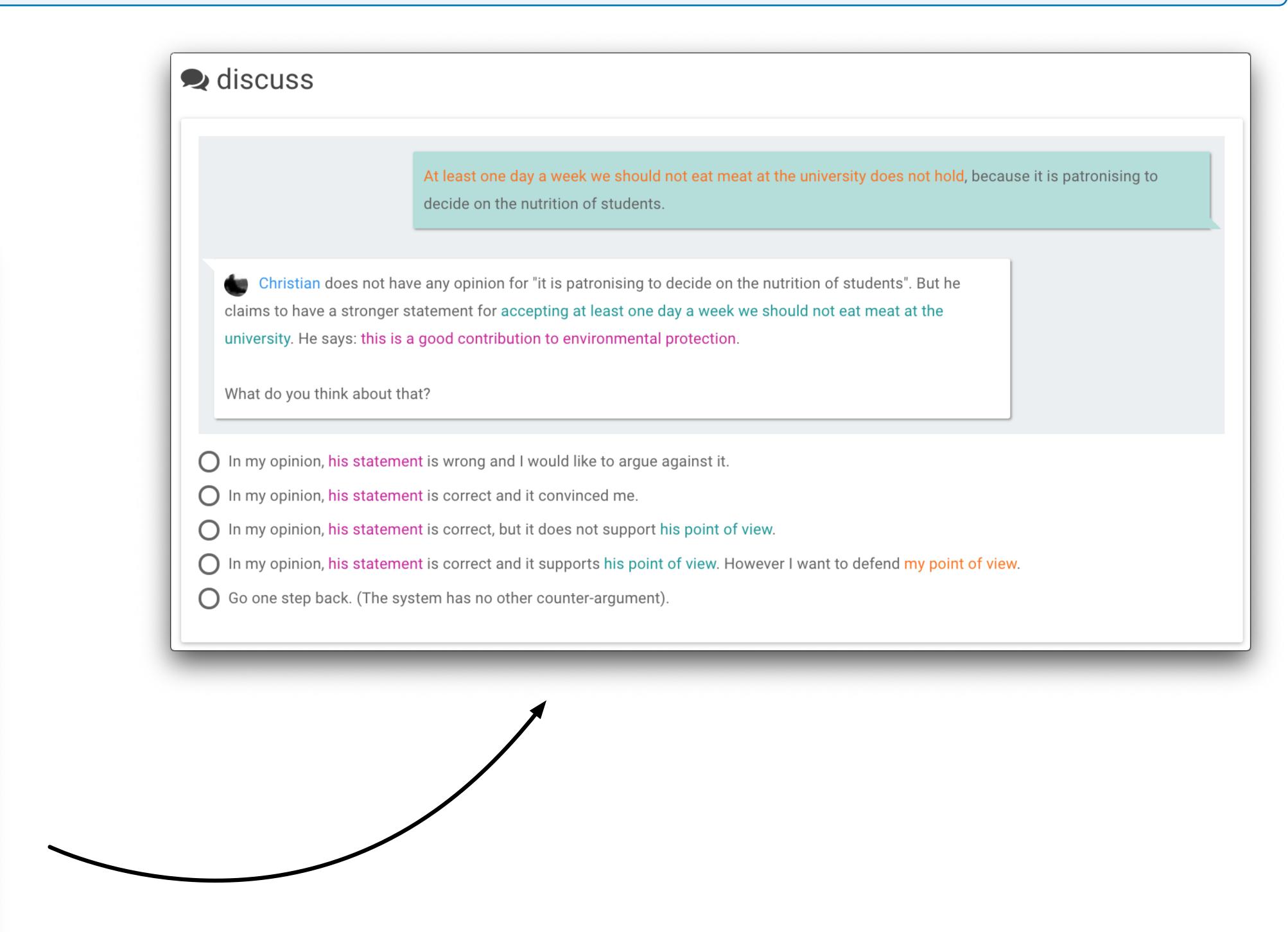
Christian Meter, M.Sc. Alexander Schneider, M.Sc. Institute for Computer Science, HHU

#### Motivation

Commenting on articles on the websites of newspapers and journals is a central feature provided by the publishing houses. The comments of the readers are a valuable addition to the editorially created content: they bind the readers involved to the offer of the publishing house, they are additional content created by the readers themselves, and they enable conclusions to be drawn about how the editorial offer is accepted by the readers and how it can be improved in the future.

But confusing argumentation structure and masses of texts lead to non-usable results of discussions, which must be manually processed for further usage. Therefore, we need to rethink the way we discuss on the Internet.





#### **Structured Discussions**

We develop software tools to collect the arguments from the reader's argumentation in a structured way so that an argumentation map is automatically created. This map can than be used for further processing to better understand the contents of a discussion.

Our software enables both *explicit* interactions with the arguments in the discussions and *direct* interactions with the article's content. In the illustration we see "discuss", a tool for dialog-based discussions embedded into an online article. Here, a user previously used the text-reference in an argument. Now, new users can directly join to this point in the discussion by clicking on the reference.

### References

C. Meter, T. Krauthoff and M. Mauve. "discuss: Embedding Dialog-Based Discussions into Websites", HCI International 2017

A. Schneider and C. Meter. "Reusable Statements in Dialog-Based Argumentation Systems", 1st Workshop on Advances In Argumentation In Artificial Intelligence 2017

T. Krauthoff, C. Meter, M. Baurmann, G. Betz and M. Mauve. "D-BAS — A Dialog-Based Online Argumentation System", COMMA 2018

C. Meter, B. Ebbinghaus and M. Mauve. "Jebediah — Arguing With a Social Bot", Proceedings of the 2018 Conference on Computational Models of Argument

C. Meter, A. Schneider and M. Mauve. "EDEN: Extensible Discussion Entity Network", Proceedings of the 2018 Conference on Computational Models of Argument

A. Schneider and C. Meter. "On Various Efforts of Enhancing Real World Online Discussions", 3rd European Conference on Argumentation -- ECA 2019

C. Meter, A. Schneider, J. Steimann, M. Feger and M. Mauve "discuss vs. Disqus: Evaluating Dialog-Based Discussions Against a Comment-Based System", To be submitted to COMMA 2020

Find the Software at:

https://github.com/hhucn

https://www.fkop.de meter@hhu.de