A framework for comprehensive comparison of video fall detection networks

Models & Datasets

Tommy : Fall Detection with CNNs and Optical Flow, RFDS dataset

Giorgos : DeepFall -- Non-invasive Fall Detection with Deep Spatio-Temporal Convolutional Autoencoders

Running Models

- ADD INSTRUCTIONS FOR RUNNING MODELS
- requirements, and then steps to run

Generating Data

- ADD INSTRUCTIONS FOR GENERATING DATA
- links to data, requirements, steps to run pipelines

File Structure

Data

- Within the Data directory there is a subdirectory which corresponds to each data set
- Within each subdirectory is:
    - originals: Directory containing original data
    - model_Pipeline.ipynb: Notebook to generate data in required for for model
    - model: Directory containing data in the form required for the model
    - labels.xxx: Labels containing falls start and end times

Models

- Within the Models directory there is a subdirectory which corresponds to each model