2075

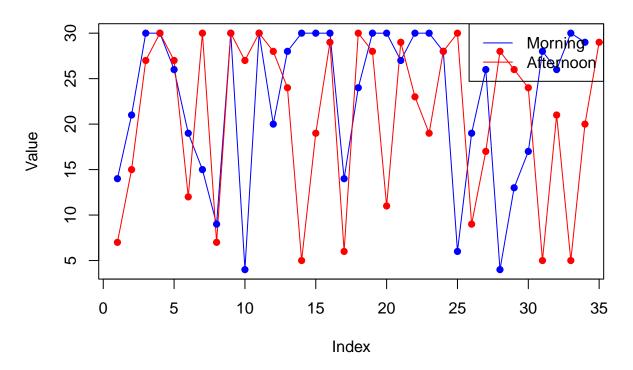
2075

2023-12-21

1. Stroop test

Import the data and plot them in a useful way:

Line Plot of Values by Time of Day



Is there a difference in performance on the Stroop task between the morning and afternoon group?

```
stroop_test<-t.test(data1$Time == 'Morning', data1$Time == 'Afternoon')
print(stroop_test)</pre>
```

P-value>0.05 No difference

##2. Marathon finishing times

```
#import the data
data2<-read.csv('/Users/shennuo/ADS_2023/Chicago2013_random_finishers.csv')
#plot
plot(data2$Age, data2$Time,</pre>
```

```
col = ifelse(data2$Gender == "M", "blue", "pink"),
pch = 16, xlab = "Age", ylab = "Finishing Time",
main = "Finishing Time vs. Age by Gender")
```

Finishing Time vs. Age by Gender

