

COMP 333 — Week 5 Recap

Welcome to COMP 333 Data Analytics

In Week 5 we will look at Data Warehouses that laid the foundation for *decision-support systems* (DSS) primarily in business.

So Data Warehouses were an early part of Data Analytics.

This lecture will provide you an understanding of how Data Analytics is deployed in large-scale organizations.

The lecture will discuss ETL (Extract-Transform-Load) process introduced by the field of Data Warehouses which is the fore-runner of the Data Wrangling process in Data Analytics.

The lecture presented two success stories of business intelligence and e-commerce:

- ▶ Wal-Mart
- ▶ Amazon

We do not directly apply the content of this lecture to lab exercises nor lab assignments.

The content of this lecture will not form any significant part of your quizzes. though the material repeated in other lectures such as data wrangling and deployment will be included in the quizzes.

You should READ the supplied chapter:

Introduction to Data Warehousing, Chapter 1 of Data Warehouse Design: Modern Principles and Methodologies, 2009, by Matteo Golfarelli and Stefano Rizzi.

or at least the indicated sections of it below:

Golfarelli and Rizzi Sections 1.2, 1.3.2, and 1.7.3

Golfarelli and Rizzi Section 1.4

Golfarelli and Rizzi Sections 1.5, and 1.7.2