# Activities in a Store

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## Summary

In this report we will study the activities in a store.

## **Data Cleaning**

First, we clean the data using the following code:

The cleaned data is the following set of rows:

```
##
        colour.name colour.code productid
                                                    skuid
## 1
              NEGRO
                        #2c2b31 6103880034 8433815102928
           AVELLANA
                        #E1D8D1 6103870033 8433815103376
## 2
## 3
           AVELLANA
                        #E1D8D1 1813659542 8433815080622
      VERDE MANZANA
## 4
                        #65db80 1333989684 8433815097019
            MARENGO
                        #595f6b 1783619976 8433815103338
## 6
             CARMIN
                        #fe6557 1333989684 8433815097064
                        #2c2b31 6103940009 8433815102881
## 7
              NEGRO
## 8
              ROJO
                        #ff0040 6103830027 8433815103581
## 9
            VIOLETA
                        #B072ED 6470618819 8433815111081
                        #ff0040 6412780171 8433815112354
## 10
              ROJO
            PÚRPURA
## 11
                        #db86dd 5860669440 8433815090973
## 12
           AVELLANA
                        #E1D8D1 1527589489 8433815074980
## 13
             CARMIN
                        #fe6557 1290599722 8433815098610
## 14
             CARMIN
                        #fe6557 1208948963 8433815081490
## 15
              ROJO
                        #ff0040 6103840028 8433815103611
## 16
             MARRÓN
                        #73605C 6103890035 8433815103352
## 17
                        #73605C 6412790172 8433815112316
             MARRÓN
## 18
              PLATA
                        #F0F0F2 6412849830 8433815115690
## 19
              NEGRO
                        #2c2b31 1333969688 8433815096890
## 20
        AZUL MARINO
                        #363D5A 1527638952 8433815082312
```

### Which Product is the Most Wanted?

To calculate this we used the following code:

```
# the number of sales per product
tries <- tapply(ds1$skuid, ds1$productid, length)

# the product with more tries
tries[which(tries == max(tries))]

## 5860769906
## 35</pre>
The most tried product is 35.
```

### Which Combination is the Most Tried?

To calculate this we used the following code:

```
# number of sales per product and color
tries <- tapply(ds1$skuid, ds1[, c("productid", "colour.code")], length)

# the product with more sales
ind <- which(tries == max(tries, na.rm = TRUE), arr.ind=TRUE)</pre>
```

One of the most tried combinations is the product 1018109000 with color #FF00FF.