Example 3: Earthquakes

```
library(lubridate)
earthquakes ← read_table('earthquakes.txt', sep = '|', header = TRUE, skip = 4) %>%
  filter(Magnitude > 5) %>%
  mutate(Time = as_date(Time)) %>%
  filter(Time ⩾ ymd('2018-01-01') & Time ⩽ ymd('2018-12-31')) %>%
  mutate(Month = factor(format(Time, '%B'), month.name))

earthquakes
## # A tibble: 1,366 x 14
##    EventID Time       Latitude Longitude Depth Author Catalog Contributor
##      <int> <date>        <dbl>     <dbl> <dbl> <chr>  <chr>   <chr>
##  1  1.10e7 2018-12-31   -17.5     -175.  171.  us     NEIC P… us
##  2  1.10e7 2018-12-31    37.5      141.   43.3 us     NEIC P… us
##  3  1.10e7 2018-12-31   -31.8      -69.3 101.  us     NEIC P… us
## # … with 1,356 more rows, and 6 more variables: ContributorID <chr>,
## #   MagType <chr>, Magnitude <dbl>, MagAuthor <chr>, EventLocationName <chr>, Month <fct>
```

Example 3

Static Version

```
p ← ggplot(earthquakes) +
  geom_bar(aes(x = Month, fill = stat(count))) +
  scale_fill_distiller(palette = 'Reds',
                       direction = 1) +
  scale_y_continuous(expand = c(0, 0, 0.05, 0)) +
  labs(x = NULL, y = 'Count') +
  theme_minimal() +
  theme(panel.grid = element_blank(),
        panel.grid.major.y = element_line(
          colour = 'white'
        ),
        panel.ontop = TRUE,
        axis.text.x = element_text(
          angle = 45, hjust = 1, vjust = 1
        ),
        legend.position = 'none')
p
```