

PROGRESS WEEK 2

ACTIVEPAL

WHAT DID WE DO THIS WEEK?



Desk Research



Homework



Contacting ActivePal

3 Measuring physical activity



DATA COLLECTION
DATA PROCESSING
CALIBRATION
PHYSICAL ACTIVITY PATTERN



ACTIVEPAL PROJECT

- 2 main research questions
- Sensor motion accelerometer data
- Can we recognize activities in the ActivePal data?
- Do the participants succeed in doing their daily movement?

ACTIVEPAL DATA

- Last week we finally received the Active Pal data
 - Received 40 GB data
 - Our data is from 41 participants
- Cleaning and compressing data
- Pairs

DESK RESEARCH

- ActivePal is the most accurate accelerometer
- Metabolic Equivalent (MET)
 - Multiple ways of calculating MET:
 - Volume Oxygen Output (VO₂)
 - Heart rate
 - Acceleration approximation
- GGIR / Cran-r
 - Not applicable to our dataset
 - Unless we convert XYZ to Gravitational acceleration

CONTACTING ACTIVEPAL

- Desk research on Pal
- Email template is finished
- First contact should be made today



WHAT ARE OUR PLANS FOR THIS SPRINT

- Data research (as a team)
 - Cleaning and compressing data
 - Visualizing the data
- Filtering Desk research results
- Making a global planning for the project



THANK YOU

QUESTIONS?