

# ML Raport

AutoPrep

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## Abstract

This raport has been generated with AutoPrep.

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# 1 Overview

## 1.1 System

System	Darwin
Machine	arm64
Processor	arm
Architecture	64bit
Python Version	3.11.10
Physical Cores	8
Logical Cores	8
CPU Frequency (MHz)	4056
Total RAM (GB)	16.0000
Available RAM (GB)	4.0410
Total Disk Space (GB)	460.4317
Free Disk Space (GB)	263.5609

## 1.2 Dataset

Number of samples	1047
Number of features	13
Number of numerical features	6
Number of categorical features	7

class	number of observations	Percentage
0	665	0.6351
1	382	0.3649

Table 1: Target class distribution

class	number of observations	Percentage
pclass	0	0.0000
name	0	0.0000
sex	0	0.0000
age	207	0.1977
sibsp	0	0.0000
parch	0	0.0000
ticket	0	0.0000
fare	1	0.0010
cabin	813	0.7765
embarked	1	0.0010
boat	672	0.6418
body	948	0.9054
home__dest	453	0.4327

Table 2: Missing values distribution

<b>class</b>	<b>type</b>	<b>dtype</b>	<b>space usage</b>
pclass	numerical	int64	16.8 kB
name	categorical	object	96.4 kB
sex	categorical	category	9.7 kB
age	numerical	float64	16.8 kB
sibsp	numerical	int64	16.8 kB
parch	numerical	int64	16.8 kB
ticket	categorical	object	75.1 kB
fare	numerical	float64	16.8 kB
cabin	categorical	object	48.6 kB
embarked	categorical	category	9.7 kB
boat	categorical	object	51.8 kB
body	numerical	float64	16.8 kB
home__dest	categorical	object	68.2 kB