

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

