TRELLY'S DISPLAY
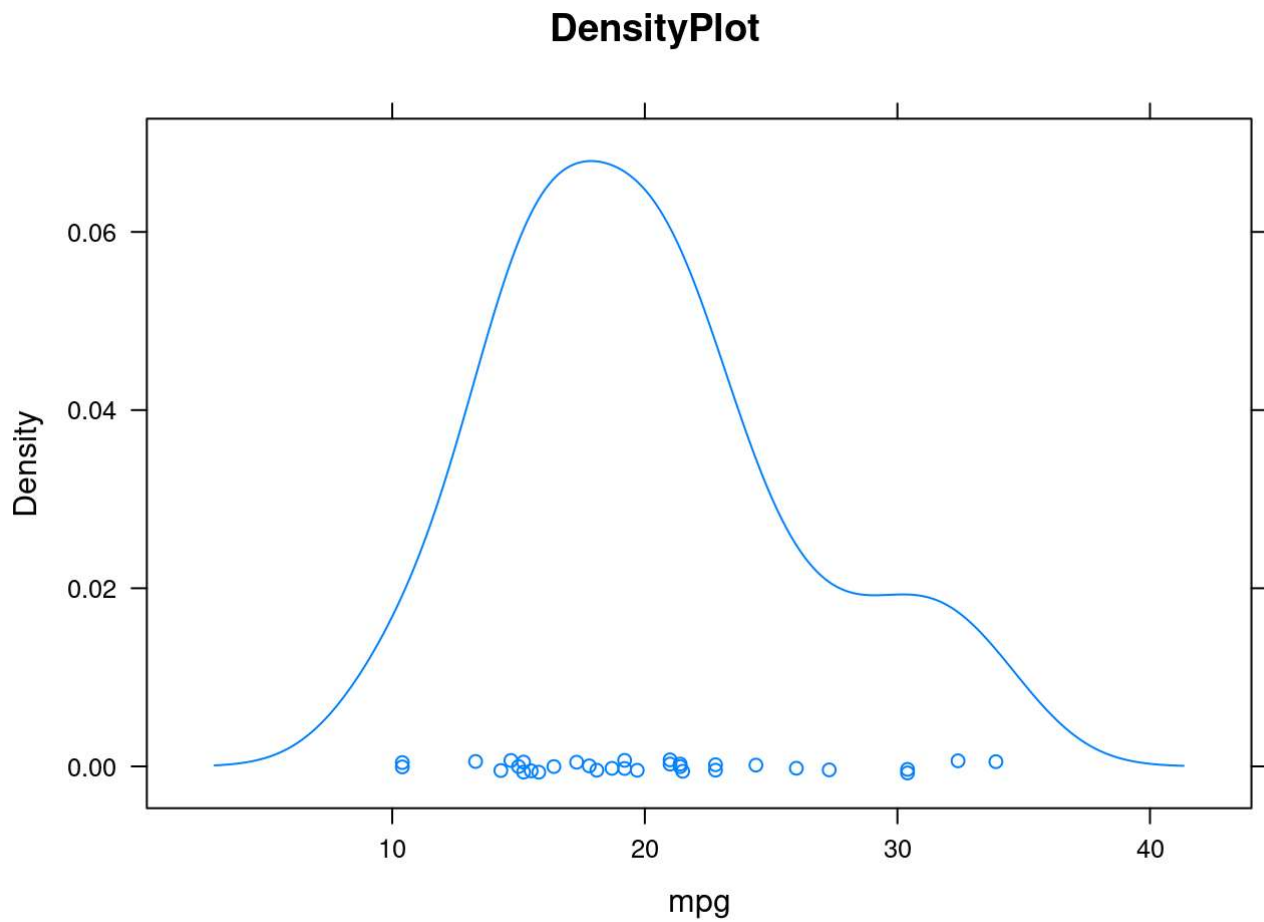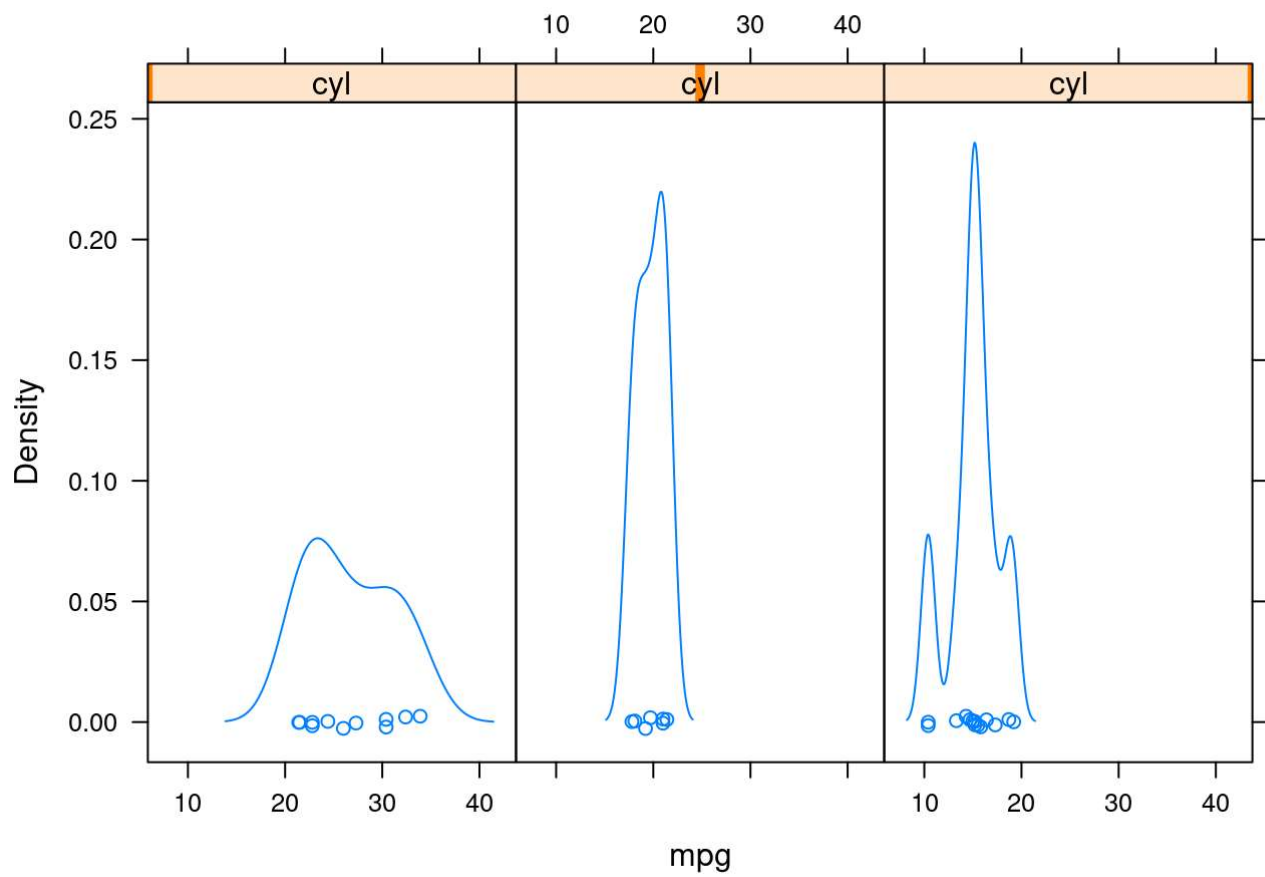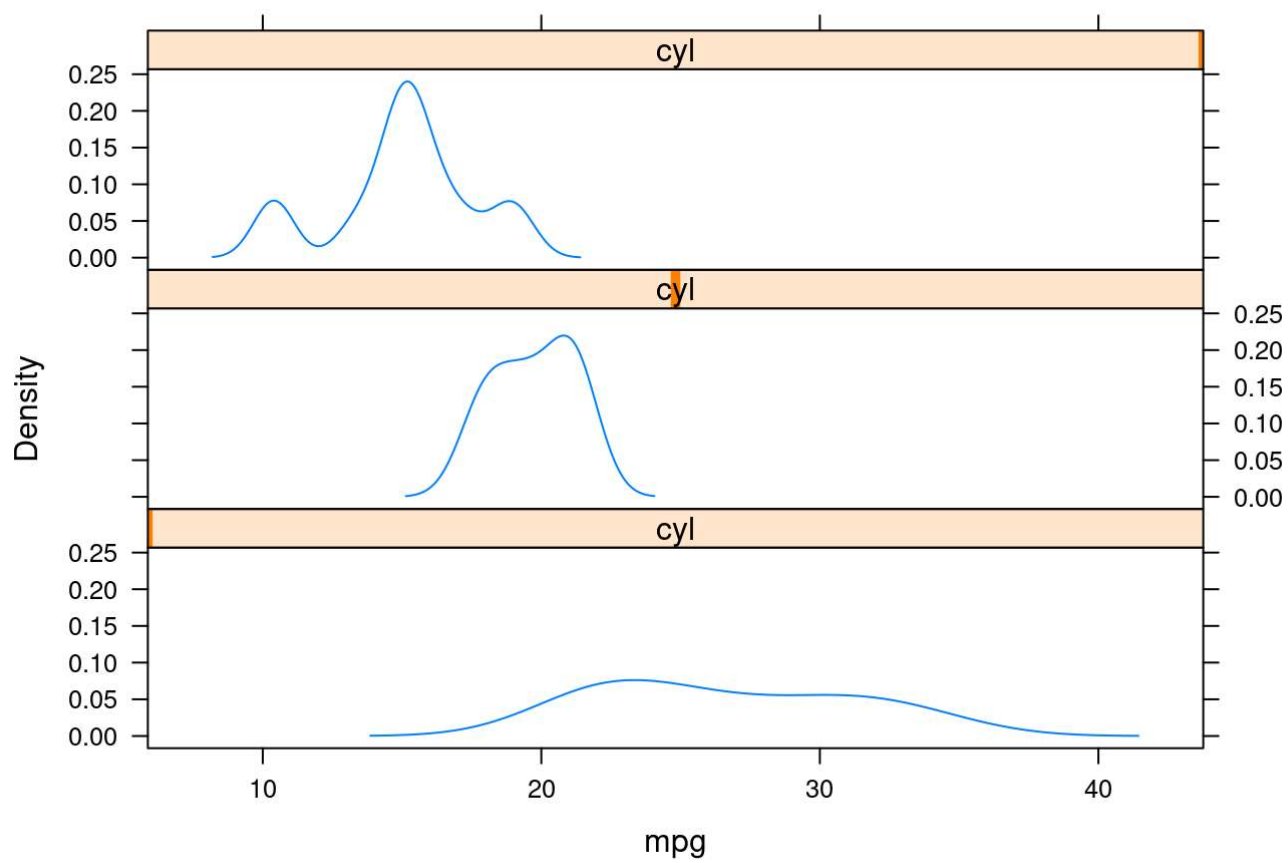
```
library(lattice)
attach(mtcars)
gear_f = factor(gear,levels=c(3,4,5),labels("3gears","4gears","5gears"))
cyl_f  = factor(cyl,levels=c(4,6,8),labels("4cyl","6cyl","8cyl"))
densityplot(~mpg,main="DensityPlot")
```
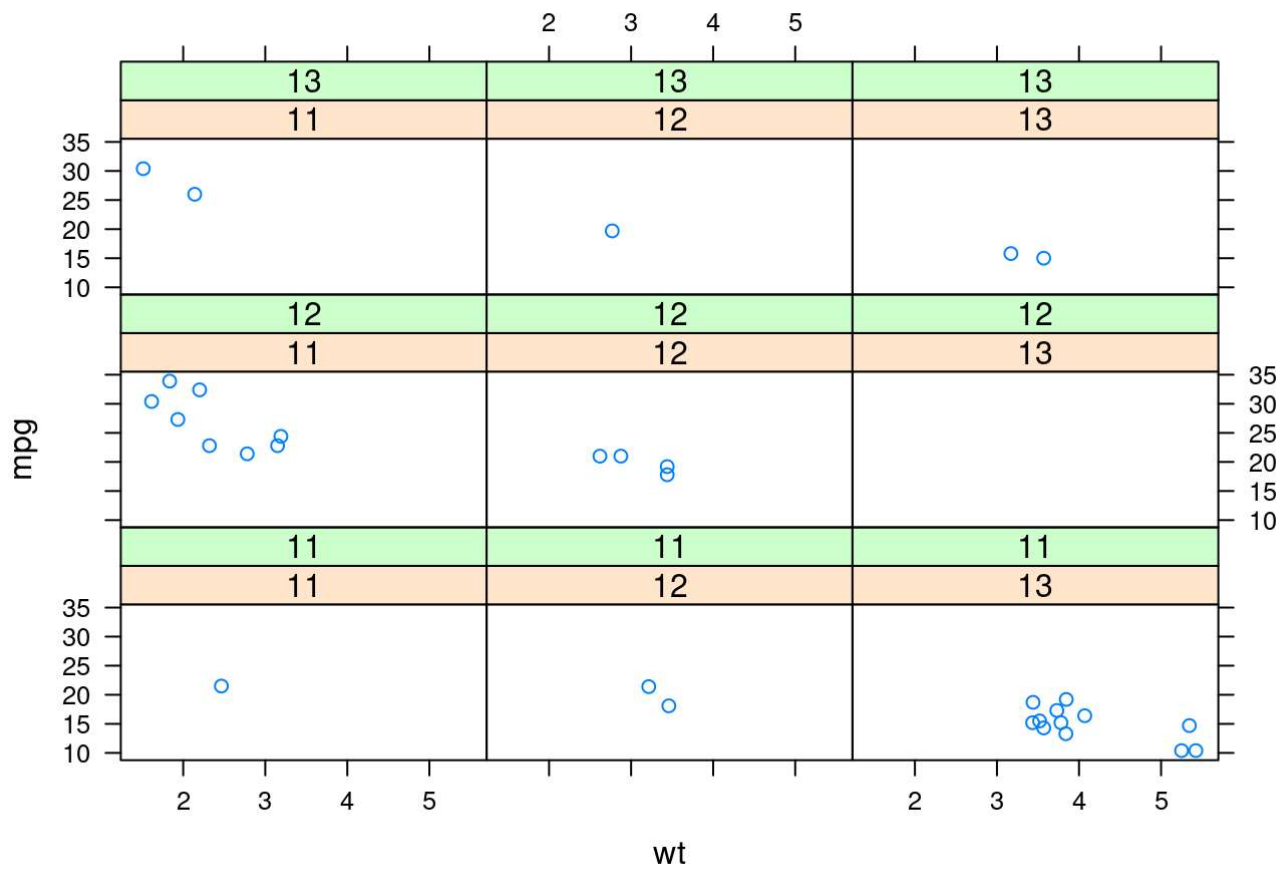
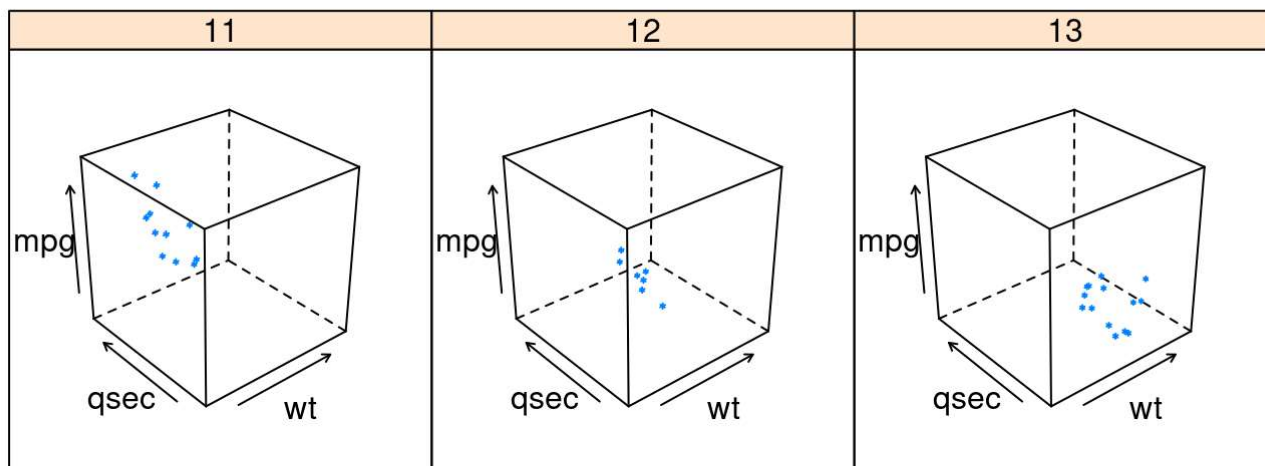## DensityPlot


```
densityplot(~mpg|cyl)
```

```
densityplot(~mpg|cyl,layout=c(1,3),plot.points=FALSE)
```

```
xyplot(mpg~wt|cyl_f*gear_f)
```
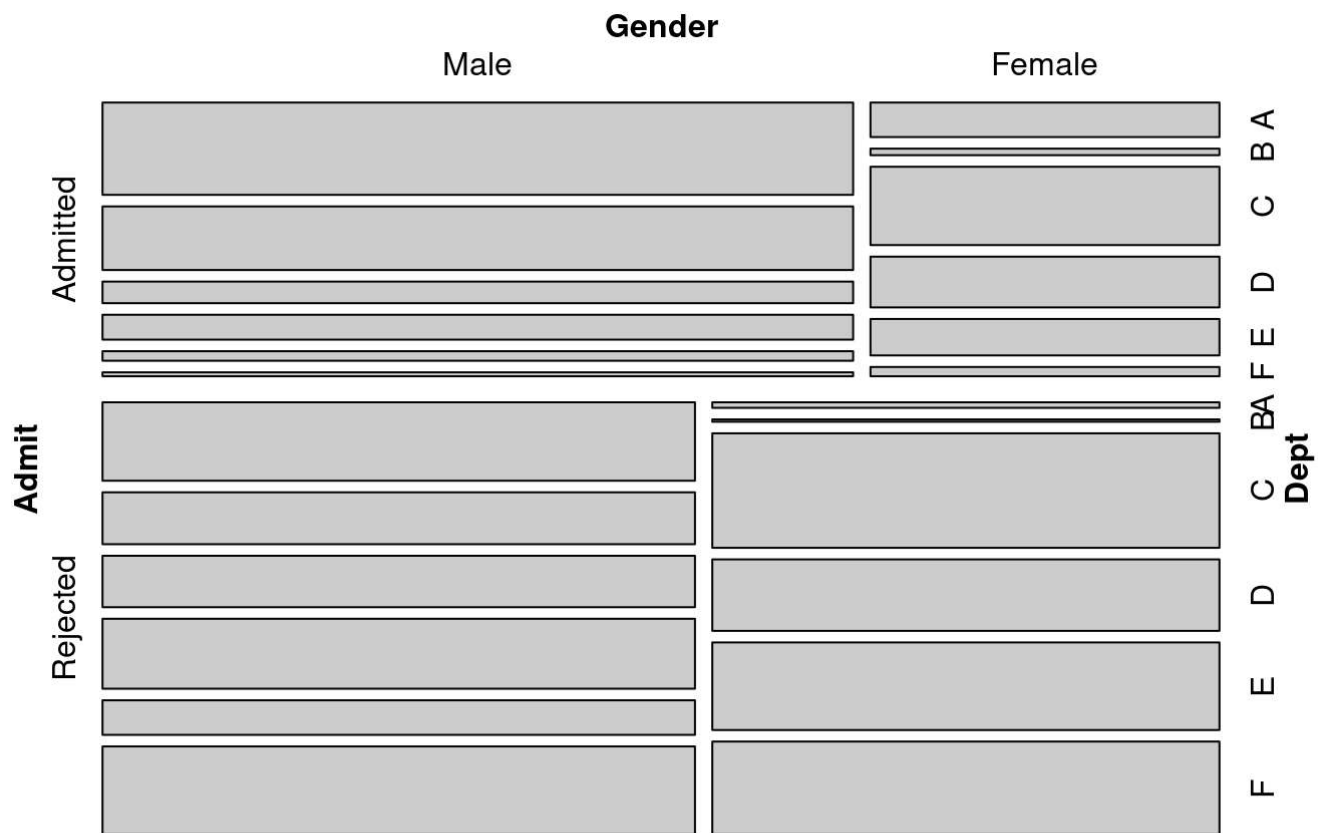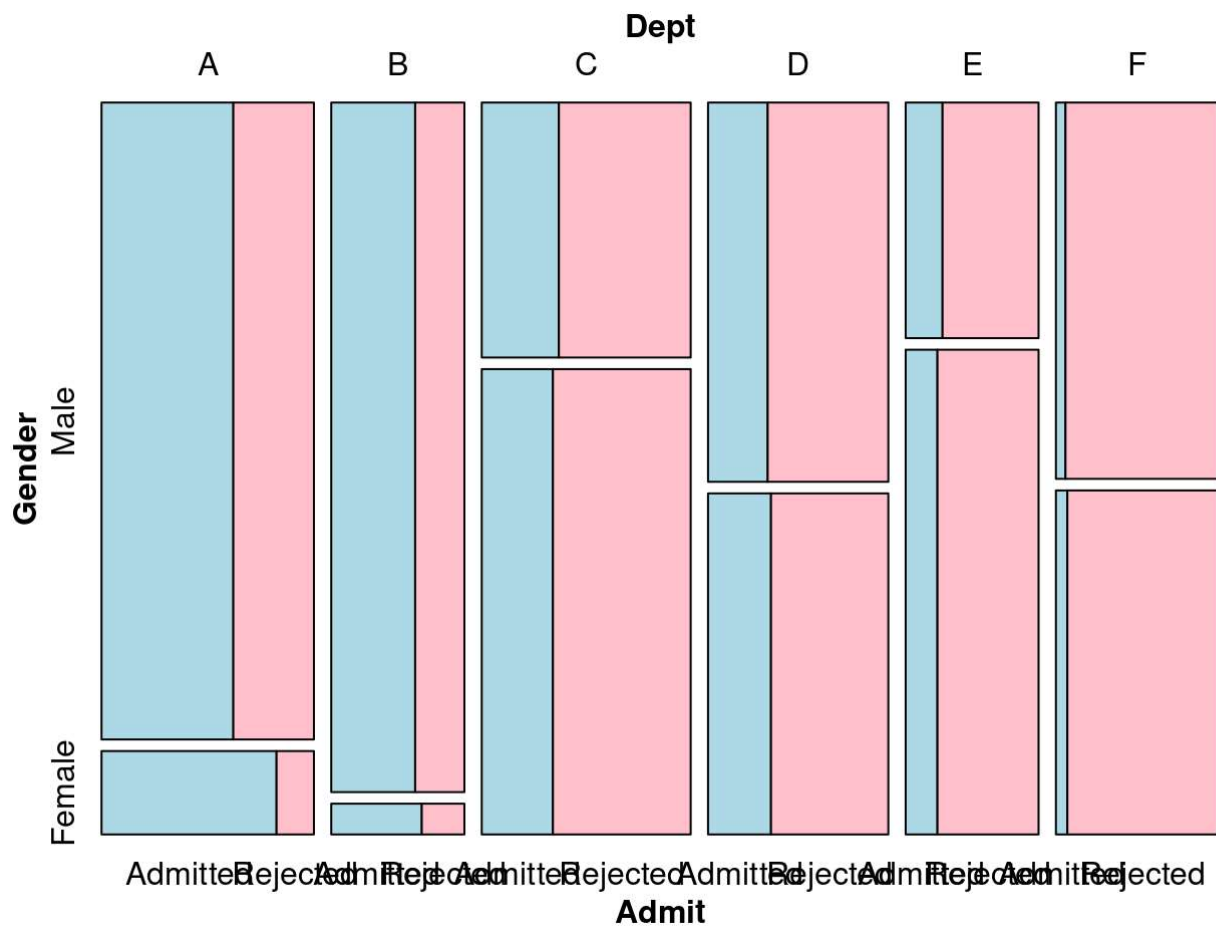
```
cloud(mpg~wt*qsec|cyl_f)
```

MOSAIC PLOT

```
library(vcd)
```

```
## Loading required package: grid
```

```
mosaic(~Admit+Gender+Dept,data=UCBAdmissions)
```

Gender

Male — Female

Admitted

Admit

Rejected

A B C D E F A B C D E F

Dept

```
mosaic(~Dept+Gender+Admit,data=UCBAdmissions,highlighting="Admit",
       highlighting_fill=c("lightblue","pink"),direction=c("v","h","v"))
```
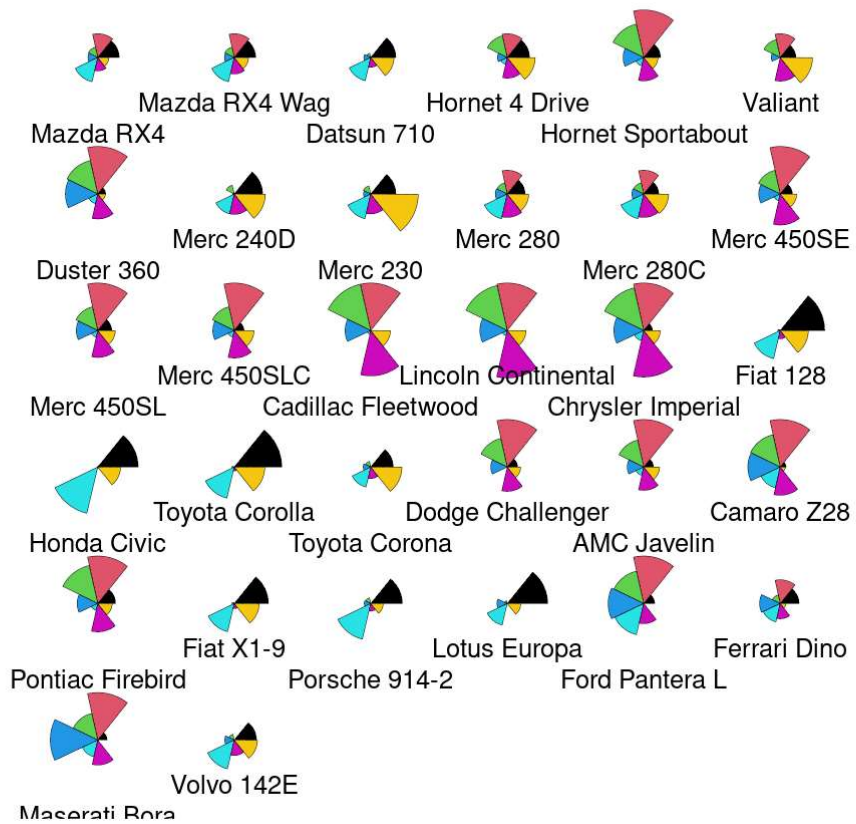
STAR PLOTS

```
stars(mtcars[1:7],len=0.8,keys=c(12,2),draw.segments = TRUE)
```

```
## Warning in plot.window(...): "keys" is not a graphical parameter
```

```
## Warning in plot.xy(xy, type, ...): "keys" is not a graphical parameter
```

```
## Warning in title(...): "keys" is not a graphical parameter
```

Mazda RX4 Wag   Hornet 4 Drive   Valiant
Mazda RX4   Datsun 710   Hornet Sportabout
Merc 240D   Merc 280   Merc 450SE
Duster 360   Merc 230   Merc 280C
Merc 450SLC   Lincoln Continental   Fiat 128
Merc 450SL   Cadillac Fleetwood   Chrysler Imperial
Toyota Corolla   Dodge Challenger   Camaro Z28
Honda Civic   Toyota Corona   AMC Javelin
Fiat X1-9   Lotus Europa   Ferrari Dino
Pontiac Firebird   Porsche 914-2   Ford Pantera L
Volvo 142E
Maserati Bora

```
stars(mtcars[1:7],len=0.8,keys=c(12,2),full = FALSE)
```

```
## Warning in plot.window(...): "keys" is not a graphical parameter
```

```
## Warning in plot.xy(xy, type, ...): "keys" is not a graphical parameter
```

```
## Warning in title(...): "keys" is not a graphical parameter
```

Mazda RX4

Mazda RX4 Wag

Datsun 710

Hornet 4 Drive

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Duster 360

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Merc 280

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