

## RANKING APPLICATIONS FOR NURSERY SCHOOLS CLASSIFICATION PROBLEM

Viviane Adohouannon<sup>1</sup>, Kate Alexander<sup>1</sup>, Juan Arangote<sup>1</sup>, Dian Azbel<sup>1</sup>, & Igor Baranov<sup>1</sup>

<sup>1</sup> York University School of Continuous Studies

Author Note

Group TFG, CSDA1010SUMA18, Lab 1 - Classification Problem

### Abstract

Nursery Database was derived from a hierarchical decision model originally developed to rank applications for nursery schools

RANKING APPLICATIONS FOR NURSERY SCHOOLS CLASSIFICATION PROBLEM

**Introduction**

**Background**

**Objective and Hypothesis**

**Assessment of Situation**

**Plan**

**Data understanding**

**Preparation**

**Cleaning**

**Splitting the dataset into train and test**

**Feature engineering**

**Modeling**

**Decision Tree - Iteration 1**

**Decision Tree model fit.**

**Decision Tree model evaluation.**

**Random Forest - Iteration 2**

**Random Forest model fit.**

**Random Forest model evaluation.**

**Random Forest - Iteration 3**

**Random Forest model fit.**

**Random Forest model evaluation.**

**Dicsussion**

**Conclusion**

## References