Data visualization

```
outbreak %>%
  ggplot()+
  geom_bar(aes(x = episode_week, y = cases, fill = outbreak_or_sporadic),
           stat= "identity")+
  labs(title = 'Cases by outbreak type and week in Toronto, Canada',
       subtitle = 'Confirmed and probable cases',
       x = 'Date',
       y = 'Case count',
       caption = str_c('Created by: Chen Zhang for STA303/1002, U of T\n',
                       'Source: Ontario Ministry of Health,',
                       ' Integrated Public Health Information System and CORES\n',
                       date_daily[1,1]))+
  scale_x_date(labels = scales::date_format("%d %b %y"), limits = c(date('2020-01-01'),
  Sys.Date()+7))+
  scale_y_continuous(limits = c(0, max(outbreak$total_cases)))+
  theme_minimal() +
  theme(legend.title = element_blank(), legend.position = c(0.15, 0.8))+
  scale_fill_manual(values = c('#86BCB6', '#B9CA5D'))
```