

Professor. Wray Buntine
Data Science & AI
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Biography

Wray is a Professor in the Faculty of Information Technology at Monash University in Melbourne, Australia. He enjoys playing with web/text data and writing code, and supports some of his work on Github (wbuntine). His research interests include theoretical and applied work in document and text analysis, machine learning, and probabilistic methods including:

discrete non-parametric Bayesian statistics

latent variables in semi-structured and text analysis

topic models for semi-structured data

applications in medical and health informatics.

He teaches Introduction to data science (FIT5145) and Modelling for data analysis (FIT5197) and (some time in the future) Data analysis for semi-structured data (FIT5212). He was founding director of the Master of Data Science, see the introduction to new students at Youtube.

See more at blog and academic webpage at Bayesian-Models.ORG website (see links section, below).

Read the rest of the profile

Find about publications on Google, DBLP, ORCID and ResearchGate.

Current activity:

visiting University of Helsinki, Winter 2018-2019

attending ACML 2018 in Beijing in November 2018, ECML-PKDD in Dublin in September 2018, PAKDD in Melbourne in June 2018

attended 9th ACML in Seoul, Korea in November, 2017, ICML and UAI in Sydney, August 2017

Service activity:

editorial board for *Knowledge and Information Systems*, *Data Mining and Knowledge Discovery*, and *Behaviormetrika*

senior PC for AAAI 2019, ACML 2018, IJCAI 2018, UAI 2017, ACML 2017, KDD 2017, IJCAI 2016, KDD 2016 and KDD 2015

hiring and grant review panels

Completed students:

Novi Quadrianto: ANU. Supervisory panel member for Doctoral Thesis "Learning for the Internet: Kernel Embeddings and Optimisation," awarded 2011.

Lan Du: ANU. Supervisor for Doctoral Thesis "Non-parametric Bayesian Methods for Structured Topic Models" awarded 2012.

Changyou Chen: ANU. Supervisor for PhD Thesis "Dependent Normalized Random Measures," from 2011, awarded 2014.

Aaron Li: ANU. Supervisor for Honours Thesis "Multi-GPU Distributed Parallel Bayesian Differential Topic Modelling," awarded 1st class honours December 2012.

Kar Wai Lim: ANU. Supervisor for PhD Thesis, started 2012, completed 2016.

Swapnil Mishra: Supervisor for Master Thesis "Sparse and Hierarchical Topic Modeling." Awarded 1st class honours, July 2014.

Related Links:

Blog and academic webpage at Bayesian-Models.ORG website

Google Scholar entry

DBLP entry (computer science bibliography)

Research Gate web page

The 5th Asian Conference on Machine Learning, was co-chair (ACML2013)

Topic modelling and large scale discrete non-parametric libraries supported at Github (wbuntine)

W. L. Buntine (1994) "Operations for Learning with Graphical Models" , Volume 2, pages 159-225

Qualifications

Activities

Course Director - Master of Data Science - Faculty of Information Technology, Monash University

Wray Buntine (Chair/ Co-Chair)

1 Jan 2016

Member - Faculty Research Committee - Faculty of Information Technology, Monash University

Wray Buntine (Member)

1 Jan 2016

Member - Graduate Programs Committee - Faculty of Information Technology, Monash University

Wray Buntine (Member)

1 Jan 2016