

# Algorithm Analysis

## Handout 08 – Data Structures

Besides the Shaffer pdf text linked from the syllabus, here are some other resources to help you understand Algorithm Analysis and Big-O:

- Cusack, C. [\*An Active Introduction to Discrete Mathematics and Algorithms\*](#). Version 2.6
  - Check out Chapter 7.
  - In section 7.1.1, focus on Big O only. Don't worry about Big  $\Theta$ , Big  $\Omega$ , or the little o and  $w$ .
  - Example 7.2 and 7.3 are great.
  - In section 7.1.2, only worry about those properties related to Big-O.
  - Don't worry about section 7.1.4.
  - Peruse section 7.2.
  - Section 7.3 is great!
- Kempe, D. [\*Class Notes for CSCI 104: Data Structures and Object-Oriented Design\*](#). Dec 9, 2016.
  - Check out Chapter 8.
  - Again, focus on Big-O material.