

OPEN PRESENTATION

# PROJECT WHEELS

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# LAST PRESENTATION

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## BRIEF INTRODUCTION OF THE PROJECT

- How can imu data be used to identify wheelchair basketball specific movements?
- Detecting: sprints, Rotations, collisions, fast breaking, fast defense
- Movements need timestamps -> analyze video's

## PROJECT ACTIVITIES

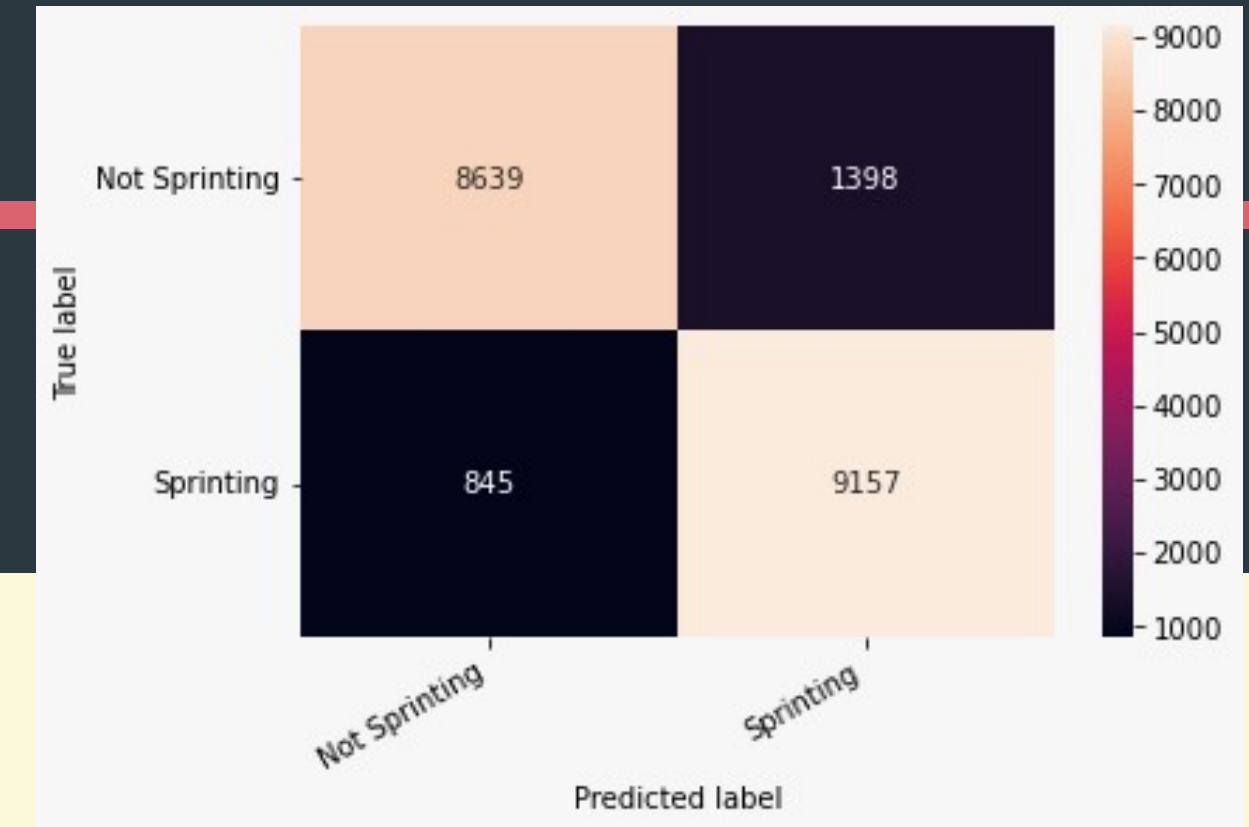
- Desk research
- Programming -> working on different machine learning models



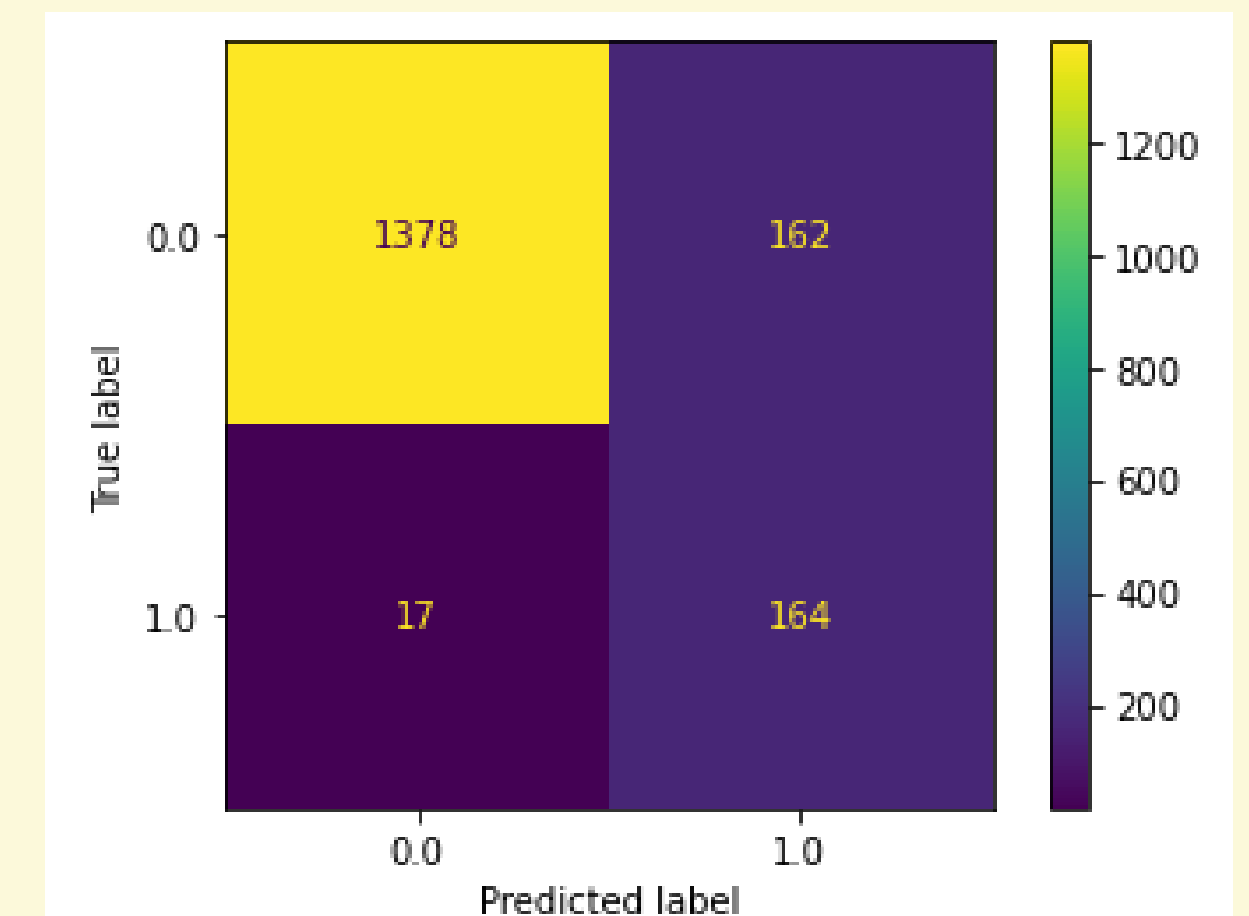
# THE PRESENT

- Coding models: Decision tree classifier (90%)  
recall(50%)
- definitions in the dataset
- The options:
  - Neural networks
  - Repeat modelling and improving the dataset
    - decision tree
    - SGD

Neural network



Decision tree





# WHAT IS NEXT?

- Image recognition
- Convolutional neural network
- Improving our current models
  - making statistical overview