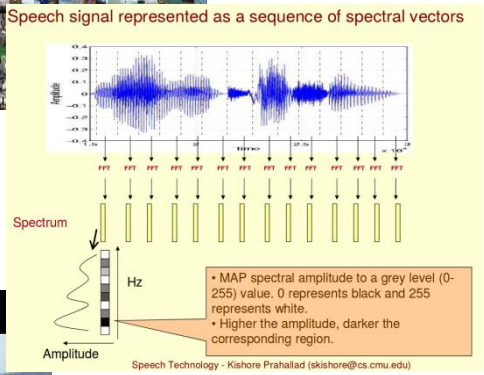
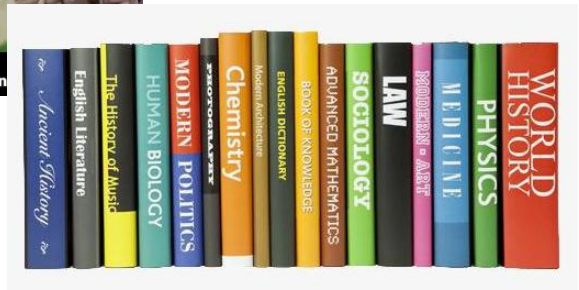
Web Info Processing

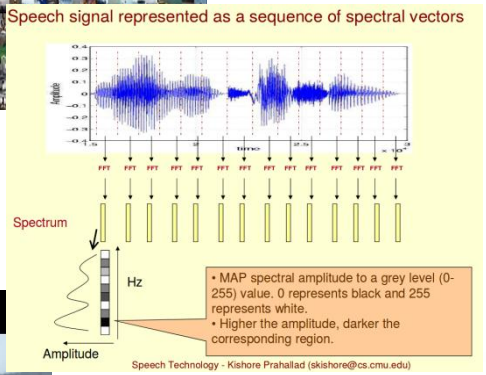
- with Deep Learning Models

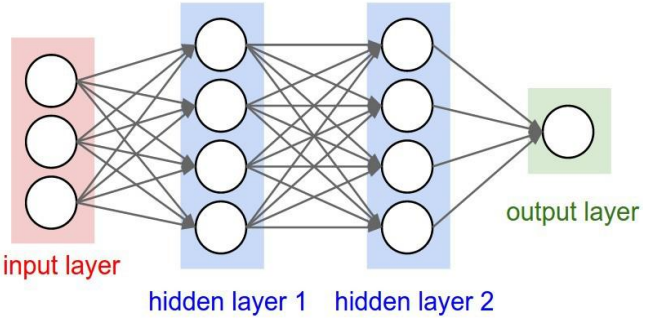
Web information

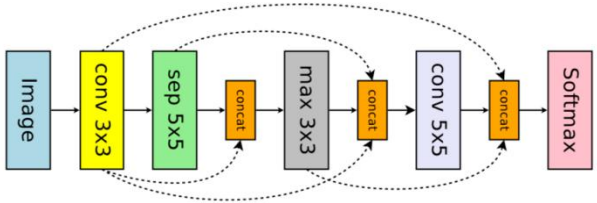


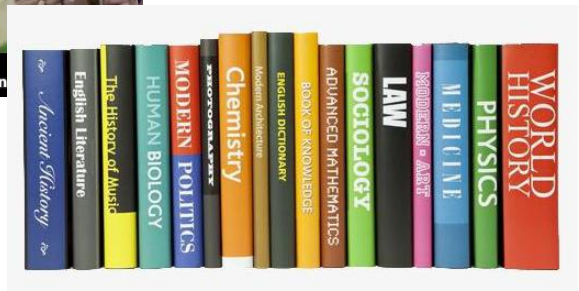


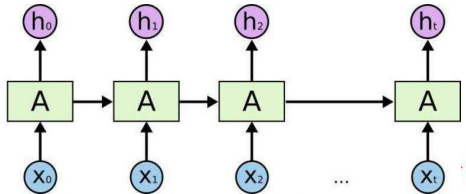
A Unified Approach











OF CHINA

Deep Learning Models

- Fundamental DL Models
  - Convolutional Neural Network
  - Recurrent Neural Network
  - Generative Adverial Network

- Advanced DL Models
  - CapsuleNet
  - Transformers
  - WGAN

Class Project

- Every class member should submit ONE class project
- You can use **Arxiv6k** dataset, or prepare your own dataset, and train your own model
- The project should be focused on image, sound, video, textual, or multimodal contents.

Grading Policy

- 50% points for the final project report (on Github)
- 50% points for the final class presentation

Github Repos

- Class slides repo
  - https://github.com/info-ruc/web21
- Project submission repo
  - https://github.com/info-ruc/web21projects