

# TDS10 Final Project

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## **Abstract**

IF you wish, you may add here a short abstract of 100 words max.

## **Introduction**

(Write the introduction here)

## **Dataset Description**

(Write about heart.csv here)

## **Data Preparation**

read.csv()

## **Exploratory Data Analysis**

(Plots, male vs female age) # Multinomial Logistic Regression — Theory

(Here you write the general mathematical formula) (Explain how it differs from logistic regression) # Multinomial Logistic Regression

(Fit model + interpretation)

## **Model Evaluation**

(Cross-validation)

## **Model Improvement**

(Stepwise model / alternative model)

## **Binary Logistic Regression**

(Create hdc01 + logistic model)

## **Model Comparison**

(Compare multinomial vs binary)

## **Conclusion**

(Brief summary)