Course Content



Open-Minded



Data, Environments, Context





Personalization



Objectives



Recommender Systems







Network Analysis (SNA) Information
Visualization &
Visual Analytics



Learner Modeling

How?

Methods

Privacy



Who?

Stakeholders



Learning Analytics

Agenda



• Big Data

Core Hadoop

The Hadoop Ecosystem





Big Data and Hadoop

Big Data – Summary



52

- Big Data
 - 3 V's (Volume, Velocity, Variety)
 - 5 V's (Volume, Velocity, Variety, Veracity, Value)
 - Big Data + Big Data Analytics
- Big Data Storage
 - ACID vs. BASE (Consistency-Availability spectrum)
 - NoSQL (Key-Value, Column, Document, Graph Store)
- Big Data Analytics
 - Big data methods to generate insights (Turning data into value!)
 - Types (Descriptive, Diagnostic, predictive, Prescriptive, Continuous Analytics)



Big Data and Hadoop