Weekly Report (12/23/16)

Progress this week:

1) Xiangshan Trip

This week's biggest harvest, probably from Thursday's Xiangshan trip. In the social network analysis, community Daisen, anomaly detection, affective analysis, influence analysis, behavioral analysis, collaborative filtering, privacy protection, communication analysis are the hotspots of this study. For the adjacent matrix image processing problems, specifically the application of the algorithm, there is no reasonable application to find.

In the current social network theory, not a lot of use to the deep learning. Social networks into CNNs, RNNs, GANs still have such or that problem. That a network can use the network link matrix to produce pictures, it seems like the picture, use the powerful features of CNNs to achieve before the extravagant function.

2) Some Thoughts

I was impressed by the Institute of Information Engineering, Chinese Academy of Sciences, which is located next to the Xiangshan Mountain in Beijing. Under the sun, in the two or three clocks of the winter, stretches of the mountain in the background of blue sky is particularly beautiful. In the hard days of fog haze swept the four nine city, involuntary will miss, missing the blue sky. Away from the noisy urban areas, scientific researcher buried study.

Plan next week:

- 1) Merry Christmas.
- 2) Merry Christmas.
- 3) Merry Christmas.

This week's results:

国内外研究热点 离线分析系统 Pregel, GraphLab, GraphChi 图数据计算系统 在线搜索系统 Trinity, Horton, GSPARQL, NScale 图查询语言,可达性查询,最短路径查询,关键词查询,图数 图数据管理算法 据生成,图数据匹配,图数据表示,图数据压缩,图数据索引 图聚类,图分类,图粗糙化,图分割,图总结,图采样,密集 图数据挖掘算法 图数据基础算法 子图发现,模式子图发现,多源数据融合,图数据可视化 特殊图分析算法 动态图分析, 非确定性图分析, 二部图分析 社区发现,异常检测,情感分析,影响力分析,行为分析,协 社交网络分析 同过滤,隐私保密,传播分析 图数据应用算法 入侵检测,隐私保密,软件缺陷定位,生物数据分析,化学数 其他領域応田

Figure 1: Hot spots