

SOS2025 Experiment Report - Group 21

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ABSTRACT

This report documents the machine learning experiment for Group 21, following the CRISP-DM process model.

CCS CONCEPTS

• Computing methodologies → Machine learning.

KEYWORDS

CRISP-DM, Provenance, Knowledge Graph, Machine Learning

ACM Reference Format:

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1 BUSINESS UNDERSTANDING

1.1 Data Source and Scenario

1.2 Business Objectives

2 DATA UNDERSTANDING

Dataset Description: Describe the data set.

The following features were identified in the dataset:

Table 1: Raw Data Features

Feature Name	Data Type	Description
date	dateTime>	This is a date field of...
number	integer>	This field describes..

3 DATA PREPARATION

3.1 Data Cleaning

Describe your Data preparation steps here and include respective graph data.

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4 MODELING

4.1 Hyperparameter Configuration

The model was trained using the following hyperparameter settings:

Table 2: Hyperparameter Settings

Parameter	Description	Value
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4.2 Training Run

A training run was executed with the following characteristics:

- Algorithm:
- Start Time:
- End Time:
- Result: =

5 EVALUATION

6 DEPLOYMENT

7 CONCLUSION