

Course Information

Dr. Jing Gao

1

About this course - Aim



Big Data
concepts



Big data
architectures



Big Data
analytics



Big Data
initiatives



Applications

About this course - Objectives



Non-relational
databases



Hadoop
ecosystem



Data storage
architectures



Business case for
effective use of Big Data

Delivered fully hybrid



- Flexible learning:

- Workshops to attend in person
- Online resources and activities
- Online forums
- Hybrid drop-in practical sessions

Learning resources online

- No textbook – rapidly changing field
- Resources for required reading/viewing when the topic is made available
- Research papers, white papers, media articles, websites, blogs and videos



Learning resources online



Custom recordings

- Concepts, tools or method demos
- Real world Big Data problems and opportunities



Practical tasks

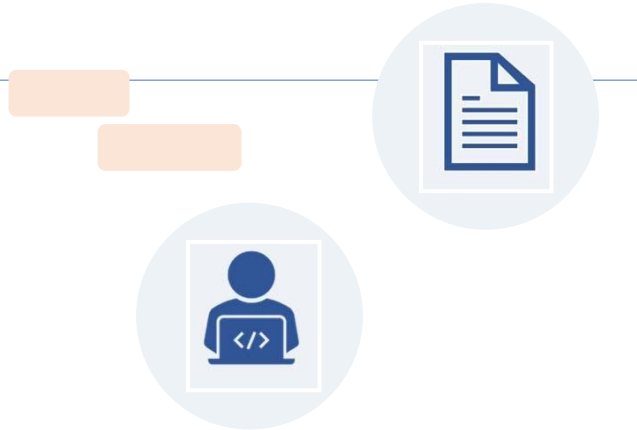
- Set up of software tools on your own computer
- Hands on experience with Big Data tools and technologies



Online activities

Assessment tasks

- Assignment 1 – Technology Review (30%)
- Assignment 2 – Big Data Strategy Proposal (50%)
- Continuous Assessment (20%)
- Three tests linked to practical work



Academic Integrity Matters!

- Referencing:
 - Harvard referencing style
 - Good quality, recent references (last 5 years)
 - Reference all sources of information you use
 - Paraphrase appropriately
- Plagiarism will not be tolerated.

