



# ActivPal Week 14

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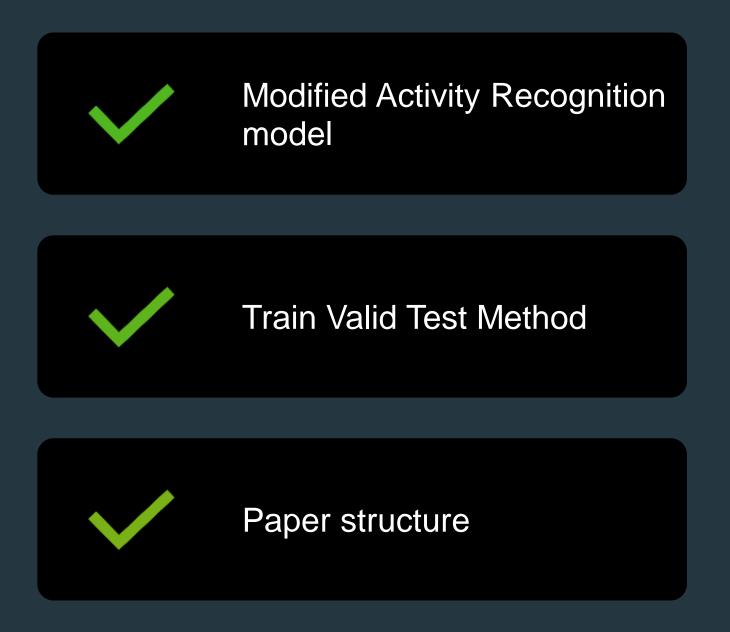




WHAT HAVE WE DONE PREVIOUS WEEK?

WHAT ARE OUR GOALS FOR THE NEW SPRINT?

# What have we done in the previous week?



## Activity recognition

#### **ACTIVITIES RECOGNIZED**

- Walking
- Running
- Cycling light
- Cycling heavy
- Standing
- Sitting

Dataset	Accuracy	F1	Precision	Recall
Validation	96%	96%	96%	96%
Test	85%	85%	85%	85%

	Accuracy	Precision	Recall
K-fold 5 cross-validation	81% +/- 5%	81% +/- 5%	82% +/- 4%

#### Train Valid Test Method

#### WE TOOK 3 DIFFERENT APPROACHES

- A. 22 respondents for train/valid, 3 respondents for test > split 22 respondents randomly
- B. 25 respondents > 18 training, 4 validation, 3 testing
- C. Every respondent is added to training(60%), validation(20%) and testing(20%).

- Final decision:
  - Method A, after discussing the 3 approaches with CBS

# Paper structure

Paper chapters		
Abstract		
Introduction		
Subject field		
Methods		
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Study design		
Met regression models		
Activity classification		
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## What are our goals for the new sprint?



01

Paper

