

Proyecto Final

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Introducción

Objetivos del proyecto

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
##      Sucursal      Cajero  ID_Transaccion  Transaccion
## Min.   : 62.0   Min.    : 56   Length:24299   Length:24299
## 1st Qu.: 85.0   1st Qu.: 472   Class :character Class :character
## Median : 85.0   Median :3678   Mode  :character Mode  :character
## Mean   :208.1   Mean    :2919
## 3rd Qu.:443.0   3rd Qu.:3983
## Max.   :586.0   Max.    :5286
## Tiempo_Servicio_seg Satisfaccion      Monto
## Min.    : 18.13   Length:24299   Length:24299
## 1st Qu.: 75.69   Class :character Class :character
## Median : 122.45   Mode  :character Mode  :character
## Mean    : 155.58
## 3rd Qu.: 197.73
## Max.    :1602.70
```

```
##      Cajero      n
## 1         56   832
## 2         63    81
## 3         70   656
## 4         87     7
## 5        299   597
## 6        321     3
## 7        357  1832
## 8        472  2764
## 9       2230    53
## 10      2503  1578
## 11      2556   667
## 12      2623   182
## 13      2958  1327
## 14      3023    51
## 15      3327    37
```

```
## 16 3678 1962
## 17 3732 1339
## 18 3983 4280
## 19 4208 1471
## 20 4353 14
## 21 4424 94
## 22 4796 1084
## 23 4820 1067
## 24 4837 550
## 25 5174 47
## 26 5211 675
## 27 5286 1049
```

Including Plots

You can also embed plots, for example:

```
data_banco <- data_banco %>% mutate(Sucursal = as.factor(Sucursal))
```

```
ggplot(data_banco, aes(x=Tiempo_Servicio_seg))+
  geom_histogram(aes(fill=Sucursal)) +
  labs(title = "Distribución del Tiempo de Servicio en segundos",
       y= "Cantidad 2",
       x= "Tiempo (segundos)") +
  facet_wrap("Sucursal")
```

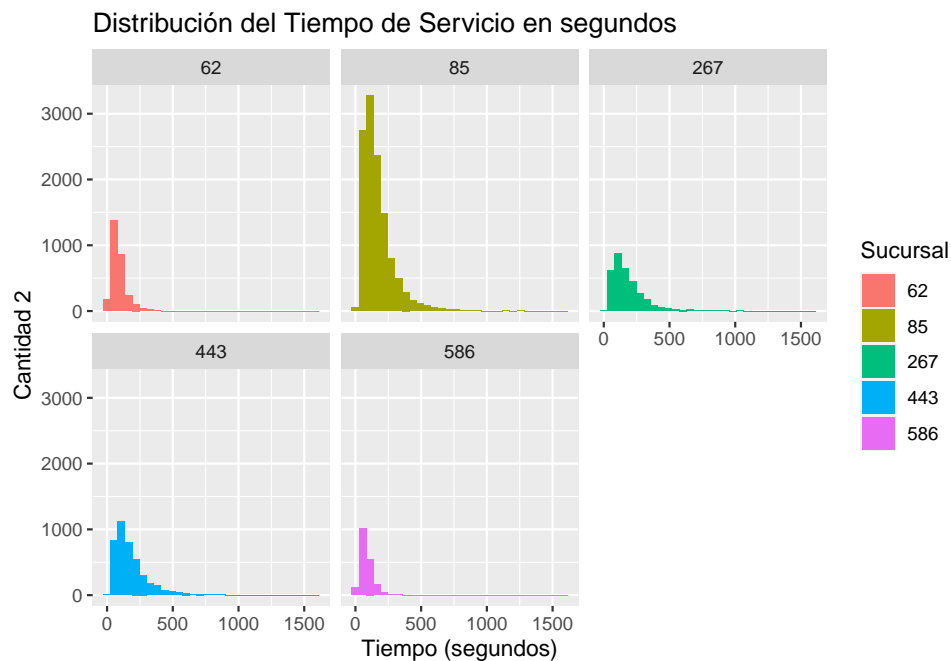


Figure 1: Frecuencia del tiempo de servicio

La media del monto fue 1996.08.

$$A = \pi r^2$$

$$X^2 = \frac{y}{2} + \beta^2$$

$$X^2 = \frac{y}{2} + \beta^2 \tag{1}$$

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

Este **texto** va a ser rojo.