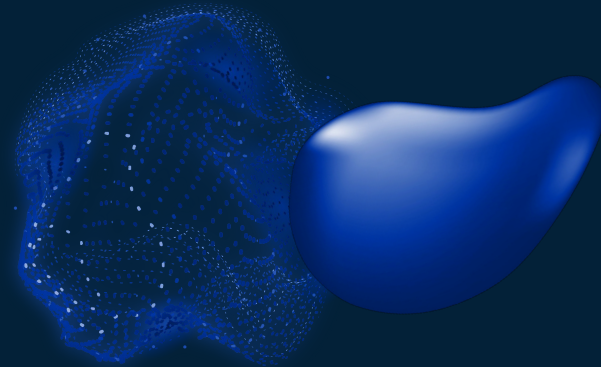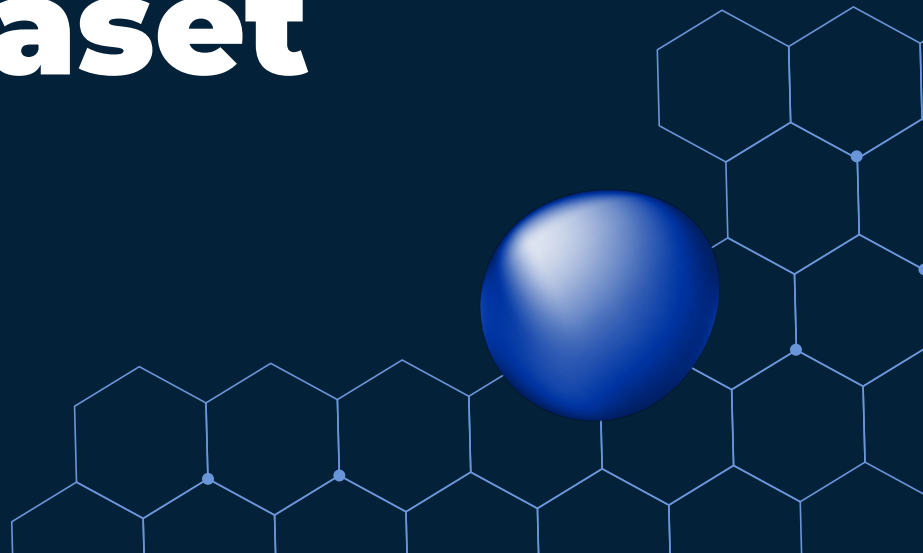# HARTH dataset

DEMO 1

Sharon Le, Shervan Shahparnia

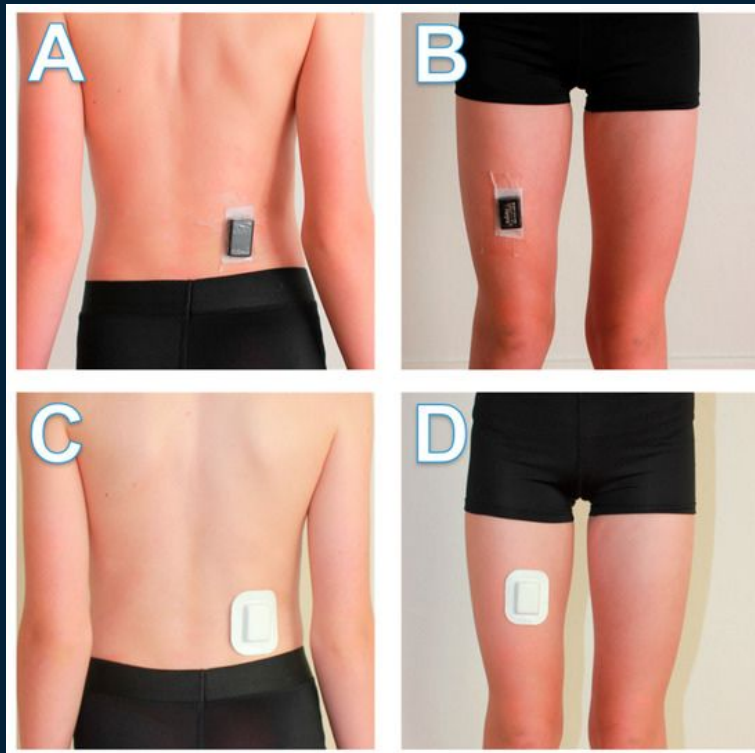# Human Activity Recognition Trondheim

Funded by NTNU Helse

3-axial accelerometers for 2 hours

Sensors are attached to right thigh and lower back

Tracks human physical activity

Help train AI for better recognition of human activity

Data Entry

COLUMNS

timestamp : date and time

back_x : acceleration in back sensor in x direction. (Down)

back_y : acceleration in back sensor in y direction. (Left)

back_z : acceleration in back sensor in z direction. (Forward)

thigh_x : acceleration in thigh sensor in x direction. (Down)

thigh_y : acceleration in thigh sensor in y direction. (Right)

thigh_z : acceleration in thigh sensor in z direction. (Backward)

label : Annotated activity code

ACTIVITY CODE

1. Walking
2. Running
3. Shuffling
4. Ascending Stairs
5. Descending Stairs
6. Standing
7. Sitting
8. Lying
13. Cycling (Sit)
14. Cycling (Stand)
130. Cycling (Sit, Inactive)
140. Cycling (Stand, Inactive)