ActivPAL

Progress Week 5

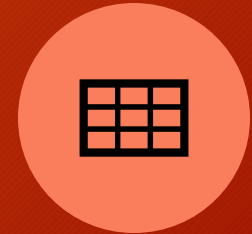# WHAT DID WE DO LAST WEEK?

DATACAMP

RESEARCH SUB QUESTIONS (CARDS)

FURTHER DATA ANALYSIS

MEETINGS

WORKING ON THE DATA (REMOVING OUTLIERS, RESAMPLING)

DESK RESEARCH

- Daily Average MET-value

$$MET_D = \frac{1}{k} \sum_{i=1}^{6} MET^i \times AD_D^i$$

- Removing outliers (if needed)

Sub questions

- What previous work exist on getting intensity of movement from accelerometers?

- Is there a community that tackles same issue?
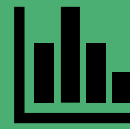
How went our previous Sprint?

- Finished but some tasks are moved to next sprint
- ActivPal has not replied
- We couldn't find out what the XYZ dimensions are.
- External presentation gave insight

AP-39	Plot all activities in one plot	↑	DONE
AP-29	Research formulas calculating MET from acceleration	↑	DONE
AP-41	Plan meeting with Bolte	↑	DONE	CW
AP-20	First external presentation	↑	DONE	MB
AP-35	Acceleration + XYZ Values Research	↑	IN PROGRESS
AP-40	Remove the outliers	↑	IN PROGRESS
AP-27	Filtering literature	↑	DONE
AP-30	Plot basic activities	↑	DONE
AP-33	Create new GitHub repository	↑	DONE	AA
AP-34	Have meeting about the code	↑	DONE
AP-36	Create activpal20_with_activities.csv for all correspondents	↑	DONE	AS
AP-37	Plot walking for multiple correspondents	↑	DONE	AS
AP-38	Plot activity distribution	↑	DONE	CW
AP-2	Contacting ActivePal	↓	

Quickstart
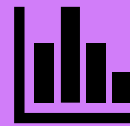
WHAT ARE OUR PLANS FOR THIS SPRINT?

Meeting with John (data owner)

Pearson correlation matrix

Finding out the data dimensions

Meeting for Retrospective and Sprint #3 planning

THANK YOU

Questions?