

Today: Loose Ends from Ch 8-12

Example: Analysis of
and

Table 1.9 (National Track Records for Women) p 45
Table 8.6 (National Track Records for Men) p 473

Questions:

Sampling Structure? Objectives? More Data Needed?

Outliers and what to do with them? Data Screening Options – ordering rows.

Star Plots? Sorted? Mention Andrews Plots (Biometric March 1972)

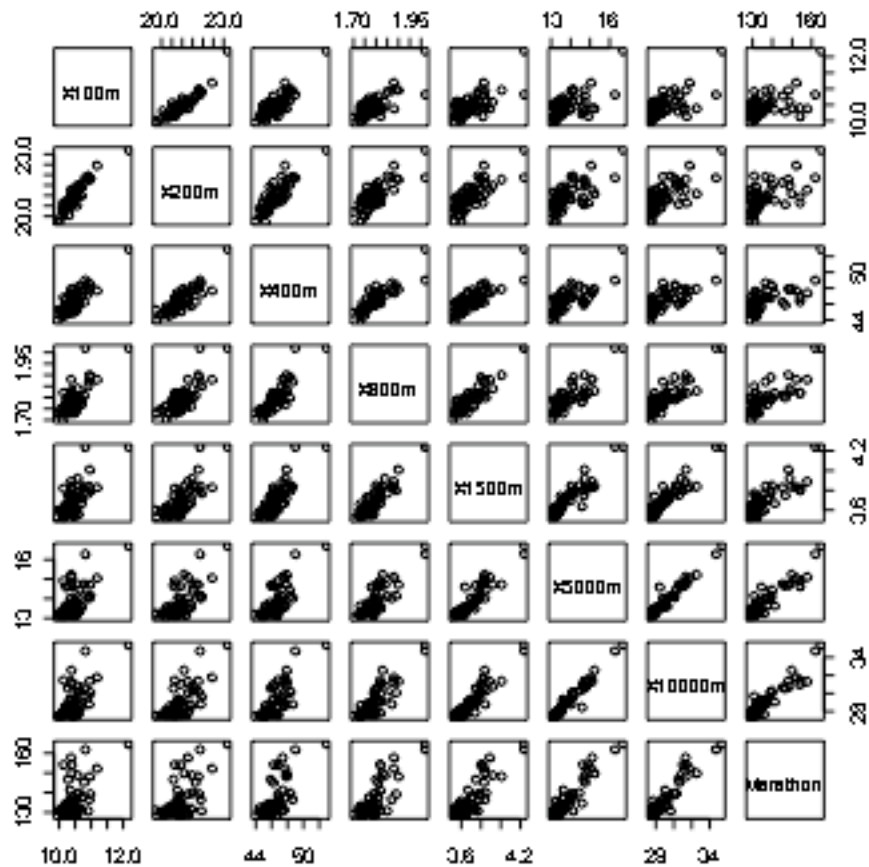
princomp

Plotting size (cex) and labels (text)

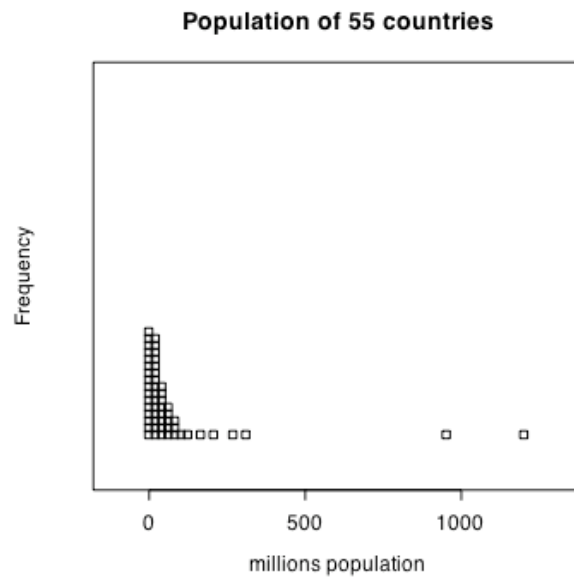
Absolute comparisons or standardize variables? scree for both

factanal

cluster analysis (hclust)



```
my.dotplot(population,xlab="millions population",main="Population of 55 countries")
```



Sort data by population (Excel?)

```
stars(T8.6.sorted.df,draw.segments=T)
```



```

a=princomp(T8.6.df)
> attributes(a)
$names
[1] "sdev" "loadings" "center"
[4] "scale" "n.obs" "scores"
[7] "call"

$class
[1] "princomp"

> plot(a[[6]][,1],a[[6]][,2])
> text(a[[6]][,1],a[[6]][,2],rownames(T8.6.df))

```

