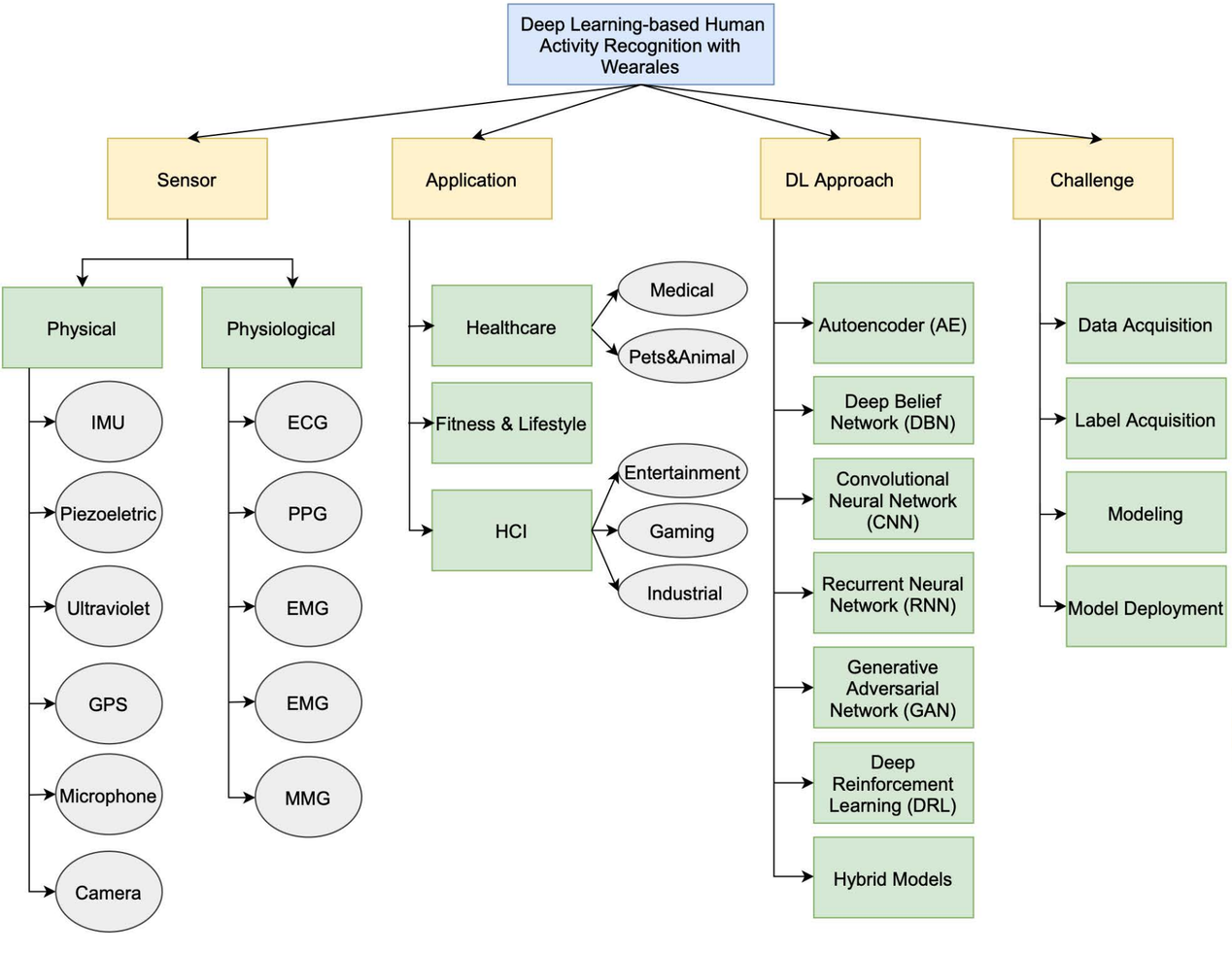
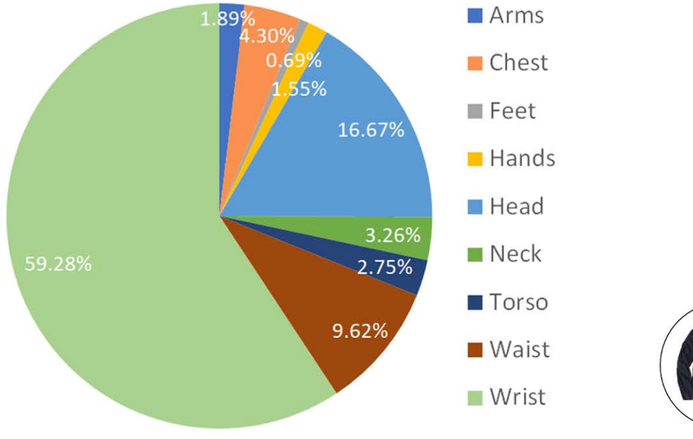
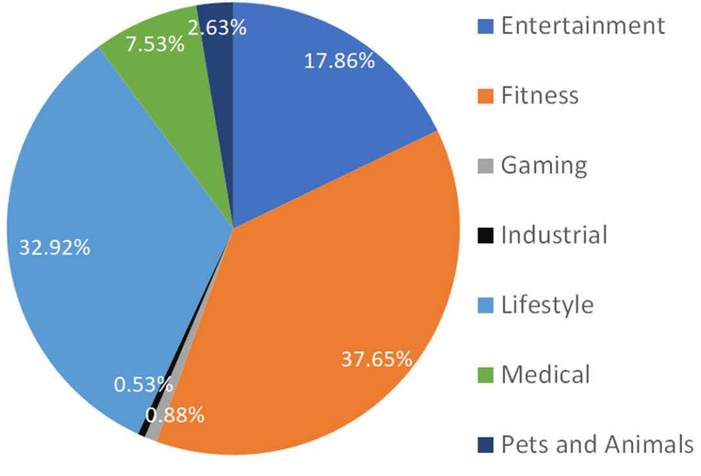

Deep Learning-based Human Activity Recognition with Wearales
Sensor
Application
DL Approach
Challenge
Physical
Physiological
IMU
Piezoeletric
Ultraviolet
GPS
Microphone
Camera
ECG
PPG
EMG
EMG
MMG
Healthcare
Fitness & Lifestyle
HCI
Medical
Pets&Animal
Entertainment
Gaming
Industrial
Autoencoder (AE)
Deep Belief Network (DBN)
Convolutional Neural Network (CNN)
Recurrent Neural Network (RNN)
Generative Adversarial Network (GAN)
Deep Reinforcement Learning (DRL)
Hybrid Models
Data Acquisition
Label Acquisition
Modeling
Model Deployment


1.89%
4.30%
0.69%
1.55%
16.67%
3.26%
2.75%
9.62%
59.28%
Arms
Chest
Feet
Hands
Head
Neck
Torso
Waist
Wrist


2.63%
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Entertainment
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