

Multilevel Modeling Formative

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R Markdown

```
# -----  
## clear the environment var area  
# rm(list = ls())  
## clear all plots  
# graphics.off()  
## clear the console area  
# cat("\014")  
# -----  
# install.packages("gridExtra")  
# -----  
require(lme4)  
require(lmerTest)  
require(ggplot2)  
require(sjPlot)
```

```
MST <-  
  read.csv(  
    "https://andygolightly.github.io/teaching/MATH43515/summative/andy.csv",  
    header = TRUE  
  )  
head(MST)
```

##	ID	Hospital	Responset1	Responset2	Responset3	Trt	Experience	Gender	Size
## 1	1	1	36	38	38	1	6.8	1	0
## 2	2	1	35	39	39	1	9.1	1	0
## 3	3	1	46	41	41	0	6.0	1	0
## 4	4	1	31	31	40	1	3.7	0	0
## 5	5	1	36	36	39	1	12.1	1	0
## 6	6	1	29	33	36	1	15.8	0	0

```
# dim(MST)
```

```
library(ggplot2)
```

```
# Correlation between two variables with GGpairs  
library("GGally")  
ggpairs(MST)+theme_bw()
```

