

Abstract

1. Display Advertising project

Description

1. **Display Advertising project**

I ran the experiments to find the main source of overfitting. The results show that some fields with high branch factors cause the problem.

I also ran some other experiments to consider ignoring those fields. But the results show without using the information in those fields, our proposed method won't achieve a competitive performance.

I read some of the competing papers to find the main ways of regularization which is being used in SOTA similar (deep) methods. I found out they mainly use L2-Reg and dropout. Some methods claim that regularization doesn't help at all when they use Batch Normalization. None of the papers I read had deployed regularization over embedding parameters. So I decided to experiment whether it's useful or not. I wrote the code and I'm waiting for the results.

Next Week

- **Display Advertising project**

I'll continue applying L2-Reg on other parts of the model (Interaction Networks and Head Network) and also applying dropout over all parts of the model (Embeddings, interaction Networks and Head Network).

Maybe find new papers or read the old ones to find other regularization techniques.

References