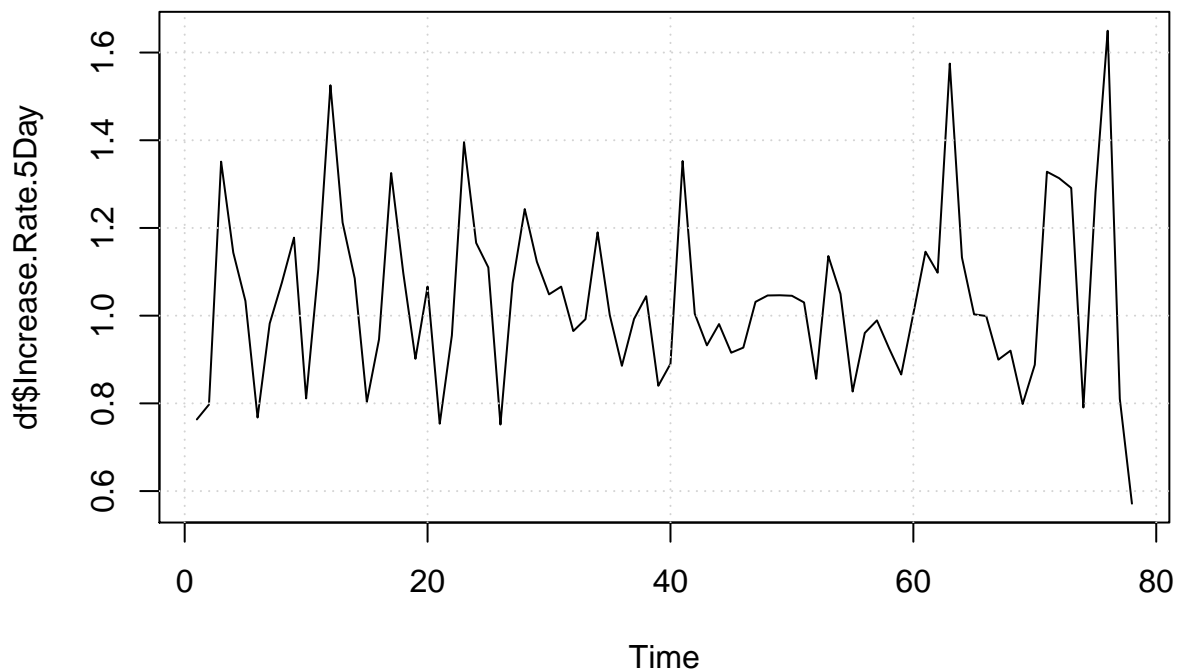# Run Chart

Enqun Wang

May 1, 2016

Run Chart

```r
setwd("/Users/ewenwang/Dropbox/Data Science/DMAIC/Case Study/3-Analyze")
df = data.frame(read.csv("data.csv", header = T)[-c(1:4),])

require(ggplot2)

summary(df$Increase.Rate.5Day)
```
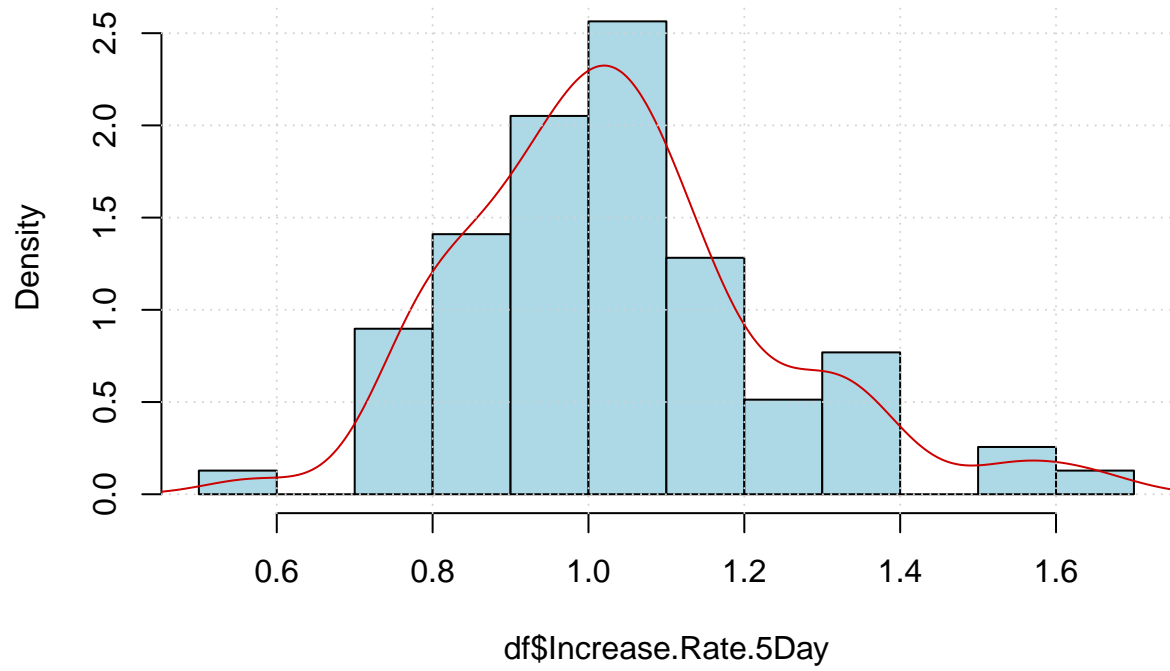
```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##  0.5714  0.9051  1.0170  1.0370  1.1300  1.6500
```

```r
plot.ts(df$Increase.Rate.5Day)
grid()
```



```r
hist(df$Increase.Rate.5Day, freq = F, col = "lightBlue")
lines(density(df$Increase.Rate.5Day), col = "red3")
grid()
```

Histogram of df$Increase.Rate.5Day


```
qqnorm(df$Increase.Rate.5Day)
qqline(df$Increase.Rate.5Day, col = "red3")
grid()
```

Normal Q−Q Plot