Summary of theory part

- Introduction to simulation
  - Modeling vs. simulation
- Flow of simulation – generating process realizations
  - Discrete event simulation method
  - Different components of a simulation program
- Random number generation from given distribution
  - All methods!
- Collection and analysis of simulation data
  - Steady state simulations
  - Initial transient
  - Methods to get i.i.d. samples
  - Statistical analysis (confidence interval) based on i.i.d. assumption!
- Variance reduction techniques
  - Useful to understand