## Fall detection systems

## Signal acquisitionVisionWearableAmbientRGB-Camera<br/>Omni-Camera<br/>Depth-CameraAccelerometer<br/>Gyroscope<br/>Barometric pressureMicrophone<br/>Radar<br/>Wi-Fi<br/>Vibrational<br/>Floor



## Feature extractionVisionWearableAmbientPosition<br/>Motion<br/>ShapePosition<br/>Velocity<br/>AngleStatistical measures<br/>Fourier transform<br/>Wavelet transform<br/>Cepstrum features



Threshold

Machine learning

kNN
SVM
HMM
Decision Tree