Digital Media Laboratory

Weekly Report

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Abstract

1. Read the literature and present a lecture
2. Search for key papers about AutoEncoder concept

Description

1. **Read the literature and present a lecture**
   We (me and Armin Behnamnia) presented a lecture about "Interpretable Learning".

2. **Search for key papers about AutoEncoder concept**
   I talked about my AutoEncoder ideas to Ali Osia and he showed me six papers and two chapters of a book. I may complete reading all of them after a couple of months.

   - Bishop chapters 9 and 10 (Variational inference)
   - VAE
   - Conditional VAE
   - GAN
   - Conditional GAN
   - AAE
   - VAE/GAN

Next Week

- Review the SP course syllabus and watch some videos about it
- Do homeworks of ML and SP and prepare for NLP midterm

References