Discord

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```r
library(tidyverse)
```

```
## -- Attaching packages -------------------------------------- tidyverse 1.3.0 --
```

```
## v ggplot2 3.3.0     v purrr   0.3.4
## v tibble  3.0.1     v dplyr   0.8.5
## v tidyr   1.1.0     v stringr 1.4.0
## v readr   1.3.1     v forcats 0.5.0

## -- Conflicts ----------------------------------------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```r
library(ggplot2)
library(broom)
library(tidytext)
library(wordcloud)
```

```
## Loading required package: RColorBrewer
```

```r
library(reshape2)
```

```
##
## Attaching package: 'reshape2'

## The following object is masked from 'package:tidyr':
##
##     smiths
```

```r
library(textdata)
```

Exploring Discord Data:

```r
glimpse(discord)
```

```
## Rows: 332,838
## Columns: 4
## $ ID          <dbl> 7.100975e+17, 7.100975e+17, 7.100975e+17, 7.100964e+17,...
## $ Timestamp   <fct> 2020-05-13 11:54:08.289000+00:00, 2020-05-13 11:54:02.8...
## $ Contents    <fct> And then request data, And then privacy, Can you go to ...
## $ Attachments <fct> , , , , , , , , , , , , , , , , , , , , , , , , , , , ,
```

```r
dis <-discord %>%
  mutate(contents = as.character(Contents))
words <- dis %>%
  unnest_tokens(word, contents)
```

```
words %>%
  anti_join(stop_words) %>%
  inner_join(get_sentiments("bing")) %>%
  group_by(sentiment) %>%
  count(word) %>%
  arrange(desc(n)) %>%
  slice(1:20) %>%
  ggplot(aes(x = fct_reorder(word,n), y = n)) +
  geom_col(aes(fill = sentiment)) +
  coord_flip() +
  theme_bw()
```

```
## Joining, by = "word"
## Joining, by = "word"
```