

# corrplot

Your Name

2016-06-18

```
> setwd("C:/Users/parlar/Documents/1R/1ZLC/S1/(b) R-Functions/b.1 Graphics in R
```

```
> Dataset <-  
+  
+ read.table("C:/Users/parlar/Documents/1R/1ZLC/S1/(b) R-Functions/b.1 Graphi  
+  
+ header=TRUE, sep="," , na.strings="NA", dec=".", strip.white=TRUE)
```

```
> summary(Dataset)
```

Age	Gender	OwnHome	Married	Location
Middle:508	Female:506	Own :516	Married:502	Close:710
Old :205	Male :494	Rent:484	Single :498	Far :290
Young :287				

Salary	Children	History	Catalogs
Min. : 10100	Min. :0.000	High :255	Min. : 6.00
1st Qu.: 29975	1st Qu.:0.000	Low :230	1st Qu.: 6.00
Median : 53700	Median :1.000	Medium:212	Median :12.00
Mean : 56104	Mean :0.934	NA's :303	Mean :14.68
3rd Qu.: 77025	3rd Qu.:2.000		3rd Qu.:18.00
Max. :168800	Max. :3.000		Max. :24.00

AmountSpent
Min. : 38.0
1st Qu.: 488.2
Median : 962.0
Mean :1216.8
3rd Qu.:1688.5
Max. :6217.0

```
> library(corrplot)
```

```
> cor(Dataset[,c("AmountSpent", "Catalogs", "Children", "Salary")],  
+ use="complete")
```

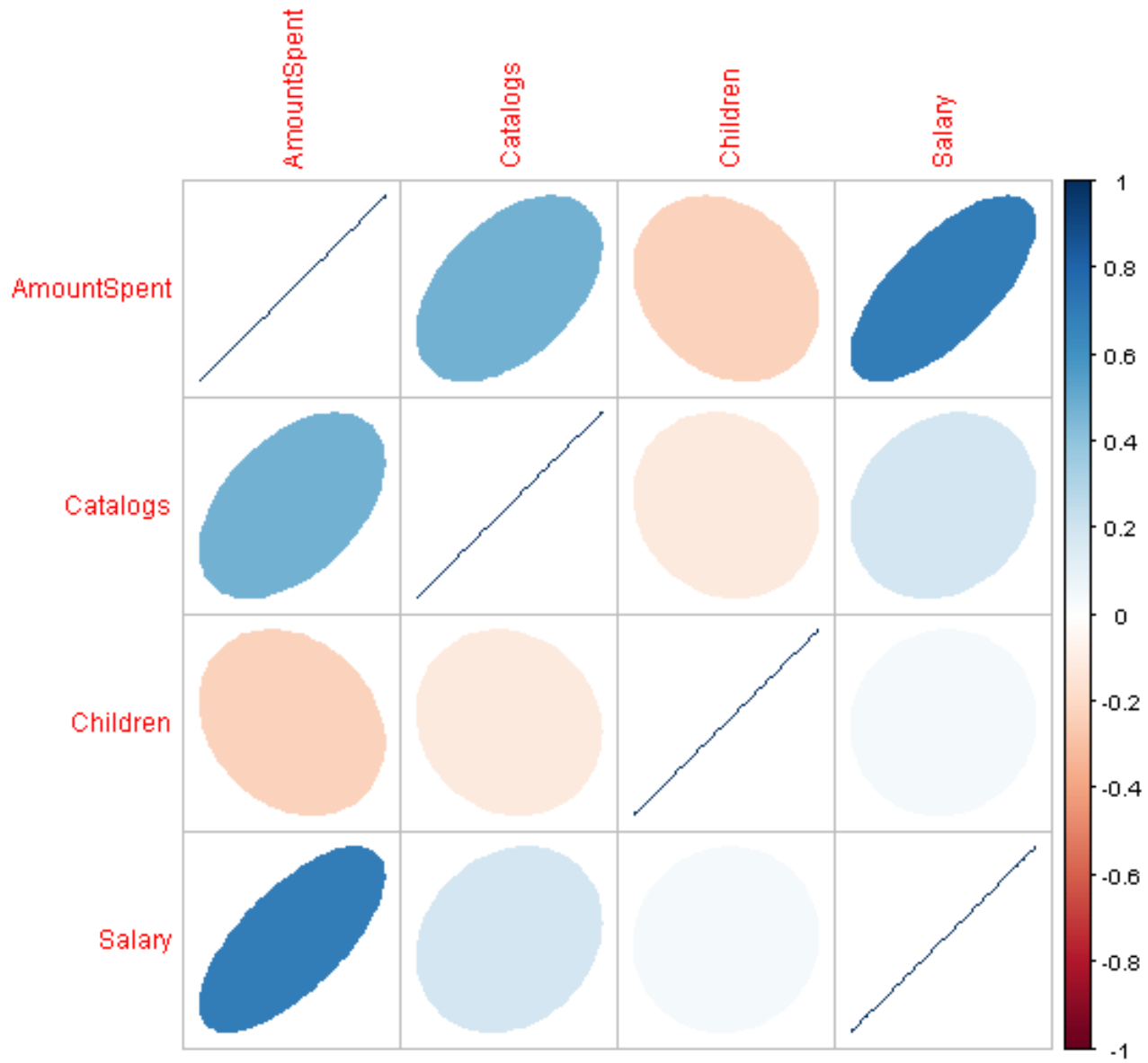
```
      AmountSpent  Catalogs  Children  Salary
AmountSpent  1.0000000  0.4726499 -0.22230817 0.69959571
Catalogs     0.4726499  1.0000000 -0.11345543 0.18355086
Children     -0.2223082 -0.1134554  1.00000000 0.04966316
Salary       0.6995957  0.1835509  0.04966316 1.00000000
```

```
> M <- cor(Dataset[,c("AmountSpent", "Catalogs", "Children", "Salary")],
+ use="complete")
```

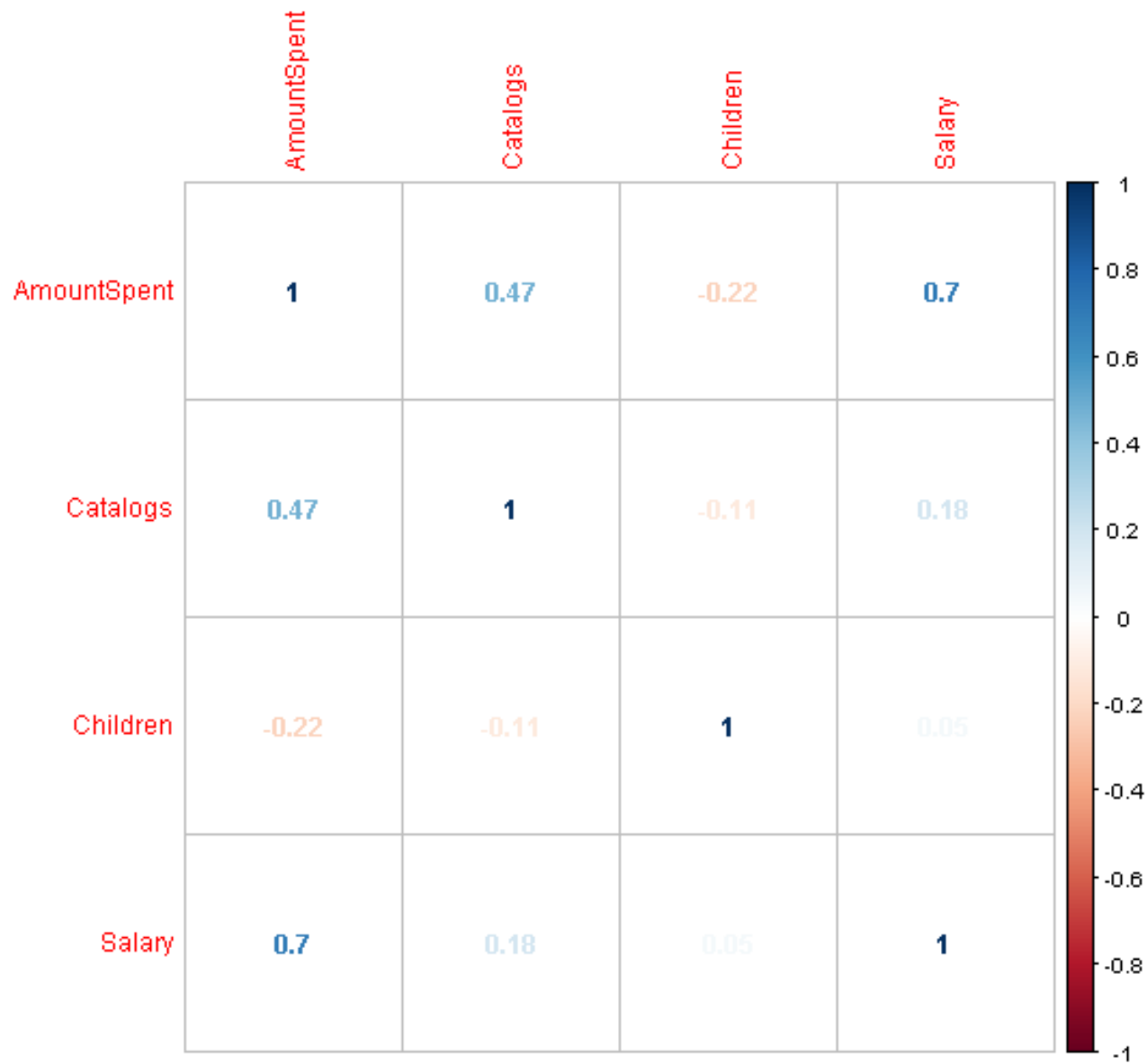
```
> M
```

```
      AmountSpent  Catalogs  Children  Salary
AmountSpent  1.0000000  0.4726499 -0.22230817 0.69959571
Catalogs     0.4726499  1.0000000 -0.11345543 0.18355086
Children     -0.2223082 -0.1134554  1.00000000 0.04966316
Salary       0.6995957  0.1835509  0.04966316 1.00000000
```

```
> corrplot(M, method = "ellipse")
```



```
> corrplot(M, method = "number")
```



```
> corrplot(M, order = "FPC",method="ellipse")
```

