

# Experimental Complexity Analysis

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Experimental complexity analysis data processing and presentation.

Load experimental data into R:

```
# load experimental data
setwd('~/.github/timecomplex/')
rawData<-read.table(file='test.txt', sep='\t', dec='.')

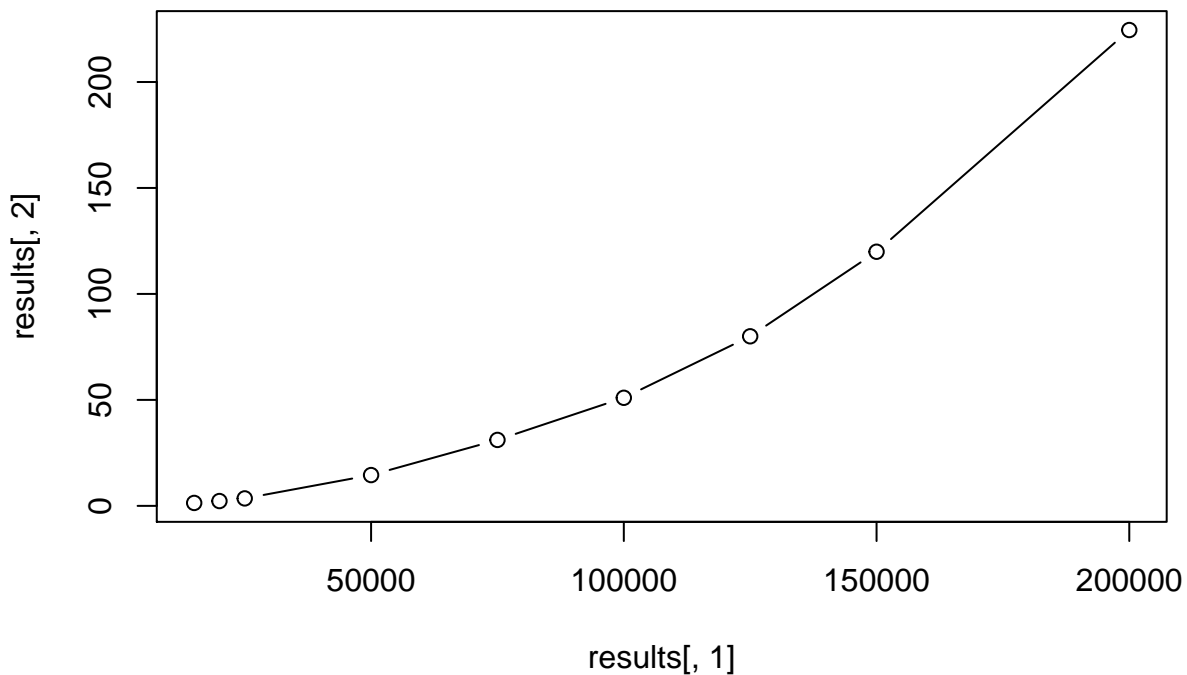
# truncate data for measurments below one second
rawData<-rawData[which(rawData[,1]>10000),]

# assemble and attach data.frame
rawData<-data.frame(nTimes = rawData[,1], runTime = rawData[,2])
attach(rawData)

# aggregate data
results<-aggregate(runTime ~ nTimes, FUN = mean)
```

You can also embed plots, for example:

```
plot(results[,1], results[,2], type = 'b')
```



```
# transforming the data
plot(results[,1], sqrt(results[,2]), type = 'b')
```

