

# Group21\_Ikea

Group21

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## 0.1 Ikea data analysis

```
library(tidyverse)
library(tinytex)
library(sjPlot)
library(jtools)
library(car)
library(reshape2)
library(kableExtra)
```

##Introduction Data set provided is from Ikea (Saudi Arabia), It is of interest to determine which properties of a furniture determine where the price is greater than 1000 riyals.

##Exploratory Analysis

```
ikea.sa<- read.csv("dataset21.csv")
summary(ikea.sa[3:9]) %>%
kable(caption = '\\label{tab:summaries} Summary statistics for observations with chosen variables.') %>%
  kable_styling(latex_options = "hold_position")
```

Table 1: Summary statistics for observations with chosen variables.

	category	price	sellable_online	other_colors	depth	height	width
	Length:500	Min. : 3.0	Mode :logical	Length:500	Min. : 1.00	Min. : 3.0	Min. : 2.0
	Class :character	1st Qu.: 168.8	FALSE:1	Class :character	1st Qu.: 37.00	1st Qu.: 68.0	1st Qu.: 56
	Mode :character	Median : 457.0	TRUE :499	Mode :character	Median : 46.00	Median : 83.0	Median : 80
	NA	Mean : 991.1	NA	NA	Mean : 53.34	Mean :102.3	Mean :101.1
	NA	3rd Qu.:1245.0	NA	NA	3rd Qu.: 60.00	3rd Qu.:123.8	3rd Qu.:134
	NA	Max. :8551.0	NA	NA	Max. :252.00	Max. :251.0	Max. :367.0
	NA	NA	NA	NA	NA's :191	NA's :146	NA's :80

##Formal Data Analysis

##Conclusions and Future Works

##Reference