

# How can Open Data mitigate Climate Change?

Vinicius Woloszyn, Michael Wilmes

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There is an increasing politicization of climate science in an effort to delegitimize the scientific consensus.

- On a macro scale, this is an important issue because legislators tend to act according to what they perceive to be the concerns of their electoral base.
- On a micro scale, a public knowledge base about climate change can make people think about their social habits and how they impact the environment.

Thus, public knowledge and consensus about climate change can push legislation towards policies that will tackle the issue and counteract the commercial lobbying from industries.

# How can Open Data mitigate climate change?

- It is commonly assumed that convincing deniers that climate change is real is necessary for them to act pro-environmentally.
- In order to to that, it's very important to understand who are the deniers and what are their arguments.

# Focus on who discusses what, and with whom.

- The debate on micro-blogging have been used for delivering insights on how the different stances on the issue relate and are discussed.
- Even though Twitter has severe bias in population representation, when carefully considering demographic factors to **debias the data**, it provides valuable insights on public opinion, and allows to understand how people behaves in political debate while embracing web-based platforms.

# Research Questions:

With this context in mind, we aim to improve understanding in how people participate and take a stance on the debate on climate change.

**RQ1:** who are the deniers?

**RQ1.1:** what are their Arguments?

**RQ2:** what are the methodologies for debiasing the data, in order to get appropriate representation of public opinion?

# The contributions of this research are as follows:

1. Bootstrapping a methodology to measure how demographic groups are represented around a controversial topics on social network; and
2. A case study of the methodology applied to the debate on climate change.

# Expected Outcomes:

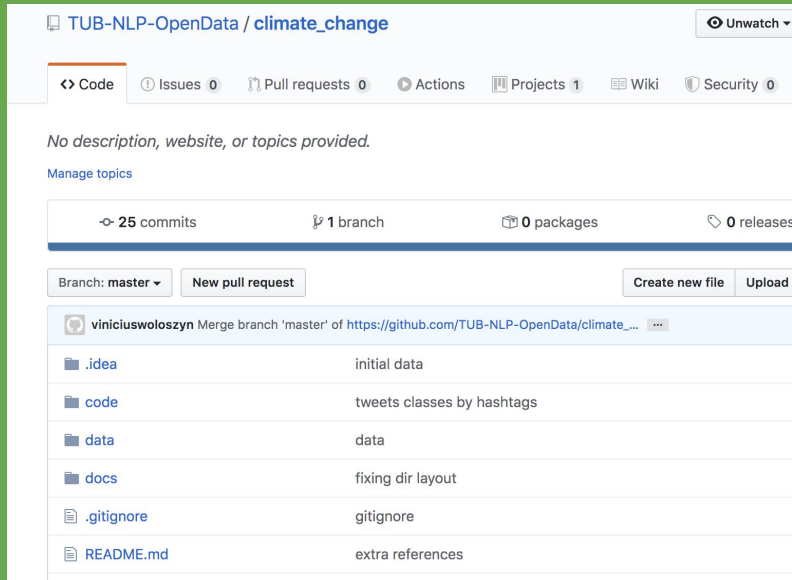
1. Better understanding of the who are deniers and their arguments;
2. Fostering of activities and communication dedicated for convincing deniers.

# Extras:



<https://github.com/TUB-NLP-OpenData>

Data Repository / Code / References



The screenshot shows the GitHub repository page for `TUB-NLP-OpenData / climate_change`. The repository is currently on the `master` branch. The page displays the repository's structure, including a list of files and folders. The repository has 25 commits, 1 branch, 0 packages, and 0 releases.

Repository structure:

File/Folder	Description
<code>.idea</code>	initial data
<code>code</code>	tweets classes by hashtags
<code>data</code>	data
<code>docs</code>	fixing dir layout
<code>.gitignore</code>	gitignore
<code>README.md</code>	extra references