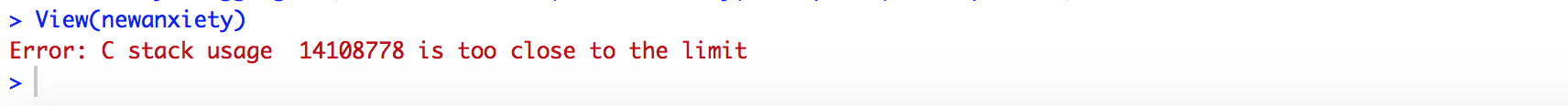
**Anxiety Classification**

Methodology: Sentimental Analysis

1. I have used a library called ‘tidytext’. This contains a lexicon called ‘nrc’. Nrc is like a library/dictionary that contains a list of words and their corresponding emotion. For example, abandoned <- sadness.
2. I have considered only 20 of each user’s tweet because for some reason, Rstudio finds it impossible to combine all the tweets into one row. This is the error message:I have tried increasing the limit of the usage but it’s the same.
3. After these 20 tweets are combined, the entire text is cleaned and tokenized and stored in a data frame.
4. Now, each word is checked against the words in ‘nrc’ library. If there is a hit, the emotion is stored in a different variable. If there is no hit for the word in the entire dictionary, NA is stored.
5. I used table() method to get the unique values in the dataframe and their count. That gives us the emotion names and number of times it has occurred in a text. This dataframe is reorder according to their weights.
6. Anxiety is defined by the term ‘fear’ and ‘sadness’. If these emotions are seen in first or second rows in the reordered data frame, then the person is anxious.
7. With every function call, the final\_classifier stores the term “anxious” or “not anxious” as we process new user’s text.