Instructions for HyENA experiment

Thank you for joining the HyENA experiment! The goal of this experiment is to read and rate information on aspects of a problem in a particular context. The **Topics** are based on opinions of Dutch residents in the context of covid-19. We employ you to <u>identify</u> **Topics** that are applicable in the context of covid-19.

What you will be reading

In the HyENA experiment you will be given a list of **Topics** created following answers to a questionnaire, where citizens were asked to provide feedback on potential government policies regarding the relaxation of the Covid-19 measures.

In the questionnaire, participants considered possible policy **Options** suggested by the government. If a participant selected an **Option**, they were invited to motivate their choice with a short text comment. Using these comments, we've automatically created a list of **Topics** to use in a downstream application.

Lifting corona measures in the Netherlands

The questionnaire was conducted in the Netherlands between 29/04/2020 and 06/05/2020, when partial lockdown measures were in place in the Netherlands. The government wanted to gauge the opinion of the citizens on the eight possible **Options**. Each proposed **Option** came with an additional pressure on the healthcare system as a consequence (percentage in parentheses):

> 4. Young people may come together in small groups (4-8%)
> 5. All restrictions lifted for people with immunity (10-20%)
> 7. Direct family members from other households can have social contact (6-15%)
> 8. Re-open hospitality and entertainment industry (15-25%)

The question you will be answering in the annotation, is:
What unique Topics are coherent and relevant in the context of relaxing COVID-19 measures?

Topics

Topics are groups of words that represent aspects of an **Option**. If a **Topic** applies to an **Option**, we can expect the words of that **Topic**, or related words, to show up in user-entered comments. For more background information, see here.

Topic coherence
It may also be possible that not all words in a **Topics** together express an intelligible **Topic** that touches on a single aspect of the problem in our context (relaxing COVID-19 measures). This means it scores low on topical coherence. We score coherence on a 1-5 scale, from very low (1) to very high (5) coherence.

Examples

Below, we give some example **Topics** in a different context of *putting wind turbines and solar panels on land to battle climate change.*

Consider a list of **Topics**:
1. land nature view area
2. other abroad reliant country
3. food car netherlands care
4. oil electric coal gas
5. danger climate flood ice
6. foreign dependence outside russia
7. good renewable power environment

In this example, **Topic** number 3 scores low on coherence, as it does not clearly represent a single aspect of the problems discussed in this context. The others can be said to clearly represent aspects. We can also see that **Topic** 6 is a duplicate of **Topic** 2.

Annotation

The Annotation phase is to be performed by you, individually. You will be shown a list of **Topics** per **Option**. We ask you to annotate coherence, and deduplicate these **Topics** as described below:

1. For the first **Option**, perform the following:
   a. **Read the Option.**
   b. **Read the first Topic.**
   c. **Indicate coherence** on a scale between 1 (very low) and 5 (very high).
   d. **Check duplication** and indicate which previous **Topic** it is a duplicate from, if applicable.
   e. **Move on to the next topic.**
2. **Move on to the Next Option.**

Please continue until you have made annotations for all **Topics** and all **Options.**