大数据分析

授课老师:袁丁 空间科学与应用技术研究院 (yuanding@hit.edu.cn;信息楼L821)

助教:陈雯

课程目标(2学分,32学时)

- 1. 掌握数据分析的常用工具和编程语言;
- 2. 熟悉数据分析的常用算法和应用范围;
- 3. 掌握科技论文的写作范式和写作工具;
- 4. 初步具备独立完成科研项目的能力。

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课程内容 数据可视化 数据清理 数据清理 数据清理 数据为 数据 数据 数据 数据 数据

实验与报告 (5*10分)

- 1. 数据可视化
- 2. 爬虫技术
- 3. 数据交互
- 4. 聚类分析
- 5. 神经网络

课程互动:10分

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课程准备

- 笔记本或台式机
- 安装Python3: Numpy, Scipy, Pandas等
- Anaconda (推荐): https://www.anaconda.com/
- Python编辑器(推荐):Visual Studio Code https://code.visualstudio.com/
- Spyder
- Jupyter notebook (Markdown语言)

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Python练习网址

- https://www.practicepython.org/exercises/
- https://www.hackerrank.com/domains/python
- https://snakify.org/en/

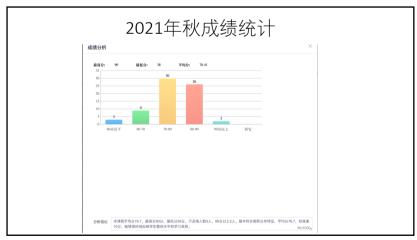
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成绩分布

• 实训与报告: 50分
• 实训6次, 实验报告: 5份
• 出勤与互动: 10分
• 考试: 40分

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