Deep Learning
1. Deep Learning in General (Overview)
2. Demarcation to Artificial Intelligence and Machine Learning
3. Applications
4. Neural Networks

4.1 Overview

4.2 Different Types of Networks

4.2.1 CNN

4.2.2 RNN

4.2.3 LSTM

4.2.3 GRU

5. Object detection overview

5.1 One stage object detection

2D object detction

- 3D object detection

5.2 two stage object detection

2D object detection

- 3D object detection

5.3 Performance metrics

5.3.1 Mean average precision

6. Datasets overview

6.1 Dense volume data or Dense 3D data

6.1.1  CT scan

6.2 Sparse 3D data

6.2.1 LiDAR data

6.2.2 RGBD data

7 Resolution of image (general introduction)

7.1  Advantages and disadvantages of high resolution image

7.2  Advantages and disadvantages of low resolution image

(According to the  template from my college, the end of this section should be a summary of this section highlighting the issue that has not been adressed by the papers mentioned in this section)