Master module 1 or 3: Business Intelligence and Big Data (BIBA)

Om kurset

uddannelse	Computer Science / Informatik
sted	Teorirum 08.2
Undervisningssprog	English
Kursus starter	08-09-2016
Kursus slutter	17-11-2016
Indhold	-The course covers core concepts and tools for extracting data and analysizing data in complex settings. The role af data analysis in the modern and future organizations Data models and representation of fast moving data. Data mining and machine learning Tools for Big Data analysis: Hadoop (HBASE, PIG, HIVE) Graph and network analysis, v: Gephi Business Intelligence systems Use of the R system in data analysis
mål	Knowledge • Knowledge of core concepts, methods and techniques in data analysis, big data and business intelligence • Knowledge of methods to model and represent large, fast moving data • Knowledge of techniques in data mining and machine learning. Skills • Ability to use a selection of software systems to analyze and visualize complex data and relationships in data. Competences • Competences to analyze large volumes of data in complex contexts
Kursusdage	Every Thursday at 13.15- 17.00 p.m. in the period from 8 September - 17 November 2016.

Undervisningsform	Lectures and exercises.
Eksamensform	20 min. individual oral exam based on a written assignment. External examiner and 7 step scale.
Eksamenstidspunkt	Exams period = 4 - 10 January 2017 Deadline for submitting the assignment = 23 November 2016.
Vurdering	The excellent performance: The student demonstrates • solid knowledge, insight and overview of the subject area; • demonstrates solid description, competent application, and critical reflection with respect to the command and application of theories and methods; • demonstrates certainty, conceptual accuracy, and independent and clear organization with respect to structuring and communication. The good performance: The student demonstrates • knowledge of and insight into the subject area; • demonstrates clear description and relatively competent application with respect to the command and application of theories and methods; • demonstrates clear presentation and organization with respect to structuring and communication. The performance meeting the minimum requirements: The student demonstrates • sufficient however limited knowledge of the subject area; • demonstrates a sufficient account of command and application of theories and methods; • demonstrates a sufficient, but uncertain presentation with regard to structuring and communication.
Reeksamensform	20 min. individual oral exam based on a written assignment. External examiner and 7 step scale.
reeksamenstidspunkt	Re-exams period = 20 - 24 February 2017.
Aktivitetsansvarlig	Mads Rosendahl (madsr@ruc.dk)
Kursussekretær	Heidi Lundquist (heilu@ruc.dk)
Underviser	Henrik Bulskov (bulskov@ruc.dk)

Valgkursus

STADS stamdata (ut)	belastning : 5 ECTS	aktivitetskode : U40549	
	prøveform : Afleveringsopgave	bedømmelse : 7-trinsskala	censur : Intern censur