Cyber analytics 802 (WST 802)

Qualification	Postgraduate
Faculty	Faculty of Economic and Management Sciences
Module credits	20.00
Programmes	MCom Advanced Data Analytics (Coursework)
	MSc Advanced Data Analytics (Coursework)
Service modules	Faculty of Natural and Agricultural Sciences
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Statistics
Period of presentation	Semester 1 or Semester 2

Module content

Reviewing, from a statistical perspective, the cyber-infrastructure ecosystem including distributed computing, multi node and distributed file eco systems, such as Amazon Web Services. Structured and unstructured data sources, including social media data and image data. Setting up of large data structures for analysis. Algorithms and techniques for computing statistics and statistical models on distributed data. Software to be used include, Hadoop, Map reduce, SAS, SAS Data loader for Hadoop.

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