Project Management Exercise

Christina Leyson

May 17, 2017

Middle Eastern Respiratory Coronavirus

The Middle Eastern Respiratory virus or MERS is a human pathogen that belongs to the family Coronavirus. It has a single-stranded positive-sense genome with about 25 kilobases in length.

$z = 3$

MERS causes a respiratory illness, especially in patients with co-morbidities.

Here is the

```r
library(ggplot2)
library(lubridate)
mers <- read.csv('cases.csv')
mers$onset2 <- ymd(mers$onset)
```

```
## Warning: 1 failed to parse.
```

```r
mers$hospitalized2 <- ymd(mers$hospitalized)
```

```
## Warning: 5 failed to parse.
```

```r
day0 <- min(na.omit(mers$onset2))

mers$epi.day <- as.numeric(mers$onset2 - day0)
```
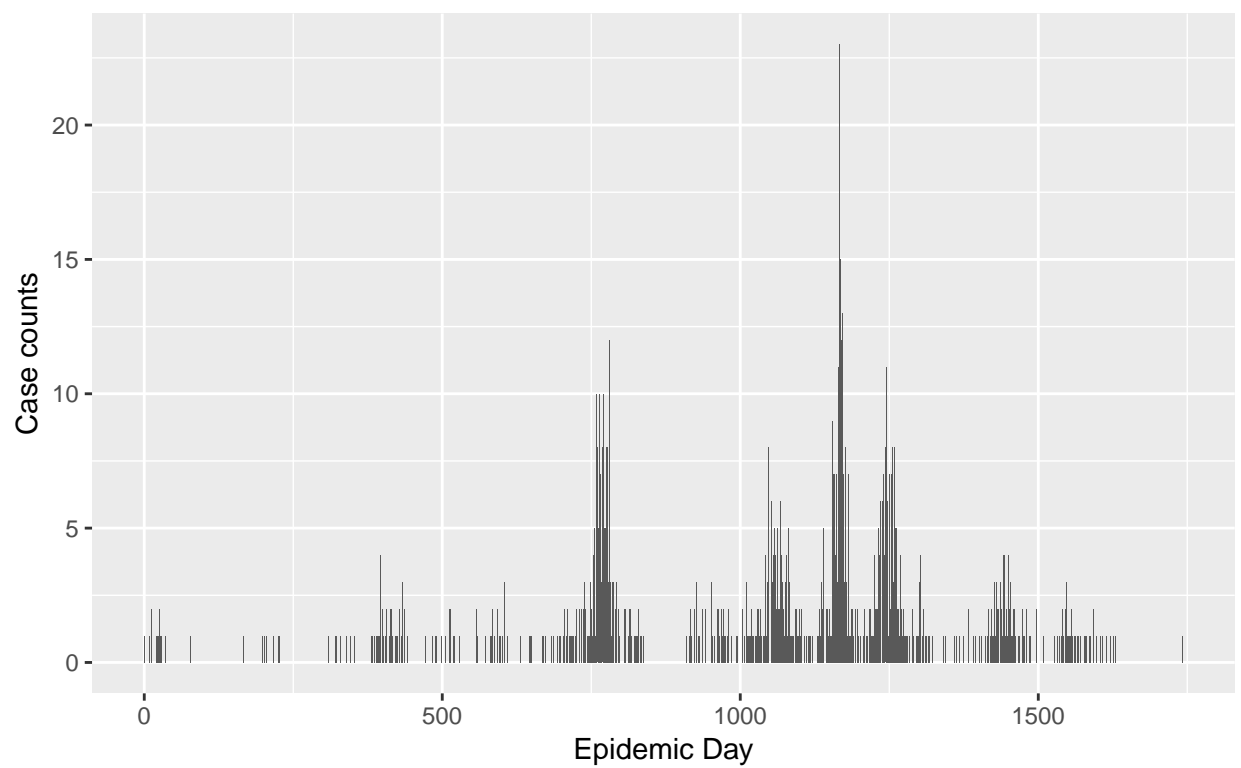
Including Plots

Here's the plot for the total cases from 2012-2016:

```r
ggplot(data=mers) +
  geom_bar(mapping=aes(x=epi.day))+
  labs(x="Epidemic Day", y="Case counts", title="Global count of MERS cases by date of symptom onset",
```

```
## Warning: Removed 536 rows containing non-finite values (stat_count).
```

Global count of MERS cases by date of symptom onset

Date from the univeRRRse