

[ceu-economics-and-business.github.io](https://github.io/ceu-economics-and-business)

# Data Architecture Tradeoffs. – ECBS 5146 SQL and Different Shapes of Data

2–3 minutes

---

- [Code of Conduct](#)
- [Setup](#)
- [Episodes](#)
- [Extras](#)
- [License](#)
- [Improve this page](#)

## Overview

**Teaching:** 90 min

## Questions

- Why 80% of classical Data Warehouse projects fails?
- Why RDBMS is less trendy these days?
- What are the expected characteristics of a data store these days?
- What are the limitation of a classical RDBMS and how the “New tools” are solving these limitations?

## Objectives

- Understand the issues around the classical Data Warehouse architecture
- Understand the limitation of RDBMDs
- Understand the social, economical and technological changes after 2010 and the radical changes induced in the data world
- Understand the role of opens source in data world
- Understand distributed systems
- Understand cloud-based systems
- Practice creation of a RDBMS in AWS

## Keywords

#SERVER ARCHITECTURES

#CLOUD

#SQL SWISSKNIFE

#NOSQL

#SCHEMALESS

#BEYOND TABULAR

## Table of Content

[Lecture PPTX](#)

[Installing MySQL in AWS Cloud](#)

[Homework](#)

## Installing MySQL in AWS Cloud

Getting insights in AWS cloud, has to major goals:

- A data system in cloud enables collaboration during the execution of your term project
- Introducing cloud in practice, helps students to understand the next lecture

[Tutorial](#)

### Homework (Optional, no need to submit)

- Replicate the “classicmodels” schema into your cloud instance using MySQL Workbench’s migration wizard.