

2025 word count

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January 2025

```
library(tidyverse)
```

January 31st

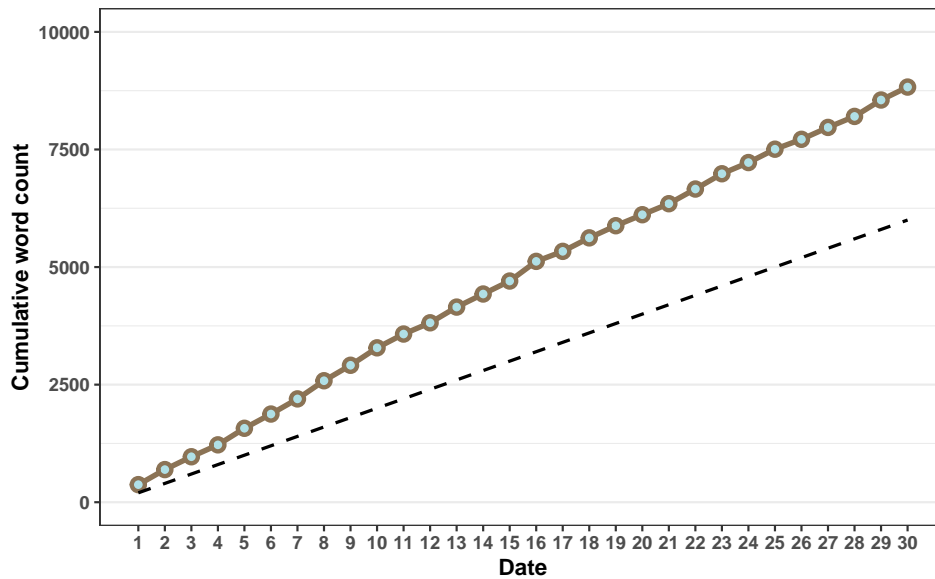
```
data <- read_csv("../data/word_count.csv") %>%  
  mutate(weekday = as.factor(weekday),  
         month = as.factor(month),  
         words_cumulative = cumsum(words))
```

```
jan31 <- data %>%  
  ggplot(aes(x = day)) +  
    geom_line(aes(y = words_cumulative), col = "burlywood4", linewidth = 1.25) +  
    geom_point(aes(y = words_cumulative), shape = 21, stroke = 1.5, size = 2,  
              fill = "powderblue", col = "burlywood4") +  
    geom_line(aes(y = 200 * day), linetype = "dashed", linewidth = 0.75) +  
    scale_x_continuous(breaks = 1:30) +  
    ylim(c(0, 10000)) +  
    theme_bw() +  
    theme(panel.grid.minor.x = element_blank(),  
          panel.grid.major.x = element_blank()) +  
    labs(x = "Date", y = "Cumulative word count",  
         title = "Cumulative word count throughout January 2025",  
         subtitle = "Dashed line indicates a pace of 200 words per day") +  
    theme(axis.title = element_text(face = "bold"),  
          axis.text = element_text(face = "bold"),  
          plot.title = element_text(face = "bold"),  
          plot.subtitle = element_text(face = "italic"))
```

jan31

Cumulative word count throughout January 2025

Dashed line indicates a pace of 200 words per day

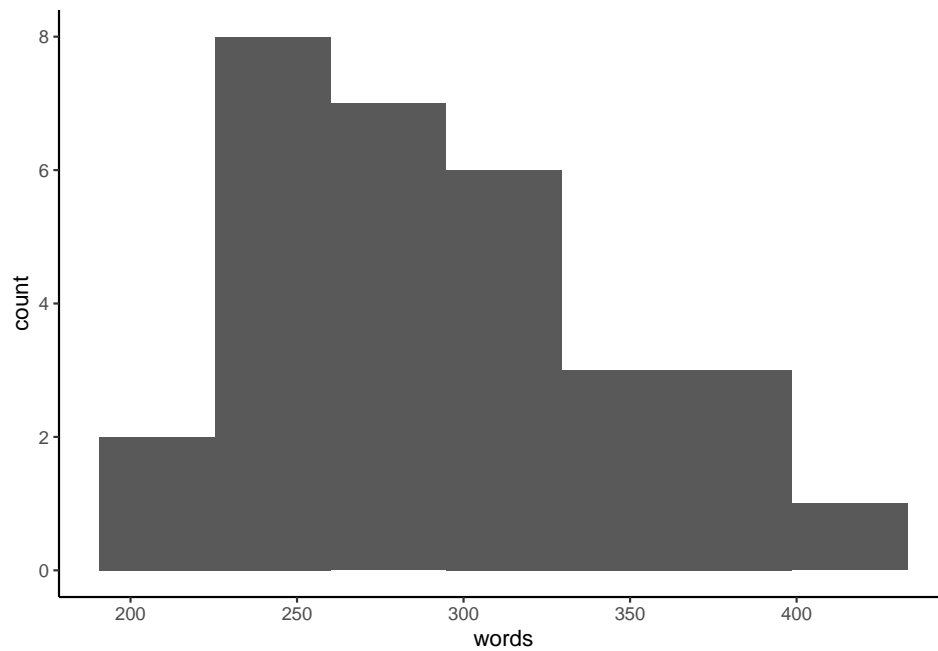


```
ggsave("../figures/jan31.png", plot = jan31, height = 4, width = 6)
```

```
data %>%  
  group_by(month) %>%  
  summarize(min = min(words), mean = mean(words),  
            median = median(words), max = max(words))
```

```
## # A tibble: 1 x 5  
##   month      min mean median    max  
##   <fct>    <dbl> <dbl> <dbl> <dbl>  
## 1 January    210  294.  286.  418
```

```
data %>%  
  ggplot(aes(x = words)) + geom_histogram(bins = 7) + theme_classic()
```



```
data %>%
  group_by(weekday) %>%
  summarize(n = n(), mean = mean(words), stdev = sd(words)) %>%
  arrange(desc(mean))
```

```
## # A tibble: 7 x 4
##   weekday      n mean stdev
##   <fct>    <int> <dbl> <dbl>
## 1 Wednesday     5  339.  45.4
## 2 Thursday      5  333.  52.1
## 3 Monday        4  281.  45.8
## 4 Saturday      4  279.  17.9
## 5 Friday        4  274.  69.3
## 6 Tuesday       4  267.  42.1
## 7 Sunday        4  265.  61.4
```