Replace with Main Title "This is a test"

Mohamed Khalifa

2017-03-18

```
## Loading required package: splines
```

```
## Loading required package: RcmdrMisc
```

```
## Loading required package: car
```

```
## Loading required package: sandwich
```

```
## The Commander GUI is launched only in interactive sessions
> oj <-
+   read.table("E:/MBA/January 2017/Business Analytics/Weekly Exercise/oj.csv",
+   header=TRUE, sep=",", na.strings="NA", dec=".", strip.white=TRUE)
```

```
> library(abind, pos=14)
```

```
> library(e1071, pos=15)
```

```
> numSummary(oj[,"AGE60"], statistics=c("mean", "sd", "IQR", "quantiles"),
+   quantiles=c(0,.25,.5,.75,1))
```

```
    mean         sd        IQR        0%     25%        50%        75%
 0.17313 0.06187183 0.09184927 0.05805397 0.1221 0.1706548 0.2139493
      100%       n
 0.3073979 28947
```

```
> RegModel.1 <- lm(logmove~AGE60+INCOME+price, data=oj)
> summary(RegModel.1)
```

```
Call:
lm(formula = logmove ~ AGE60 + INCOME + price, data = oj)

Residuals:
    Min      1Q  Median      3Q     Max
-4.9722 -0.5929 -0.0266  0.5846  3.5811

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept) 11.987186   0.208142  57.591  < 2e-16 ***
AGE60        1.709162   0.087691  19.491  < 2e-16 ***
INCOME      -0.145482   0.019211  -7.573 3.76e-14 ***
price       -0.688144   0.008279 -83.123  < 2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.9117 on 28943 degrees of freedom
Multiple R-squared:  0.2002,    Adjusted R-squared:  0.2002
F-statistic:  2416 on 3 and 28943 DF,  p-value: < 2.2e-16
```

```
> library(zoo, pos=16)
```

```
Attaching package: 'zoo'

The following objects are masked from 'package:base':

    as.Date, as.Date.numeric
> library(lmtest, pos=16)

> resettest(logmove ~ AGE60 + INCOME + price, power=2:3, type="regressor",
+   data=oj)


    RESET test

data:  logmove ~ AGE60 + INCOME + price
RESET = 281.53, df1 = 6, df2 = 28937, p-value < 2.2e-16
> vif(RegModel.1)

   AGE60   INCOME    price
1.025198 1.024447 1.002271
> resettest(logmove ~ AGE60 + INCOME + price, power=2:3, type="regressor",
+   data=oj)


    RESET test

data:  logmove ~ AGE60 + INCOME + price
RESET = 281.53, df1 = 6, df2 = 28937, p-value < 2.2e-16
```