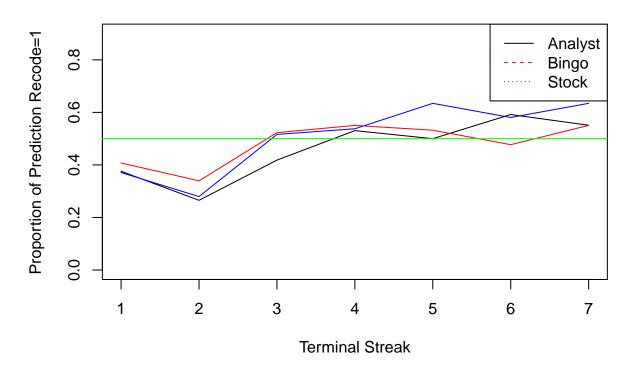
```
library(readxl)
data <- read_excel("../Data/PredictingOutcomes_ParticipantPredictions.xlsx", sheet = "Study 3B")</pre>
# divide the data based on the generator
data1 <- data[data$generator == "analyst",]</pre>
data2 <- data[data$generator == "bingo",]</pre>
data3 <- data[data$generator == "stock",]</pre>
give count of entries in all three data
nrow(data1)
## [1] 1764
nrow(data2)
## [1] 1962
nrow(data3)
## [1] 1674
calculate the proportion of participants who predicted the prediction_recode=1 for each termi-
nal streak length from 1 to 7
prop1 <- aggregate(data1$prediction_recode, by = list(data1$terminal_streak_length), FUN = mean)
prop2 <- aggregate(data2$prediction_recode, by = list(data2$terminal_streak_length), FUN = mean)</pre>
prop3 <- aggregate(data3$prediction_recode, by = list(data3$terminal_streak_length), FUN = mean)
prop1
##
     Group.1
## 1
           1 0.3758503
## 2
           2 0.2653061
## 3
           3 0.4183673
## 4
           4 0.5306122
           5 0.5000000
## 5
## 6
           6 0.5918367
## 7
           7 0.5510204
prop2
##
     Group.1
## 1
           1 0.4074924
## 2
           2 0.3394495
## 3
           3 0.5229358
## 4
           4 0.5504587
           5 0.5321101
## 5
## 6
           6 0.4770642
## 7
           7 0.5504587
prop3
     Group.1
                      х
## 1
           1 0.3709677
## 2
           2 0.2795699
## 3
           3 0.5161290
           4 0.5376344
## 4
## 5
           5 0.6344086
```

```
## 7  7 0.6344086
plot(prop1$Group.1,prop1$x, type = "l",ylim=c(0.0,0.9), xlab = "Terminal Streak", ylab = "Proportion of
lines(prop2$Group.1,prop2$x, col = "red")
lines(prop3$Group.1,prop3$x, col = "blue")
abline(h = 0.5, col = "green")
legend("topright", legend = c("Analyst", "Bingo", "Stock"), col = c("black", "red", "blue"), lty = 1:3)
```

## **Proportion of Prediction Recode=1 for each Terminal Streak**



## 6

6 0.5806452