CS3230 Design & Analysis of Algorithms	March 10, 2022

Lecture 7: Amortized Analysis

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Disclaimer: *These notes have not been subjected to the usual scrutiny reserved for formal publications. They may be distributed outside this class only with the permission of the Instructor.*

The goal of this lecture is to introduce you to the concept of amortized analysis and the three different ways this analysis can be performed.

For the most part, the contents of the lecture presentation are drawn directly from **Chapter 17 of CLRS**, which you should review. The sections of the chapter are:

- Section 17.1: Aggregate analysis

- Section 17.2: Accounting method

- Section 17.3: Potential method

- Section 17.4: Dynamic tables

They map directly to the presentation during lecture.