

Prezentacja i wizualizacja danych

Organizacyjnie

Prowadzący:

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<http://mariuszrafalo.pl> (hasło:WIZ)

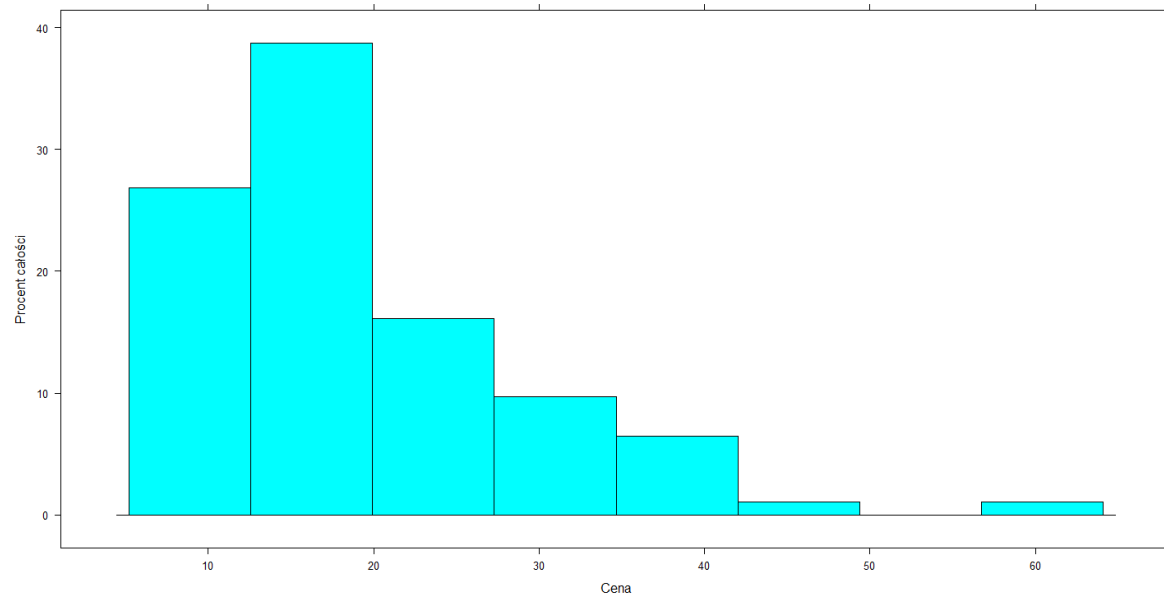
Wybrane funkcje z pakietu *lattice*

lattice: zasady

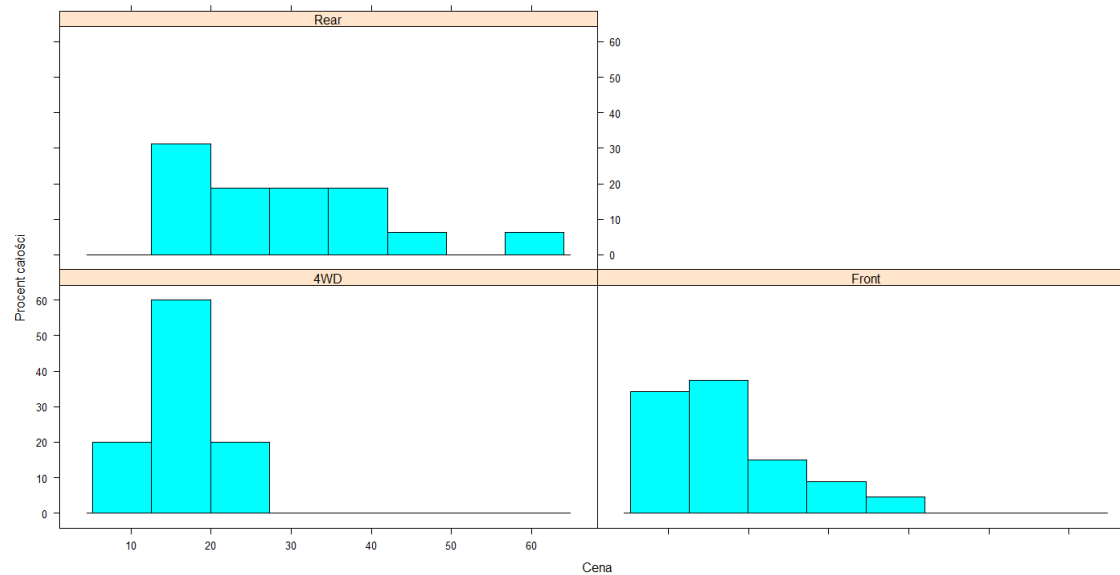
- Jedna zmienna: $\sim x$
- Współzależność: $x \sim y$
- Grupowanie: $\sim x \mid A$
- Grupowanie relacji: $x \sim y \mid A$
- Kategorie na wykresie: $\text{groups} = B$

histogram

```
histogram(~Price,  
xlab="Cena", data=dane)
```

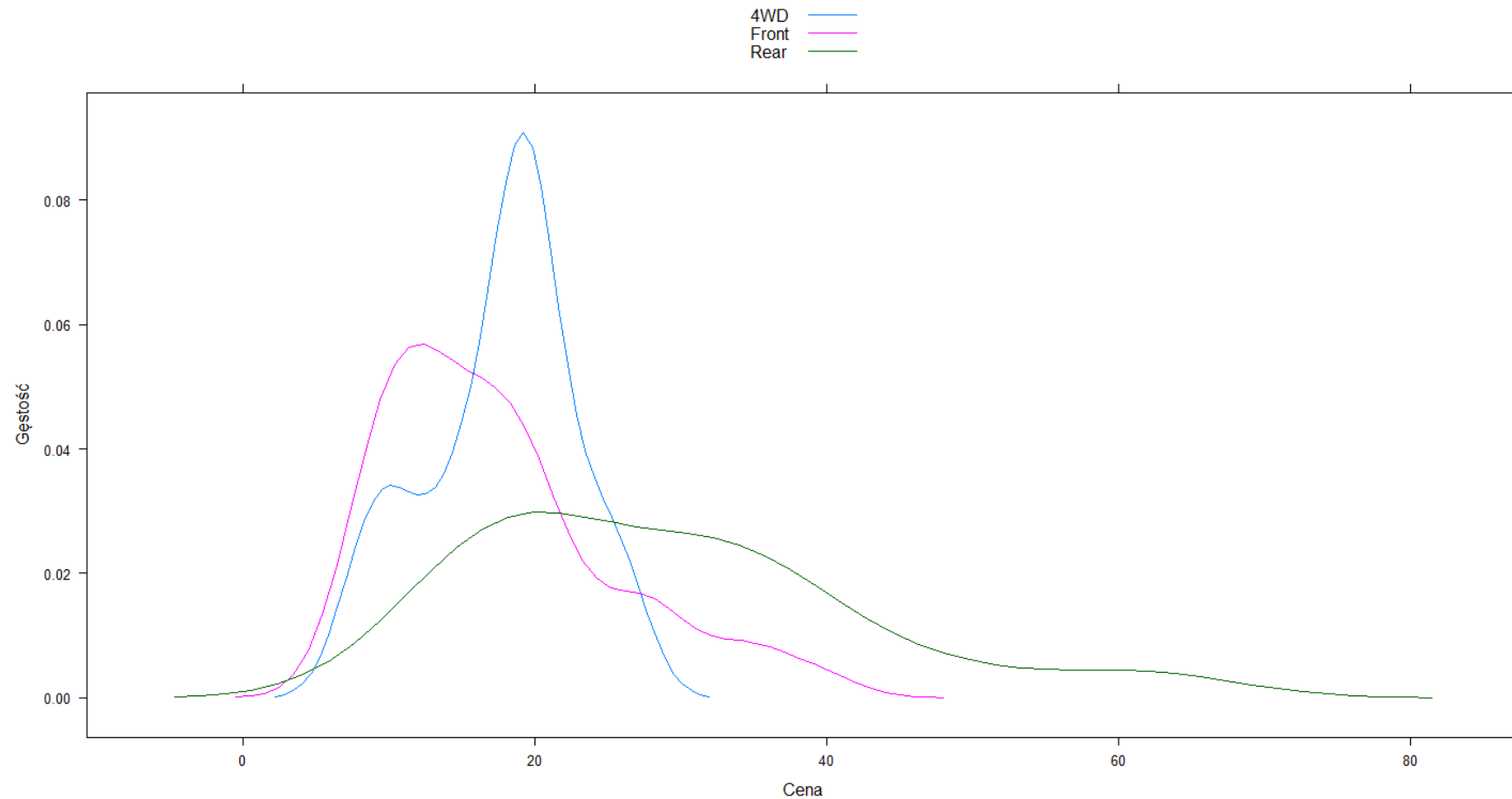


```
histogram(~Price|DriveTrain,  
xlab="Cena", data=dane)
```



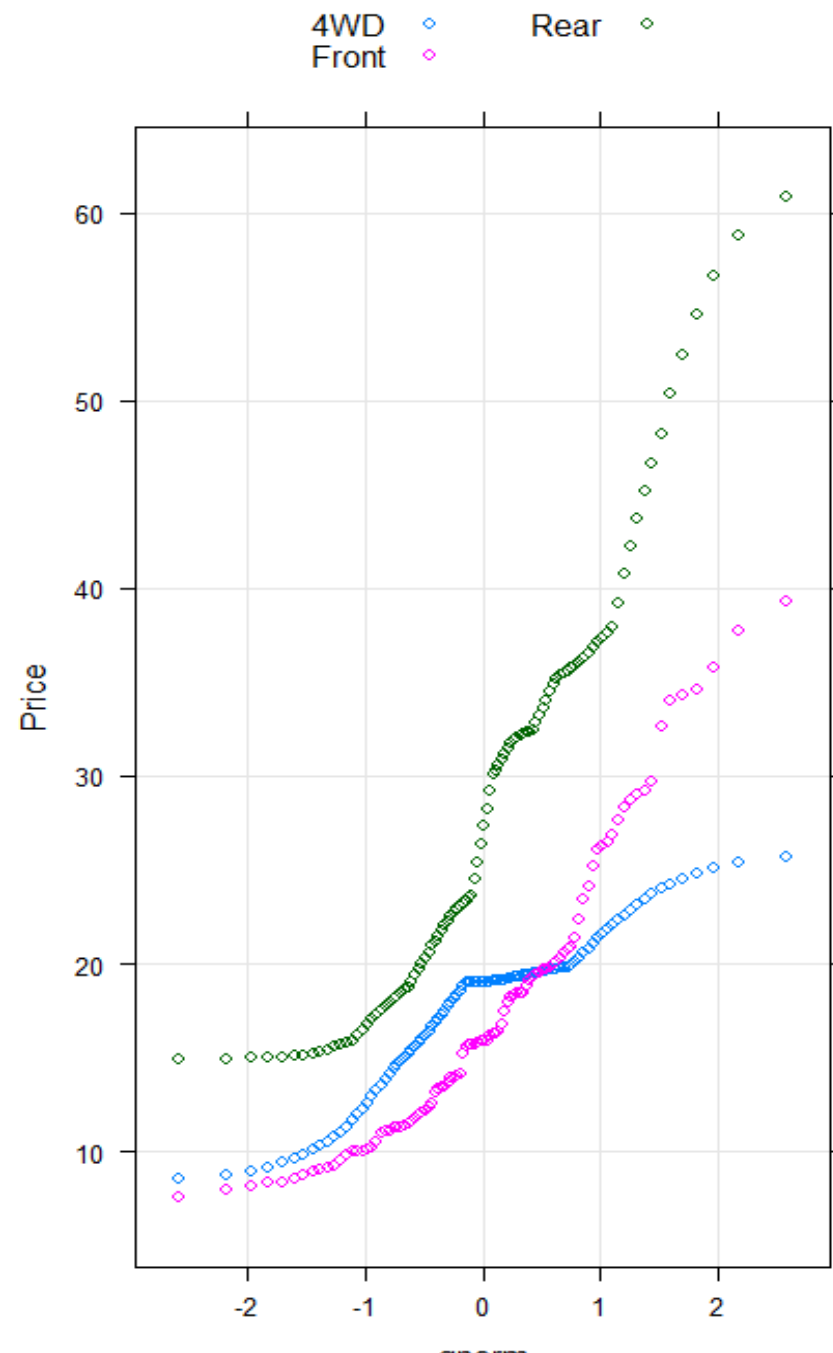
densityplot

```
densityplot(~Price, xlab="Cena", data=dane, groups=DriveTrain,  
plot.points=FALSE, auto.key = TRUE)
```



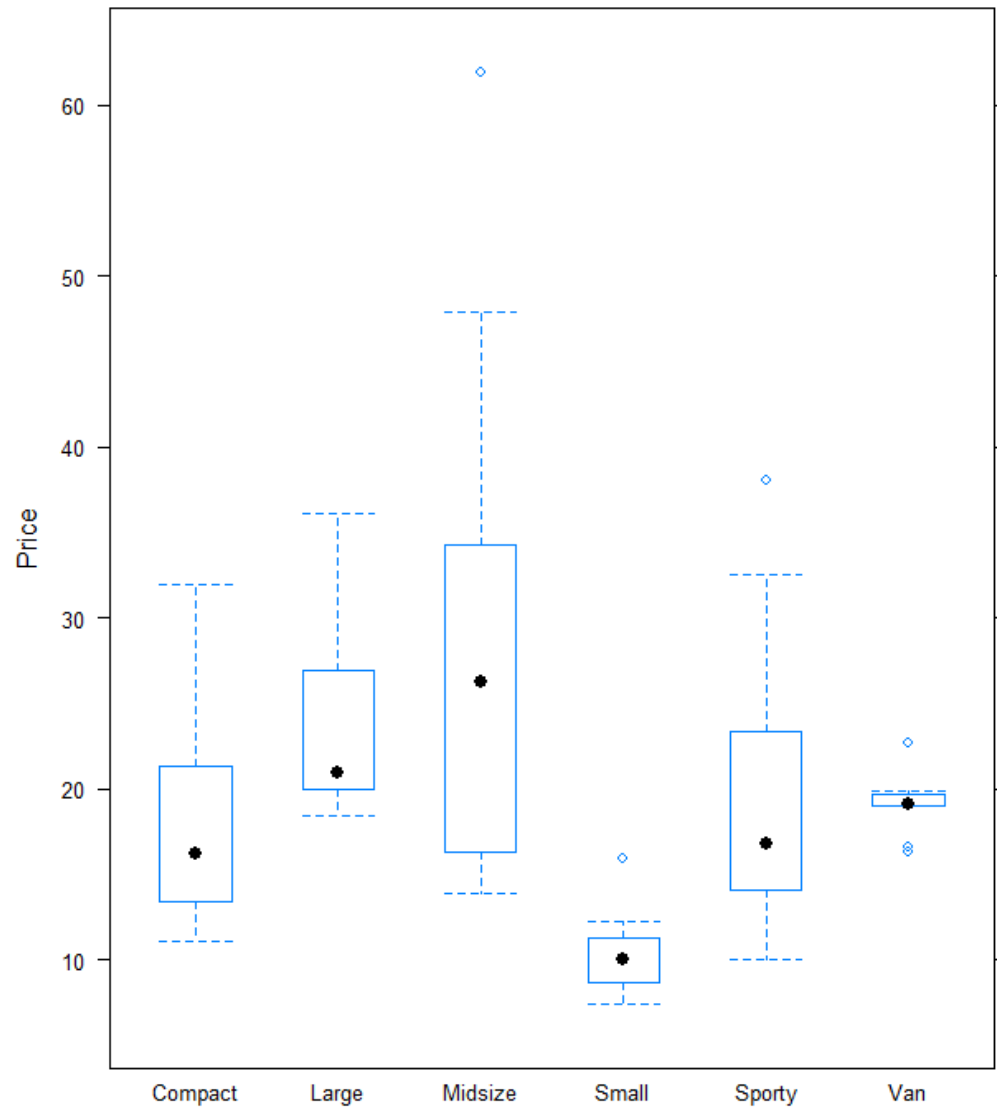
qqmath

```
qqmath(~ Price , dane, groups = DriveTrain,  
       f.value = ppoints(100),  
       auto.key = list(columns = 2), type =  
       c("p", "g"), aspect = "xy")
```



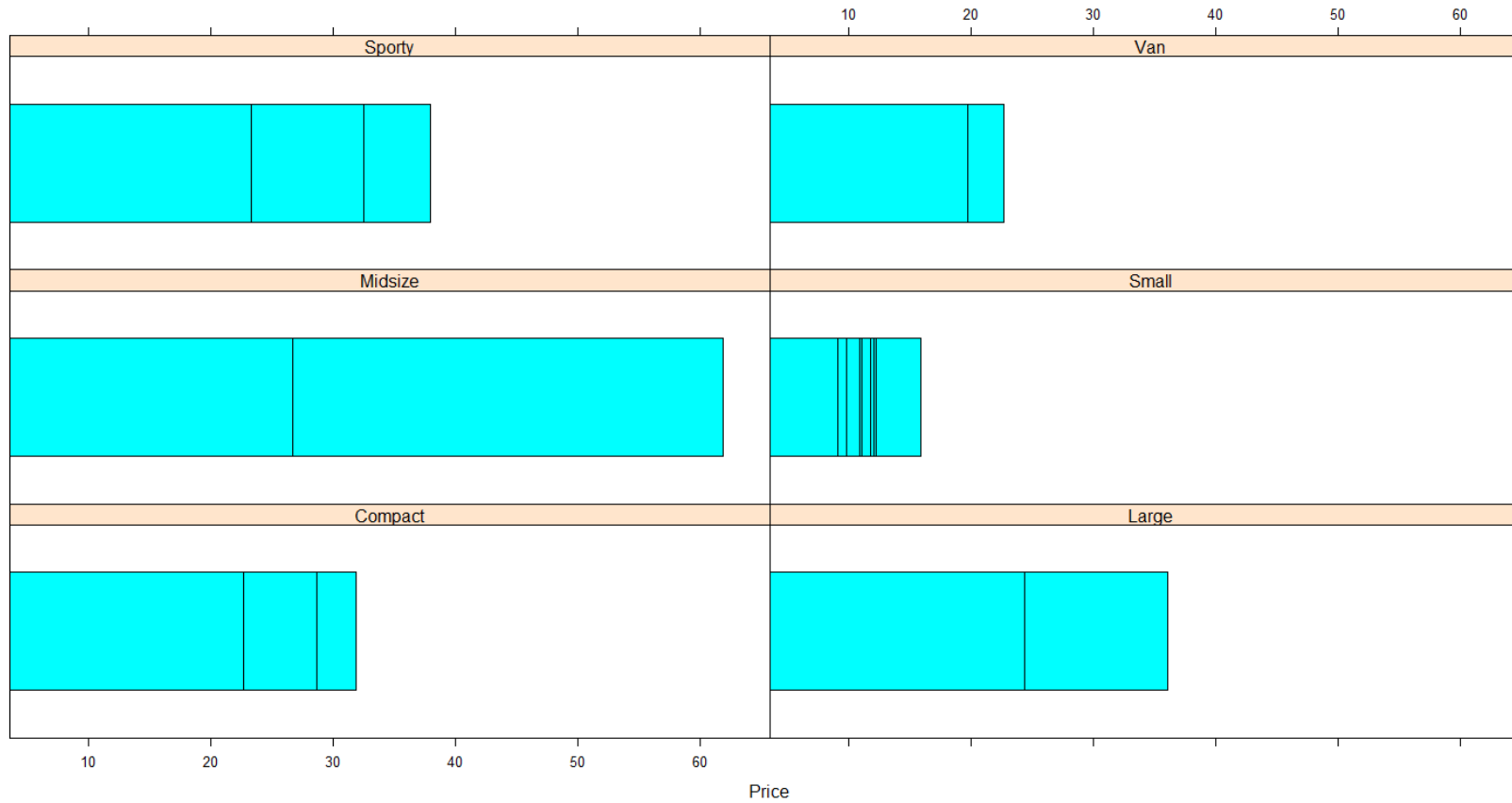
bwplot

```
bwplot(Price~Type, dane, layout=c(1,1))
```



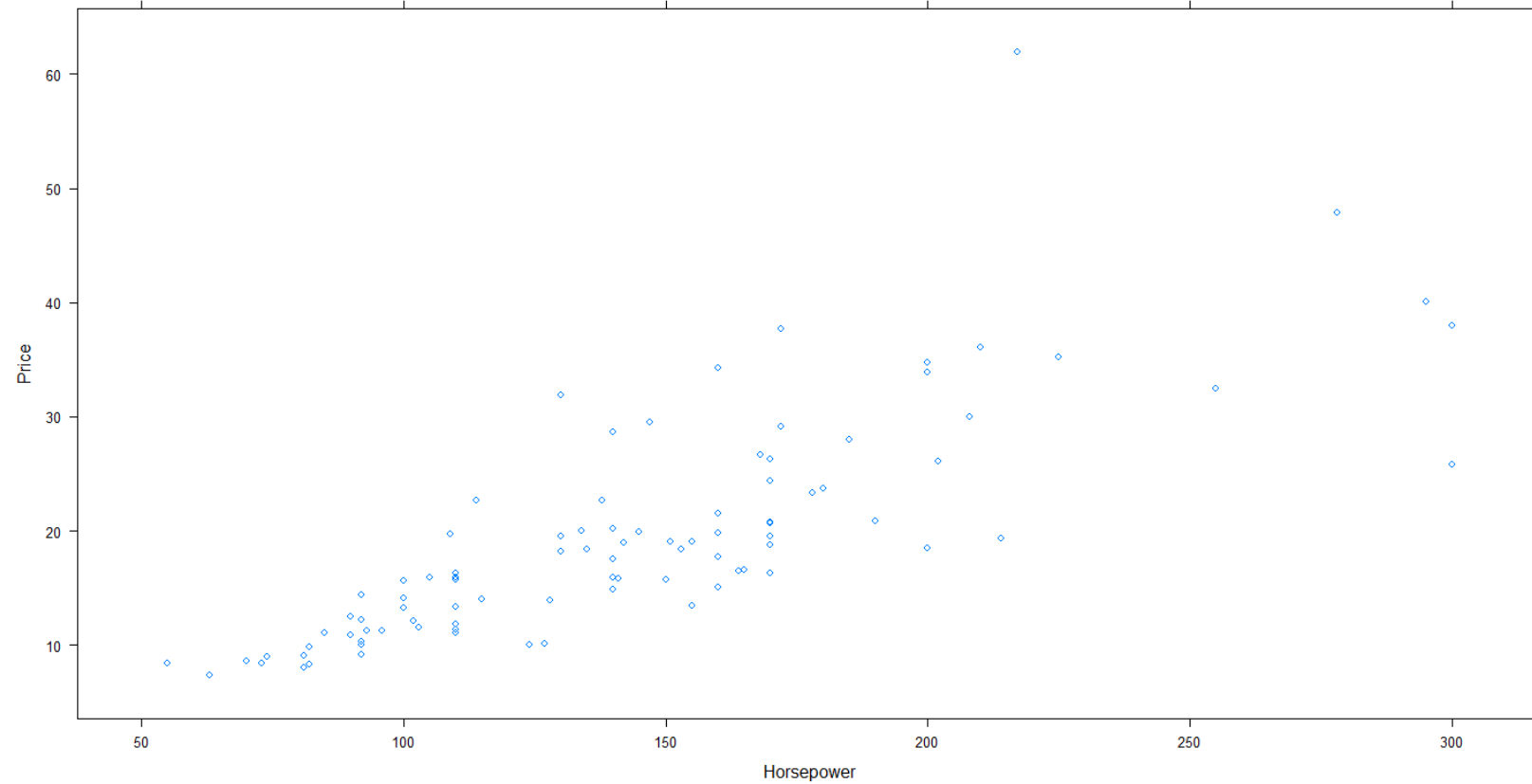
barchart

```
barchart(~Price|Type, dane)
```



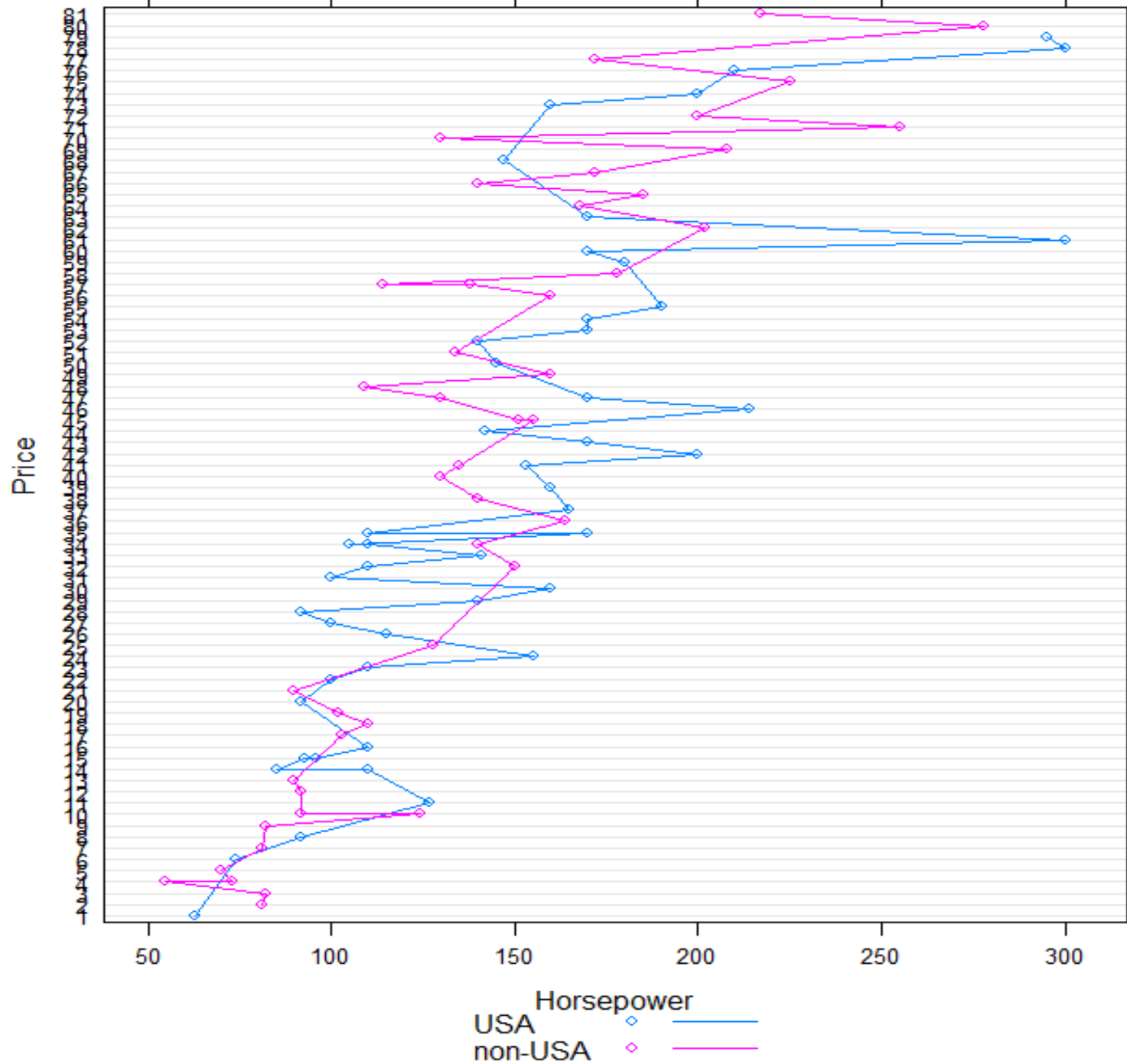
xyplot

```
xyplot(Price~Horsepower, dane)
```



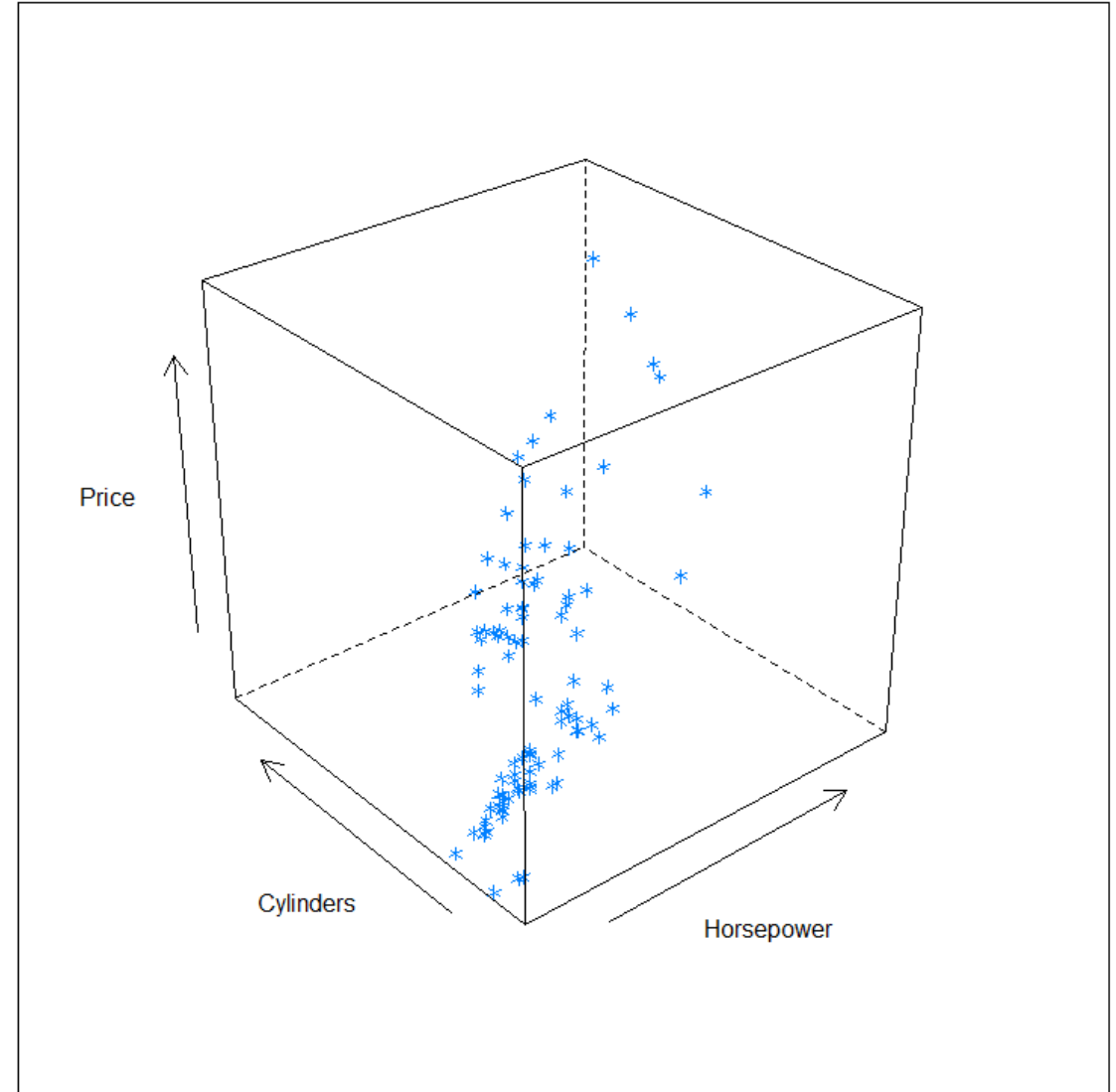
dotplot

```
dotplot(Price~Horsepower, data =  
dane, groups = Origin, type =  
"o", auto.key = list(space =  
"bottom", points = TRUE, lines =  
TRUE))
```



cloud

```
cloud(Price~Horsepower*Cylinders, dane)
```



Dziękuję za uwagę