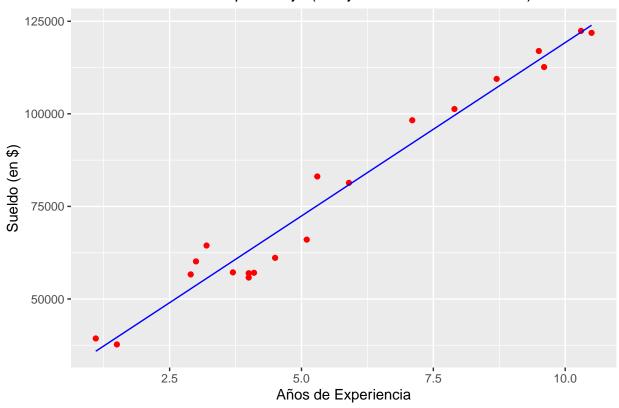
Untitled

Sergio Arnold

23/3/2021

```
## REGRESION LINEAL SIMPLE
# Importar el dataset
dataset = read.csv('/home/sergio/Documentos/GitHub/machinelearning-az/datasets/Part 2 - Regression/Sect
#dataset = dataset[, 2:3]
\# Dividir los datos en conjunto de entrenamiento y conjunto de test
# install.packages("caTools")
library(caTools)
set.seed(123)
split = sample.split(dataset$Salary, SplitRatio = 2/3)
training_set = subset(dataset, split == TRUE)
testing_set = subset(dataset, split == FALSE)
# Escalado de valores
# training_set[,2:3] = scale(training_set[,2:3])
# testing_set[,2:3] = scale(testing_set[,2:3])
regressor = lm(formula = Salary ~ YearsExperience,
              data = training_set)
summary(regressor)
##
## Call:
## lm(formula = Salary ~ YearsExperience, data = training_set)
## Residuals:
                1Q Median
                                30
                                       Max
## -7325.1 -3814.4
                    427.7 3559.7 8884.6
##
## Coefficients:
##
                   Estimate Std. Error t value Pr(>|t|)
                                       9.672 1.49e-08 ***
                      25592
                                  2646
## (Intercept)
                       9365
                                  421 22.245 1.52e-14 ***
## YearsExperience
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 5391 on 18 degrees of freedom
## Multiple R-squared: 0.9649, Adjusted R-squared: 0.963
## F-statistic: 494.8 on 1 and 18 DF, p-value: 1.524e-14
## PREDECIR RESULTADOS CON EL CONJUNTO DE TEST
y_pred = predict(regressor, newdata = testing_set)
```

Sueldo Vs Año de Experiencja (Conjunto de Entrenamiento)



Sueldo Vs Año de Experiencja (Conjunto de testing)

