## Assignment\_4\_task3

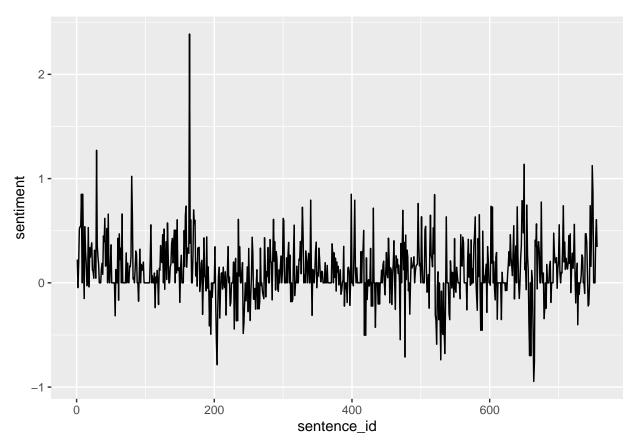
Guangze Yu

12/7/2021

## TASK three:sentence-level analysis

Below is the sentiment scores based on sentimentr package.

```
sentiment(sentences_ach) %>%
ggplot(aes(sentence_id, sentiment)) +geom_line()
```



Below is the sentences level analysis based on TASK 2: the bag of word analysis. We can see that the sentiment scores are not the same for each lexicon. The trend is approximatly the same for different sentences analysis.

```
text_df_task_3 <- qdf4%>%
  mutate(string.value = as.character(string.value)) %>%
  mutate(linenumber = row_number()) %>%
  unnest_tokens(word, string.value)
afinn <- text_df_task_3 %>%
  inner_join(get_sentiments("afinn")) %>%
  group_by(index = linenumber) %>%
  summarise(sentiment = sum(value)) %>%
  mutate(method = "AFINN")
bing_and_nrc_lou <- bind_rows(</pre>
  text_df_task_3 %>%
    inner_join(get_sentiments("bing")) %>%
    mutate(method = "Bing et al."),
  text_df_task_3 %>%
    inner_join(get_sentiments("nrc") %>%
                 filter(sentiment %in% c("positive",
                                          "negative"))
    ) %>%
    mutate(method = "NRC"),
  text_df_task_3 %>%
    inner_join(get_sentiments("loughran") %>%
```

