

Data mining package report

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November 2020

1 Introduction

Hi! This is the section for introduction. Create your own tex file and include the corresponding reference in main.tex.

2 Graph Mining

Hi! This is a new section.

3 DeepInf: Social influence prediction

3.1 Introduction

Social influence is everywhere around us, not only in our daily physical life but also on the virtual Web space. The term social influence typically refers to **the phenomenon that a person's emotions, opinions, or behaviors are affected by others..** Deepinf focus on the prediction of user-level social influence. It aims to predict the action status of a user given the action. An example for this problem is discussed in the Section 1.

Deepinf is a deep learning based framework to represent both influence dynamics and network structures into a latent space. The following steps are done to predict the action status of a user \sqsubseteq , the following

3.2 Problem formulation

3.3 Model framework

3.3.1 Embedded layer

3.3.2 Instane Normalization

3.3.3 Input Layer

3.3.4 GCN

3.4 Evaluation Metrics