

# Ride Sharing Networks

## Literature

### **Scaling law of urban ride sharing**

Tachet, Remi, et al.

Scientific reports 7.1 (2017)

### **Scaling laws of collective ride-sharing dynamics**

Nora Molkenhuth, Malte Schröder, and Marc Timme

Physical Review Letters 125.24 (2020)

### **Topology dependence of on-demand ride-sharing**

Debsankha Manik and Nora Molkenhuth

Applied Network Science (2020)

Please also find additional literature.

### **The following concepts should be explained:**

- Explain scaling phenomena in ride-sharing
- Explain the analytical derivation of the thermodynamic limit
- Reproduce a simulation of your choice