

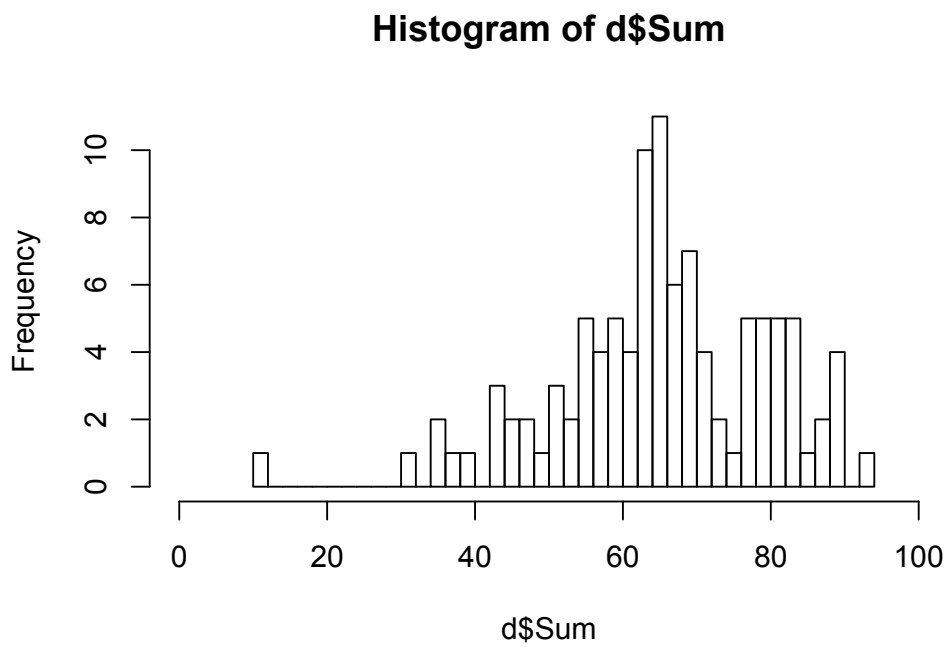
10601 midterm statistics (2012-10-18)

Score distribution stats

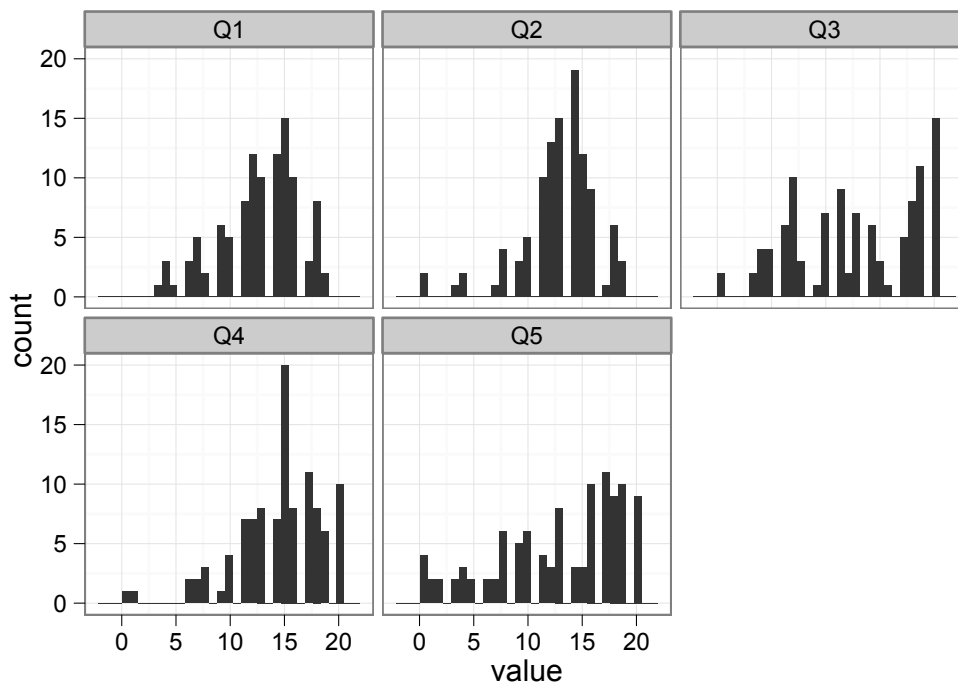
Min. 11.00
1st Qu. 58.00
Median 66.00
Mean 65.55
3rd Qu. 77.00
Max. 93.00

SD 14.4

Score histogram



Score histograms by question

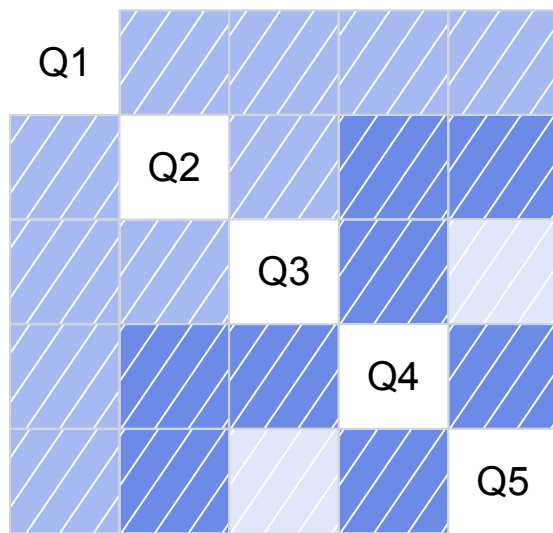


Mean and stddev by question

	variable	Mean	SD
1	Q1	12.7	3.70
2	Q2	12.8	3.52
3	Q3	12.7	5.68
4	Q4	14.5	3.96
5	Q5	12.9	5.82

Correlations between questions -- nothing very interesting.

```
> cor(d[,3:7], use='complete.obs')
      Q1      Q2      Q3      Q4      Q5
Q1 1.000 0.216 0.232 0.251 0.160
Q2 0.216 1.000 0.238 0.293 0.291
Q3 0.232 0.238 1.000 0.377 0.131
Q4 0.251 0.293 0.377 1.000 0.329
Q5 0.160 0.291 0.131 0.329 1.000
```



R code

```
> library(ggplot2)
> library(reshape2)
> library(Hmisc)
> hist(d$Sum, 50, xlim=c(0,100))
> t(t(summary(d$Sum[!is.na(d$Sum)])))
> sd(d$Sum[!is.na(d$Sum)])
> qplot(value, facets=~variable, data=melt((d[,3:7])))
> ddply(melt(d[!is.na(d$Sum),3:7]), .(variable), function(x) smean.sd(x
$value))
> cor(d[,3:7], use='complete.obs')
> library(corrgram)
> corrgram(d[,3:7])
```