



Abstract

1. Reddit project
2. Display Advertising project

Description

1. Reddit project

We examined more on the Bipartite architecture and came up with a tiny improvement in the accuracy (around 2%).

We introduced two novel models (Alpha-BGNN, Beta-BGNN) based on Bipartite Graph Neural Network's main idea.

Also we changed the Age groups according to other researches. Its results are being computed.

Sadegh is working on implementing GAT. I think we can manage to combine its architecture with the BGNN idea and make some improvements.

We are still waiting to have Erfan back from DANNI project.

2. Display Advertising project

I compared datasets and metrics on competing papers. There isn't much agreement in terms of selecting a dataset between these papers, but Criteo dataset is used in 3 of them.

Abbas targeted a conference (IEEE BigData 2020 Call for Papers) for my thesis project. I think I can submit a paper till it's deadline (Aug/19/2020).

Next Week

• Display Advertising project

Have a meeting with Abbas.

Confirm a dataset for the comparison.

Start applying my model on the dataset.

Start gathering competing papers implementations to compare their results.

• Reddit project

Make results out of the current idea for new age groups.

Ask DANNI group for our Erfan.

Have a meeting with Sina.

• SLT project

Read Thompson sampling tutorial and RPF paper.

Write project definition with Seyed Mohammadreza.

References