

Big Data - Introduction

*Winter Semester 2018,
Cooperative State University Baden-Wuerttemberg*



Agenda – 01.10.2018

01 About This Lecture

Audience, Schedule, Materials (Slides, Script, Exercises, Books), Prerequisites, Exam, Feedback, Questions

02 Introduction To Big Data

Distributed Computing, Big Data V's, Big Data and Consistency, Big Data in Business, Definition of Big Data, Big Data Science

03 HandsOn - Hadoop

Introduction To The Hadoop Ecosystem, HDFS, Hive, Cluster Components

04 Exercises

Lorem Ipsum
Sir dolor

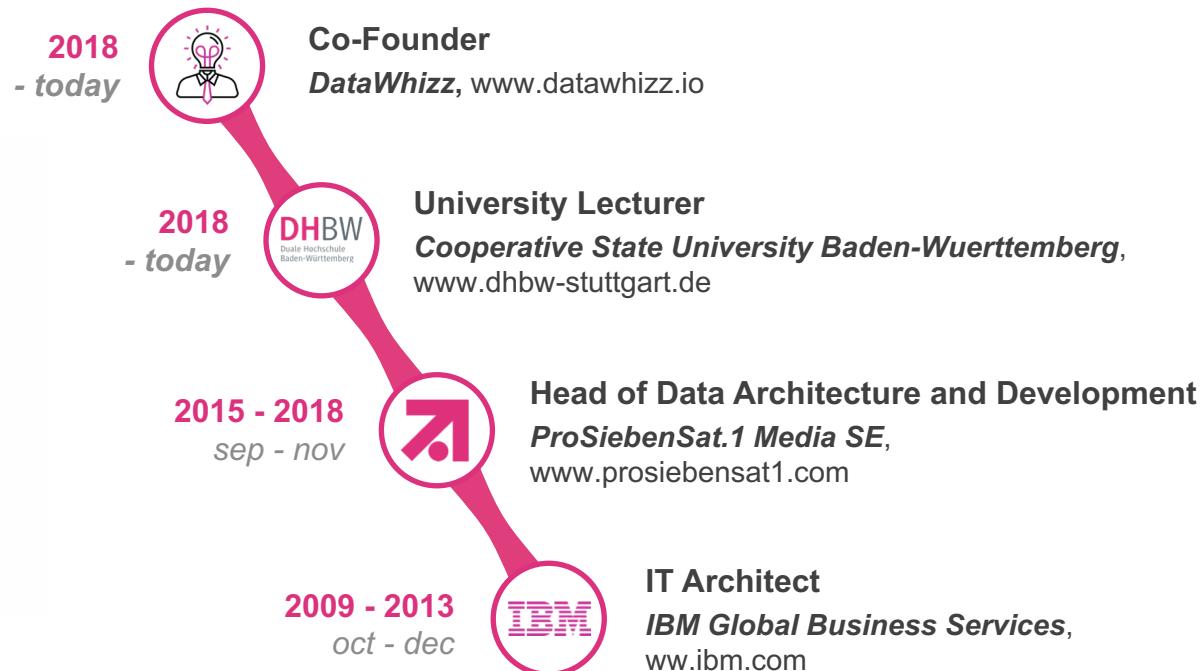


About This Lecture

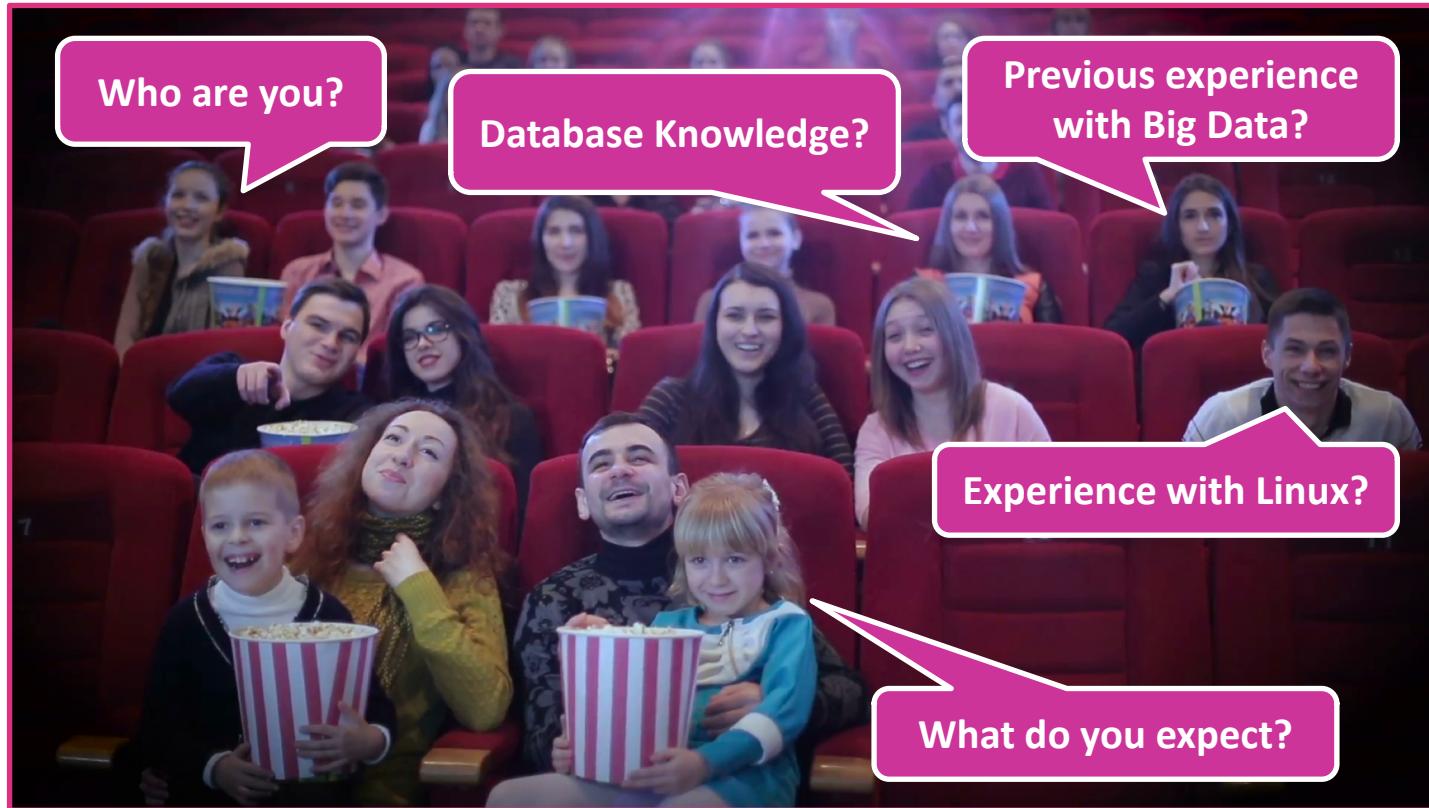
Scope, Schedule, Materials, Prerequisites, Exam,
Feedback, Questions



About Me



About You



Schedule

01.10.2018 16:00-18:30 Ro. 0.11

About This Lecture, Big Data Introduction, HandsOn Hadoop

08.10.2018 16:00-18:30 Ro. 0.11

Non-Functional Requirements Of Distributed Data-Systems, Data Models and Access

15.10.2018 16:00-18:30 Ro. 0.11

Challenges Of Distributed Data Systems: Replication

22.10.2018 16:00-18:30 Ro. 0.11

Challenges Of Distributed Data Systems: Partitioning

29.10.2018 16:00-18:30 Ro. 0.11

Batch Processing

05.11.2018 16:00-18:30 Ro. 0.11

Stream Processing

12.11.2018 16:00-18:30 Ro. 0.11

ETL Workflow And Automation

19.11.2018 16:00-18:30 Ro. 0.11

Software And Frameworks

26.11.2018 16:00-18:30 Ro. 0.11

Software And Frameworks

03.12.2018 16:00-18:30 Ro. 0.11

Data Science

10.12.2018 tbd tbd

Exam



Schedule – Lecture Composition

01.10.2018 16:00-18:30 Ro. 0.11

08.10.2018 16:00-18:30 Ro. 0.11

15.10.2018 16:00-18:30 Ro. 0.11

22.10.2018 16:00-18:30 Ro. 0.11

29.10.2018 16:00-18:30 Ro. 0.11

05.11.2018 16:00-18:30 Ro. 0.11

12.11.2018 16:00-18:30 Ro. 0.11

19.11.2018 16:00-18:30 Ro. 0.11

26.11.2018 16:00-18:30 Ro. 0.11

03.12.2018 16:00-18:30 Ro. 0.11

10.12.2018 tbd tbd

1

Presentation, Review and Discussion of exercises from previous lecture

2

Lecture of current topic

3

HandsOn to Software&Frameworks

4

Exercise execution

Materials



Prerequisites



Feedback



Questions



Introduction To Big Data

Distributed Computing, Big Data V's, Big Data and Consistency, Big Data in Business, Definition of Big Data, Big Data Science



HandsOn - Hadoop

Introduction To The Hadoop Ecosystem, HDFS,
Hive, Cluster Components



www.marcel-mittelstaedt.com



Exercises

Lorem Ipsum

