

Data visualization

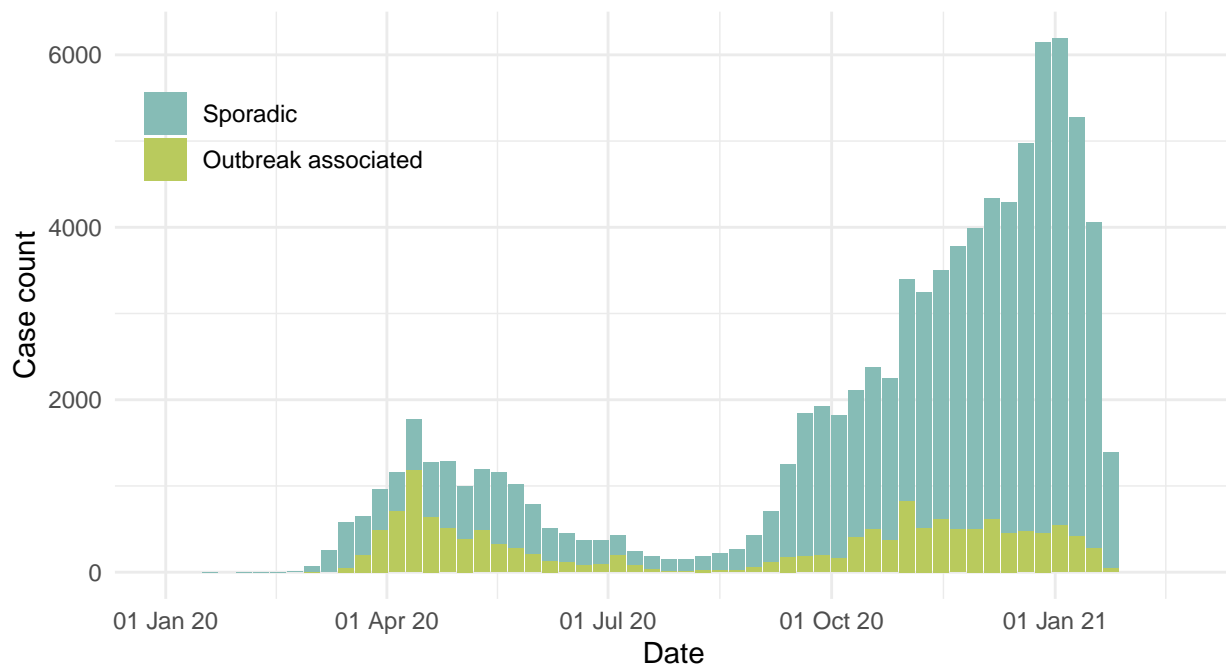
```

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'))

```

Cases by outbreak type and week in Toronto, Canada

Confirmed and probable cases



Created by: Chen Zhang for STA303/1002, U of T
 Source: Ontario Ministry of Health, Integrated Public Health Information System and CORES
 Data as of January 29, 2021