- This week (45) we will discuss algorithms for finding the K shortest paths (resp. hyperpaths) in graphs (resp. hypergraphs). After that we will start with analytic combinatorics, a powerful and generic technique for counting, analysing, and sampling combinatorial objects.

- Mandatory Reading:

  - The slides

- Recommended Reading:

  - Rolf Fagerberg, Christoph Flamm, Rojin Kianian, Daniel Merkle, and Peter F. Stadler: *Finding the K best synthesis plans*. J Cheminform. 2018; 10: 19.