Fall detection systems

Signal acquisitionVisionWearableAmbientRGB-Camera
Omni-Camera
Depth-CameraAccelerometer
Gyroscope
Barometric pressureMicrophone
Radar
Wi-Fi
Vibrational
Floor



| Feature extraction | | |
|-----------------------------|-------------------------------|--|
| Vision | Wearable | Ambient |
| Position Motion Shape | Position Velocity Angle | Statistical measures Fourier transform Wavelet transform Cepstrum features |



Threshold

Machine learning

kNN
SVM
HMM
Decision Tree