

Proyecto final

Iván F. Quiroz Ibáñez

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This is an R Markdown presentation. 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.

- 0) Estudio de caso
- 1) Base de datos y AED
- 2) Random Forest
- 3) Naive Bayes
- 4) K-NN
- 5) Curvas Receiver Operating Characteristic (ROC)

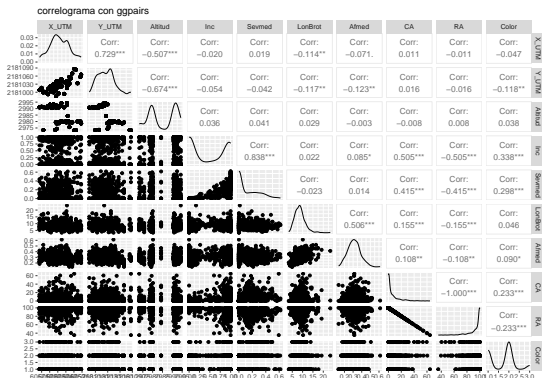
Slide with R Output

Slide with R Output

```
#matriz de diagramas de dispersion
```

```
library(GGally)
```

```
ggpairs(base[,c(5,6,7,18,19,22,24,28:30)],  
        title="correlograma con ggpairs")
```



PCA

Importance of components:

##	PC1	PC2	PC3	PC4	PC5
## Standard deviation	1.7451	1.5196	1.2216	1.0107	0.88496
## Proportion of Variance	0.3045	0.2309	0.1492	0.1021	0.07832
## Cumulative Proportion	0.3045	0.5354	0.6847	0.7868	0.86512

##	PC8	PC9	PC10
## Standard deviation	0.46896	0.38840	1.265e-10
## Proportion of Variance	0.02199	0.01509	0.000e+00
## Cumulative Proportion	0.98491	1.00000	1.000e+00



Analisis de componentes principales

