

HW2-Week 4-More Dataset Creation:

100 points (make sure the compositions are different from what you have wrote in the HW1)

Due Sunday April 30th, 11:59 pm PST

NRC Emotion Lexicon (outlined in the colab notebook):

https://colab.research.google.com/drive/1uuQ5nvel5SpD-9-t1PiOUTpDYXJ0Btl_?usp=sharing

Section 1: Single Emotion Generation (50 points):

1. **(5 points) Anticipation:** Write a sentence that expresses the feeling of anticipation. Use at least one of the emotion words listed under the anticipation category in the lexicon.

```
emolex_df[(emolex_df.association == 1) &
           (emolex_df.emotion == 'anticipation')].word.head(30)
```

611	abundance
711	accelerate
851	accolade
881	accompaniment
1231	achievement
1381	acquiring
1721	addresses
2221	adore
2251	adrift
2291	advance
2351	advent
2361	adventure
2501	advocacy
3431	airport
3601	alertness
3611	alerts
3781	alive
4031	allure
4111	aloha
4421	ambition
4651	amour
4911	analyst
5121	angel
5181	angling
5401	announcement
5731	anticipation
5741	anticipatory
5751	antidote
5901	anxiety
5911	anxious

Name: word, dtype: object

- Emotion words from lexicon: **anxious, airport, acquiring,**
 - Sentence(s): “**As I was acquiring my boarding pass at the airport, I couldn’t help but feel anxious about the safety of my trip.**”
2. **(5 points) Trust:** Create a sentence that conveys the emotion of trust. Include at least one of the emotion words listed under the trust category in the lexicon.
 - Emotion words from lexicon: **wonderful, wealth, volunteers**

- Sentence(s): “The wonderful volunteers were dedicated to help their community, despite their individual wealth.”
3. **(5 points) Fear:** Write a sentence that expresses the feeling of fear. Use at least one of the emotion words listed under the fear category in the lexicon.
- Emotion words from lexicon: **wimp, worry, yell**
 - Sentence(s): “I used to worry before each exam, made me look like a wimp in front of my friends, I found that if I yell in secret it is a great stress reliever.”
4. **(5 points) Anger:** Create a sentence that conveys the emotion of anger. Include at least one of the emotion words listed under the anger category in the lexicon.
- Emotion words from lexicon: **warrior, words, wreck**
 - Sentence(s): “The warrior realized the power of his words and how can they wreck the enemy.”
5. **(5 points) Surprise:** Write a sentence that expresses the feeling of surprise. Use at least one of the emotion words listed under the surprise category in the lexicon.
- Emotion words from lexicon: **wild, art**
 - Sentence(s): “The art of drawing wild forests took the audience’s breath away”
6. **(5 points) Disgust:** Create a sentence that conveys the emotion of disgust. Include at least one of the emotion words listed under the disgust category in the lexicon.
- Emotion words from lexicon: **abuse, alienate**
 - Sentence(s): “Frank’s drug abuse made forced his friends to alienate him from the group”
7. **(5 points) Sadness:** Write a sentence that expresses the feeling of sadness. Use at least one of the emotion words listed under the sadness category in the lexicon.

- Emotion words from lexicon: **worn, wrongly**
 - Sentence(s): “**Majd’s wrongly exams workload calculations made him feel worn by mid semester**”
8. **(5 points) Joy:** Create a sentence that conveys the emotion of joy. Include at least one of the emotion words listed under the joy category in the lexicon.
- Emotion words from lexicon: **vote, wages**
 - Sentence(s): “**Tony’s beloved presidential candidate promised higher wages, drove Tony to vote for him in elections.**”
9. **(5 points) Anticipation:** Write a sentence that expresses the feeling of anticipation. Use at least one of the emotion words listed under the anticipation category in the lexicon.
- Emotion words from lexicon: **winner, young**
 - Sentence(s): “**The world was debating his chances of winning for being young, the world didn’t know he was a winner at heart.**”
10. **(5 points) Trust:** Create a sentence that conveys the emotion of trust. Include at least one of the emotion words listed under the trust category in the lexicon.
- Emotion words from lexicon: **white, admire**
 - Sentence(s): “**Only one horse at the racecourse was admired, it was the white one.**”

Section 2: Two-Emotion Generation (50 points):

Take any two emotions from the set {Fear, Anger, Surprise, Disgust, Sadness, Joy, Anticipation, trust}. Create one or more sentences that conveys both emotions. Include at least one emotion word from each category in the NRC emotion lexicon.

1. **(10 points)**
- Emotions: **Anticipation, Trust**
 - Emotion words from lexicon: **hope, confidence**

- Sentence(s): “Keeping her **hope** up during exams gave her a sense of **confidence**.”

2. (10 points)

- Emotions: **Disgust, Trust**
- Emotion words from lexicon: **sick, father**
- Sentence(s): “She was too scared at the hospital for being mighty sick, fortunately her **father** was there to watch over her.”

3. (10 points)

- Emotions: **Sadness, Anger**
- Emotion words from lexicon: **grief, resentment**
- Sentence(s): “His sudden death filled his family with **grief** especially after their **resentment** towards him for the past months.”

4. (10 points)

- Emotions: **Fear, Joy**
- Emotion words from lexicon: **terror, delight**
- Sentence(s): “The girl felt a sense of **terror** when her friend was creeping up on her in the dark, he felt a sense of **delight** knowing he would scare her good.”

5. (10 points)

- Emotions: **Surprise, Disgust**
- Emotion words from lexicon: **blast, repulsion**
- Sentence(s): “The magician audience had a **blast** during the show, while the sudden appearance of a giant nasty cockroach gave them a sense of **repulsion**”