

Assignment 3

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```
library(tidyverse)

## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.4      v readr      2.1.5
## v forcats    1.0.0      v stringr    1.5.1
## v ggplot2    3.5.1      v tibble     3.2.1
## v lubridate  1.9.4      v tidyr      1.3.1
## v purrr      1.0.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors

library(pastecs)

##
## Attaching package: 'pastecs'
##
## The following objects are masked from 'package:dplyr':
##
##   first, last
##
## The following object is masked from 'package:tidyr':
##
##   extract

texts = read.csv('TextMessages.csv')

texts$Group <- as.factor(texts$Group)

texts_long <- pivot_longer(texts,
                           cols = c(Baseline, Six_months),
                           names_to = 'time',
                           values_to = 'text_count')

# Creates stratified bar charts of text messages Group and Time (Hint: Faceted Bar Charts).
baseline_barchart <- ggplot(texts_long, aes(x=Group, y=text_count)) +
  geom_bar(stat = "summary", fun = "sum", fill = 'orange', color='black') +
  labs(title='Text totals by Group and Time', y='Total Texts', x='Group') +
  scale_x_discrete(labels = c('1' = 'Group 1', '2' = 'Group 2')) +
  theme_classic() +
  facet_wrap(~time)

baseline_barchart
```

