

**Heidelberg University**  
**Institute of Computer Science**  
**Database Systems Research Group**

**Lecture: Complex Network Analysis**

Prof. Dr. Michael Gertz

**Assignment 1**  
**Graph Theory and Networks in Python**

[https://github.com/nilskre/CNA\\_assignments](https://github.com/nilskre/CNA_assignments)

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- 1 Problem 1-1 Adjacency Matrix
- 2 Problem 1-2 Average Degree of a Growing Network
- 3 Problem 1-3 Difficulty of an Exhaustive Search
- 4 Problem 1-4 Introduction to Network Processing with Python