

University of Pretoria Yearbook 2019

Cyber analytics 802 (WST 802)

Qualification Postgraduate

Faculty Faculty of Economic and Management Sciences

Module credits 20.00

Programmes MSc Advanced Data Analytics (Coursework)

Service modules Faculty of Economic and Management 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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