Bi-month report

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PART ONE:

- Bi-week report
  - 1. Basic knowledge of NN(DNN,RNN,CNN,LSTM,RBM,TDNN)
  - 2.process of ASR
  - 3.several experiment(process of ASR,LSTM,TDNN)
  - 4.kaldi

PART TWO:

- Seminars:
  - 1.lessons videos and PRML
  - 2.Graphic model(EM Junction Tree and Sumproduct)(paused)

PART THREE:

- NN visualization:
  - Several paper about NN visualization
  - Th30 lstm(1024):
    - 1.relationship between each gate
    - 2.cluster for the output of cell(tSNE,KMEAN)
    - 3.initials and finals(there are no unit are sensitive to initials and finals)
    - 4.Tone(the 276th unit are sensitive to tone)
  - Wsj(512) GRU LSTM(512):
    - 1.memory of GRU LSTM (c,g)
    - 2.female and male(there are no unit are sensitive to male and female but find some unit sensitive to different speaker)

The next bi-month

- 1.visualizaiton NN
- 2.write book