

Dr Aloke Phatak



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Training Centre
Associate Director

Theme 2

Aloke is an engineer-turned-applied statistician. He started his professional career in rocket science but then discovered statistics. He spent more than 20 years at CSIRO, where he carried out research in applied statistics; worked with a wide range of industries and in diverse areas such as industrial statistics, biomarker discovery, and climate extremes; and developed short courses for practicing engineers and scientists. At Curtin, he led the development of the undergraduate Data Science major and is currently Associate Director of the Centre.

Aloke is an advocate of the sensible use of statistics for answering real-world problems, so he's happy to help with anything!

Website

Publications

- [Informative Bayesian Survival Analysis to Handle Heavy Censoring in Lifetime Data \(...\)](#) —

Conference Publishing

[Ryan Leadbetter](#)

Authors: Ryan Leadbetter; Aloke Phatak; Adriano Polpo; Melinda Hodkiewicz

2021-12-15

- [Building employability capabilities in data science students: An interdisciplinary, industry-focused approach \(...\)](#) —

Journal Article

[Dr Aloke Phatak](#)

Authors: Sonia Ferns, Aloke Phatak, Susan Benson, Nina Kumagai

2021-06-25

- [Optimal Thresholding of Predictors in Mineral Prospectivity Analysis \(...\)](#) —

Journal Article

[Dr Aloke Phatak](#)

Authors: Adrian Baddeley, Warick Brown, Robin K. Milne, Gopalan Nair, Suman Rakshit, Tom Lawrence, Aloke Phatak, and Shih Ching Fu

2020-11-11

- [Evaluating the Accuracy of Bluetooth-Based Travel Time on Arterial Roads: A Case Study of Perth, Western Australia \(...\)](#) —

Journal Article

[Dr Aloke Phatak](#)

Authors: Liu, Y., Xia, J., & Phatak, A.

2020-02-21

- [Stillbirth risk prediction using machine learning for a large cohort of births from Western Australia, 1980–2015 \(...\)](#) —

Journal Article

[Dr Aloke Phatak](#)

Authors: Malacova, E., Tippaya, S., Bailey, H.D. et al.

2020-03-24

Presentations

- [Conversational Data Analysis using ChatGPT \(...\)](#) —



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2024-02-07

- [Complex Data Requires Creative Solutions \(...\)](#) —



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2023-06-09

- [Interdisciplinary, industry-based work-integrated learning \(WIL\): Transformative educational experiences for students, teachers and industry partners \(...\)](#) —



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2021-09-30

- [Building employability capabilities in data science students: An interdisciplinary, industry-focussed approach \(...\)](#) —



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2021-07-09

Awards and Prizes

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Tools

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