Anomaly detection through image and video dataset:

* Collection of dataset:

1. <https://www.idiap.ch/~odobez/RESSOURCES/DataRelease-TrafficJunction.php>

2 <http://www.svcl.ucsd.edu/projects/anomaly/dataset.htm>

3 <https://avires.dimi.uniud.it/papers/trclust/>

4 <https://www.kaggle.com/datasets/angelchi56/abnormal-highdensity-crowds>

* Data Preprocessing: includes data cleaning, augmentation and normalization
* Feature Extraction

1. Use cnn and rnn method

* Model Selection

1. Autoencoders
2. Recurrent Neural Networks

* Model Training and Evaluation

1. Autoencoders
2. Recurrent Neural Networks