Guide Sheet for Video Comment Classification 1

Thank you for helping us with our study!

Your task is to read comments on a [vision video](#) from YouTube and to classify them according to predefined categories. This guide sheet describes your task, defines the categories, and lists some examples for each category. You recommend carefully following the given instructions to perform the task successfully.

Description of the coding task:

Your task is to read the comments one by one and classify each comment whether:

1) The comment includes feedback that is relevant (*ham*) or irrelevant (*spam*) to requirements engineering.
2) The comment has a *positive*, *negative*, or *neutral* sentiment.

Your task is a single-class classification, which means that each comment can only be either relevant (*ham*) or irrelevant (*spam*) and has only one sentiment (*positive*, *negative*, or *neutral*).

For the classification, please adhere to the following definition of the respective categories.

Definition of the categories with examples:

Spam: A comment is irrelevant (*spam*), it the comments fulfill one or more of the following criteria:

- The comment contains only emojis, emoticons, numbers, single characters, or single words. Examples:
    - "1948205871"
    - ":D"
    - "$"
    - "awesome"
- The comment contains advertisement of any kind. Examples:
    - "Please visit my channel and watch my newest video"
    - "Check this out: https://www.youtube.com/watch?v=u5V_VzRrSBI"
- The comment does not provide any constructive feedback about the vision presented in the video.
    - "This Is Awesome"
    - "I do not see the benefits in this."

Ham: A comment is relevant (*spam*), it the comments fulfill one or more of the following criteria:

- The comment provides an opinion with a justification for or against the vision presented in the video. Examples:
    - "A metro rail with extra steps, inefficiency, and fuel cost."

- o "Very unsafe I see no emergency exit at all"
- The comment points out a feature or problem of the vision presented in the video. Examples:
  - o "it would be insane if you could charge your car while riding the tunnel"
  - o "As mentioned on other social media it may be a good idea to look into muti level above ground tunnels, although affected more by the weather eliments would be easier to maintain and possibly much safer in the event of an earthquake or flooding"

Positive: A comment has a *positive* sentiment, if the comment only agrees with or supports the vision presented in the video. Examples:

- "This Is Awesome"
- "this is a great idea. if you ever reach to do this, you could make it to be a paid service."

Negative: A comment has a *negative* sentiment, if the comment only disagrees with or opposes with the vision presented in the video. Examples:

- "Very unsafe I see no emergency exit at all"
- "A metro rail with extra steps, inefficiency, and fuel cost."

Neutral: A comment has a *neutral* sentiment, if the comment is neither positive nor negative according to the previous definitions.

- "Where do i find this?"
- "Earthquakes will have a field day with this one"