Sentiment of Weather-Related Tweets

Instructions

1. Overview

In this task, you will be presented with tweets about weather from different authors. Review the tweets to determine the author's sentiment that is expressed in the tweet and which particular weather extreme the author is displeased with (if applicable).

2. Steps

1. Carefully read the Tweet
2. Determine if the tweet is related to weather.
   - If yes, then proceed to Step 3
   - If no, please select the "**This tweet is not related to weather**" option
3. Determine the author's sentiment expressed in the tweet.
   - If the author expresses optimism / positivity / happiness, please select the "**Positive**" option
   - If the author expresses pessimism / negativity / worry / sadness, please select the "**Negative**" option
   - If the author just provides a weather update [or] doesn't express any sentiment [or] is apathetic about weather and for tweets that expresses the weather's bi-polarity, please select the "**Neutral / The author is just sharing information**" option
4. If the author's sentiment is marked as "**Negative**", determine which weather extreme the author is tweeting about.
   - If the tweet is about hot and humid weather, please select the "**Hot**" button
   - If the tweet is about rainy weather (mentioning wetness and precipitation), please select the "**Wet**" button
   - If the tweet is about how cold the weather is, please select the "**Cold**" button
   - If the tweet is about dryness, please select the "**Dry**" button
   - If the tweet doesn't explicitly state what 'weather extreme' displeases the author, please select the "**The author hasn't mentioned anything explicitly**" button

3. Rules & Tips

3.1. Determining Weather Sentiments

Typically, three types of sentiments can be expressed by the authors. Hence, the posts can be classified into positive, negative and neutral classes. The following tips can help you match the author's tweet into the appropriate sentiment that he/she has expressed:

3.1.1. Positive:

- This means that some aspects of the tweet uncover an optimism / positivity in the author's mood. It includes, praises, recommendations or favourable comparisons.
- The authors can use words like, "Beautiful", "Nice", "Good / Better / Great", "Amazing", "Love", etc. The authors can also use happy emojis or smileys to express their positive sentiment.

3.1.2. Negative:

- This means that some aspects of the tweet uncover a pessimistic mind-set or negativity in the author's mood. It includes criticism, insults or a negative comparison. It can also be an expression of displeasure or irritation or annoyance and vexation.
- The authors can use words like, "Bad / Worse / Worst", "Hate", "Awful", "Ugly", etc. The authors can also use sad emojis or smileys to express their negative sentiment.

3.1.3. Neutral:

- This means that the post is only informative in nature and it does not provide a hint on the mood of the author. In here, the author can also express the bi-polarity of the weather as to how it has transformed from something else to another.

3.2. Determining Weather Extremes

If the author has expressed negative sentiment towards the weather, we wanted to know which particular weather extremity is he/she displeased with. So, we expect you to choose the right option depending on what the author has expressed. In our case, we have 4 classes - Hot, Wet, Cold and Dry weather. A glossary of synonymous words related to the four classes is attached below. That will help you in identifying to which category you want the tweet to be associated to.

4. Glossary

4.1. Cold:

- Low or Relatively low temperature compared to that of human body
- Chill, Cool, Freezing, Icy, Snowy, Wintry, Frosty, Frigid, Gelid; Bitter, Biting, Raw, Bone-chilling, Nippy, Arctic, Sub-Zero, Hypothermic, Polar, Siberian, Numbing, etc.

4.2. Dry:

- Free from moisture or liquid
- Parched, Dried, Withered, Shrivelled, Wilted, Wizened, Brittle, Dehydrated, etc.

4.3. Hot:

- Having a high degree of heat / high temperature
- Blazing, Humid, Boiling, Heated, Muggy, Scorching, Sweltering, Torrid, Tropical, Warm, Baking, Blistering, Burning, Feverous, Flaming, Igneous, Fiery, Incandescent, Parching, Roasting, Scalding, Steaming, etc.

4.4. Wet:

- Covered or saturated with water
- Precipitation, Damp, Moist, Soaked, Drenched, Saturated, Sopping, Dripping, Soggy, Waterlogged, Dewy, Aqueous, etc.

5. Note

Please note that the above tips are not comprehensive to include every adjective that expresses the author's sentiment or every glossary term that refers to the weather extremities. Few most commonly used words have been mentioned for illustration purposes.

6. Examples

6.1. Positive Sentiments:

6.1.1. Expression of Positivity:

Tweet: I will be at Shuckers - Wake Forest tonight, starting at 18:30! Fantastic weather for an evening on the patio!

What is the author's sentiment (feeling) towards the weather? (required)

- ● Positive
- ○ Negative
- ○ Neutral / The author is just sharing the information
- ○ This tweet is not related to weather

6.1.2. Usage of Happy / Elated Emojis / Smileys:

Tweet: Tomorrows 82 degrees ? thats what im fuckin talking abt ^_^ .!!

What is the author's sentiment (feeling) towards the weather? (required)

- ● Positive
- ○ Negative
- ○ Neutral / The author is just sharing the information
- ○ This tweet is not related to weather

6.2. Neutral Sentiments:

6.2.1. Weather Update:

Tweet: #WEATHER: 11:54 am : 67.0F. Feels F. 29.95% Humidity. 11.5MPH South Wind.

What is the author's sentiment (feeling) towards the weather? (required)

- ○ Positive
- ○ Negative
- ● Neutral / The author is just sharing the information
- ○ This tweet is not related to weather

6.2.2. Information Sharing:

Tweet: Health Department Implements Mosquito Control: After all the wet weather areas around your home could be ideal... {link}.

What is the author's sentiment (feeling) towards the weather? (required)

- ○ Positive
- ○ Negative
- ● Neutral / The author is just sharing the information
- ○ This tweet is not related to weather

6.3. Tweet Not Related to Weather:

6.3.1. Irrelevancy:

Tweet: Blog Post: The Weather Man is Killing Golf! - {link}.

What is the author's sentiment (feeling) towards the weather? (required)

○ Positive
○ Negative
○ Neutral / The author is just sharing the information
● This tweet is not related to weather

6.4. Negative Sentiments:

6.4.1 Negative - Hot/Humid:

Tweet: Damn its hot out. Even when not working on a 240 degree engine....

What is the author's sentiment (feeling) towards the weather? (required)

○ Positive
● Negative
○ Neutral / The author is just sharing the information
○ This tweet is not related to weather

Is the author referring to any specific weather extreme? If yes, please select the appropriate one. (required)

● Hot
○ Wet
○ Cold
○ Dry
○ The author hasn't mentioned anything explicitly

6.4.2 Negative - Cold/Freezing:

Tweet: My brother told me it.was hot out , so I came out in a tank , now I'm freezing

What is the author's sentiment (feeling) towards the weather? (required)

○ Positive
● Negative
○ Neutral / The author is just sharing the information
○ This tweet is not related to weather

Is the author referring to any specific weather extreme? If yes, please select the appropriate one. (required)

○ Hot
○ Wet
● Cold
○ Dry
○ The author hasn't mentioned anything explicitly

6.4.3. Negative - Wet/Precipitation:

Tweet: We all know that rainy days can be stressful when your kids are stuck inside, desperate for activities to occupy... {link}

What is the author's sentiment (feeling) towards the weather? (required)

○ Positive
● Negative
○ Neutral / The author is just sharing the information
○ This tweet is not related to weather

Is the author referring to any specific weather extreme? If yes, please select the appropriate one. (required)

○ Hot
● Wet
○ Cold
○ Dry
○ The author hasn't mentioned anything explicitly

6.4.4. Negative - Dry:

Tweet: Feels like a desert! Totally dry! Wishing for a thunderstorm soon...

What is the author's sentiment (feeling) towards the weather? (required)

○ Positive
● Negative
○ Neutral / The author is just sharing the information
○ This tweet is not related to weather

Is the author referring to any specific weather extreme? If yes, please select the appropriate one. (required)

○ Hot
○ Wet
○ Cold
● Dry
○ The author hasn't mentioned anything explicitly

6.4.5. Negative - Generic Weather Update:

Tweet: Clothes fail. Packing for London weather was a mistake #Manchester

What is the author's sentiment (feeling) towards the weather? (required)

○ Positive
● Negative
○ Neutral / The author is just sharing the information
○ This tweet is not related to weather

Is the author referring to any specific weather extreme? If yes, please select the appropriate one. (required)

○ Hot
○ Wet
○ Cold
○ Dry
● The author hasn't mentioned anything explicitly