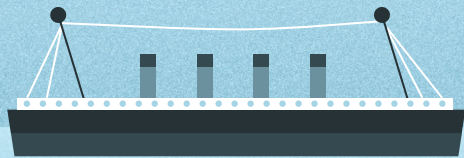


— KTH, ID2221, P1, Fall 2023 —

# TITANIC

Spark and Machine Learning from disaster

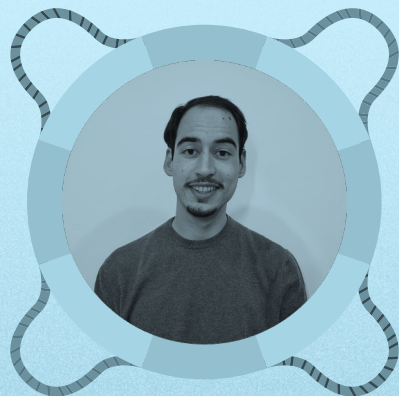


# — Our survivors —



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Manfredi

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Meneghin

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# — Table of contents —

1.

Problem

3.

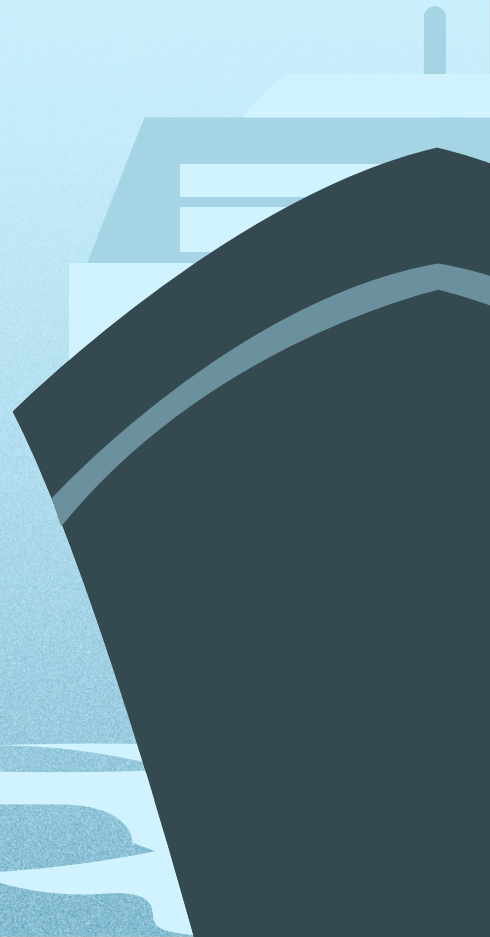
Method

2.

Data & Tools

4.

Results



— Problem —

Predict the survivors

Classification

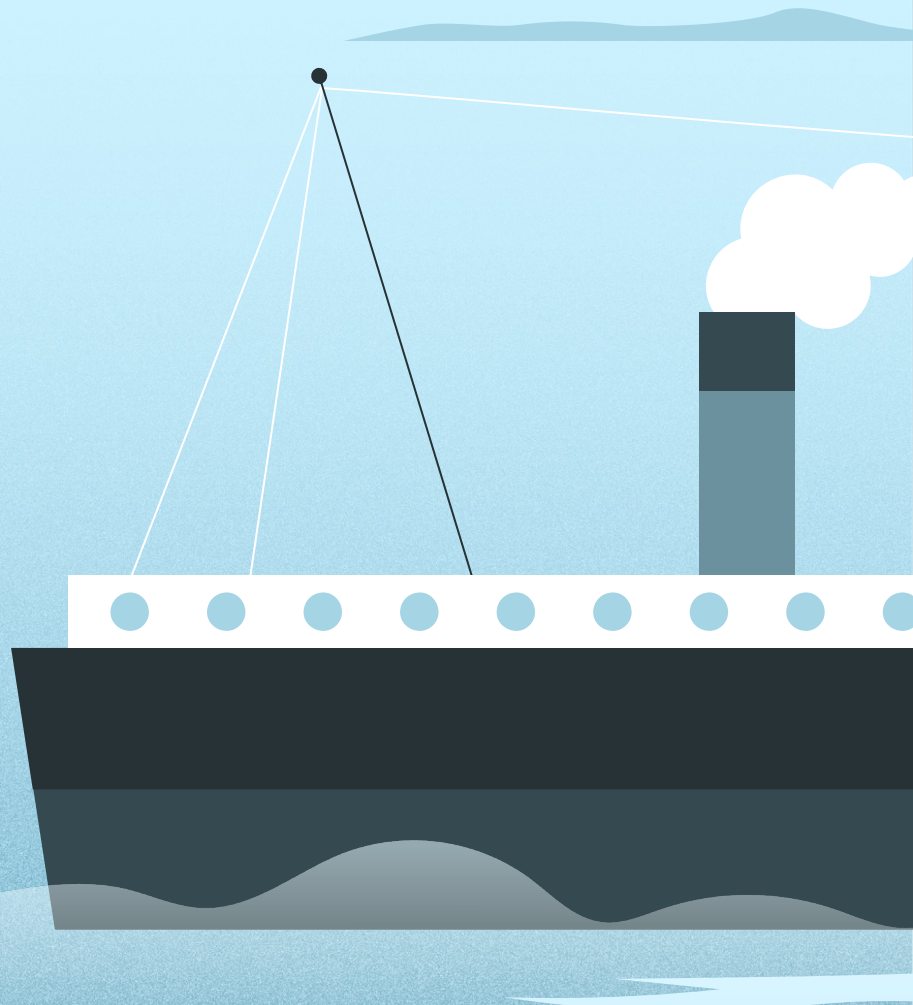
Machine Learning

Spark





— Data & Tools —



# — Method —



## Data analysis

Understanding the data set and types, discovering correlations or their lack.

## Data pre-processing

Feature selection, data completion, data correction, data conversion.

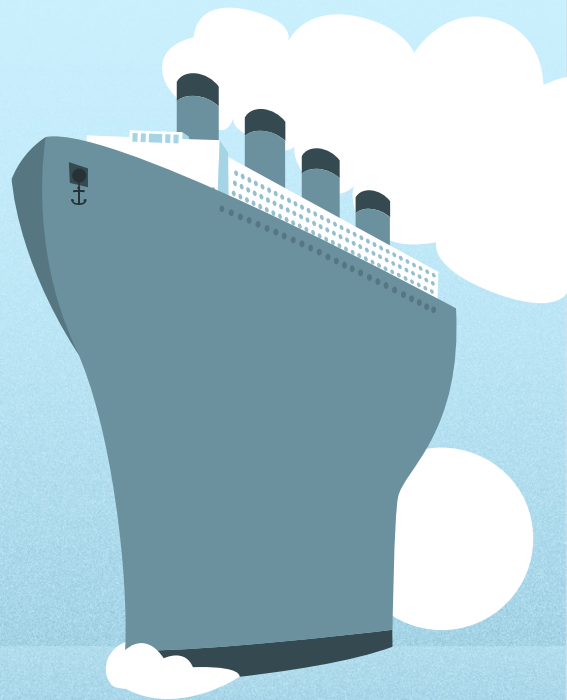
## Model

Model training, model evaluation and model selection.



# — Results —

- Eight features selected
- Decision Tree, Random Forest and Logistic Regression **accuracy of 77.46%**
- Naïve Bayes accuracy of 75.14%.



# — Resources —



Project soon published on the repo:  
<https://github.com/Silemo/dic-2023-manfredi-meneghin>



Find out more about Titanic's history on:  
<https://en.wikipedia.org/wiki/Titanic>

