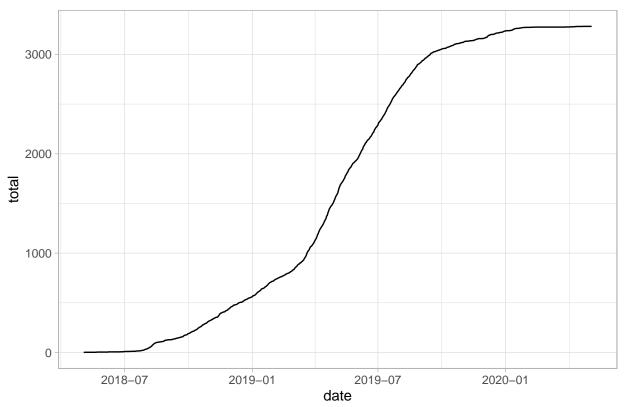
Ebola Forecasting Analysis

Andy Shen

8/13/2020

Actual Recorded DRC Ebola Cases

Actual Recorded DRC Ebola Cases



```
max(ymd("2020-09-23","2020-10-12","2019-12-30"))
```

[1] "2020-10-12"

Accuracy of Hawkes Projections

Forecast Projections

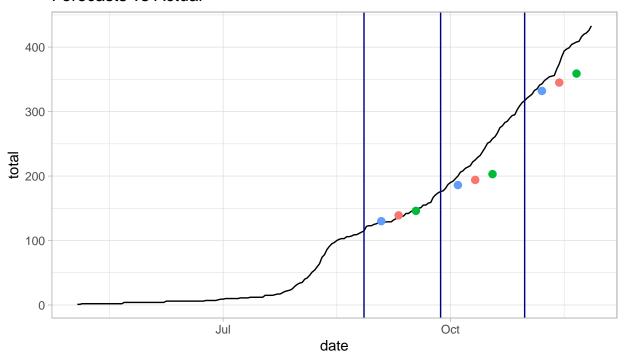
```
source("outbreak_vis.R")

dv <- c("2018-08-27","2018-09-27","2018-10-31")

mt <- cbind(c(15,24,31),c(10,18,27),c(15,28,42))

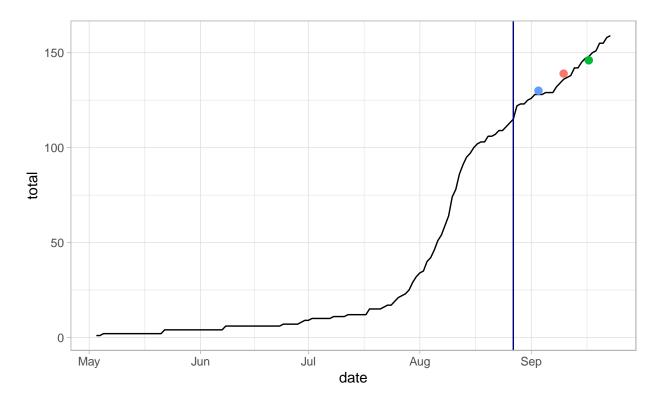
multi_forecast(dv, mt, title = "Forecasts vs Actual") #shows predicted vs actual for three forecasts</pre>
```

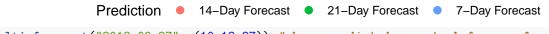
Forecasts vs Actual

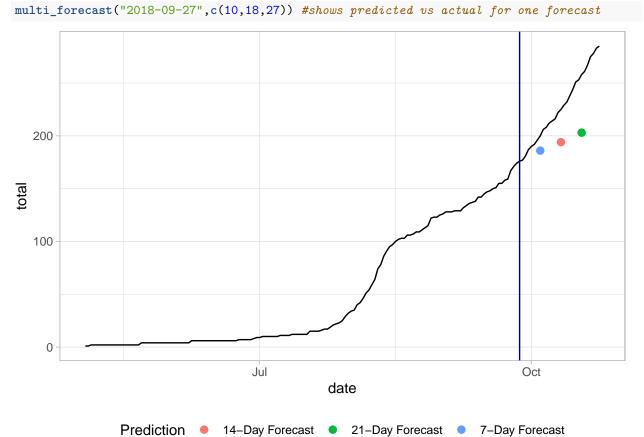


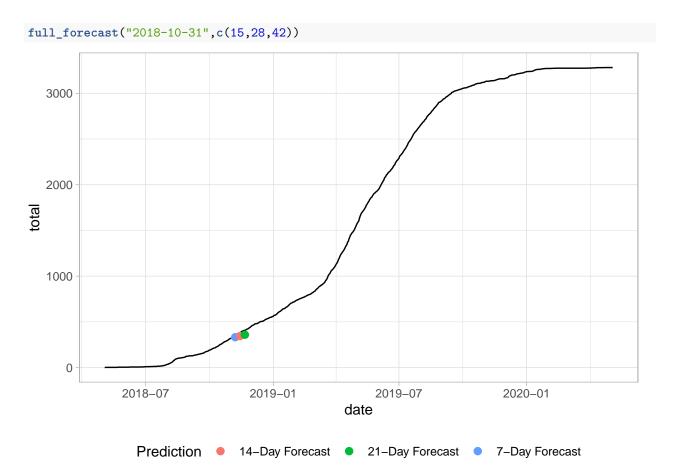
Prediction • 14–Day Forecast • 21–Day Forecast • 7–Day Forecast

multi_forecast("2018-08-27",c(15,24,31)) #shows predicted vs actual for one forecast









#shows predicted vs actual for one forecast wrt entire outbreak