

Alternative Visualisations

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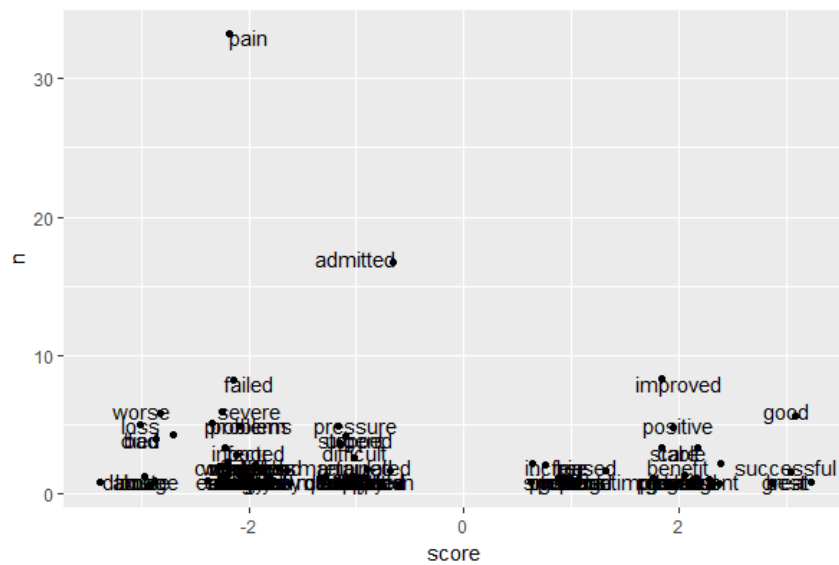
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```
1 library(tidyverse)
2 library(tidytext)
3 library(readxl)
4
5 nzqhs <- read_excel("../data/raw/Schonlau1.xls")
6
7 stop_snow<- filter(stop_words, lexicon == "snowball")
8
9 nzqhs_stopped <- nzqhs %>%
10   unnest_tokens(word, `expert clinical summary`) %>%
11   anti_join(stop_snow)
```

1 Scatterplot

Have a look at a few different displays (e.g. scatterplot of frequency ~ sentiment score).

```
1 freq_score <- nzqhs_stopped %>%
2   group_by(word) %>%
3   count() %>%
4   inner_join(get_sentiments("afinn"))
5
6 freq_score %>%
7   ggplot(aes(score, n, label=word)) +
8   geom_jitter() +
9   geom_text(aes(label=word))
```



2 Frequency

Sentiment frequencies of positive and negative words, coloured continuously by their sentiment score. (include even for diagnostic purposes)

```

1 freq_score <- nzqhs_stopped %>%
2   group_by(word) %>%
3   count() %>%
4   inner_join(get_sentiments("afinn"))
5
6 freq_score %>%
7   filter(n > 4) %>%
8   arrange(n) %>%
9   ggplot(aes(word, n, fill=score)) +
10  geom_col()

```

