

Bankruptcy prediction using Random forest and Adaboost

Diego

BIT

May 18, 2022

Introduction

Several studies in Colombia evidence that sex, ethnic, and age could be important variables to determine the educational attainment.

Justification

Hanushek shows that economic growth rely on in human capital aggregate levels, this last measure with standardized test (PISA).

Methodology

Data

This work uses the official available public data in the ICFES web site

Methodology

Model

$$y = \beta_0 + \beta_1 + \dots + u_i \quad (1)$$

Performance assessment

Metric		
MAE	$\ \hat{y} - y\ $	10
RSE	$\sum(\hat{y} - y)^2$	11

Table: Own elaboration

Add equation inside text

Suppose that $\mathbf{X} \sim N(0, 1)$ therefore we can model with

Code python implementation

```
for x in range(1,10):  
    print(x)
```

Init K centroids as K points:
Update centroids with mean of each variable