

Thomas Brown

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SUMMARY

Statistician in the pharmaceutical industry specialising in data driven approaches to clinical development. Second follow-up sentence placeholder goes here. However, the first sentence is still in a draft state and will more than likely see further revision.

EXPERIENCE

Statistician

Veramed (September 2016 - Present)

- Developing machine learning algorithms to predict clinical outcomes for patients
- Designing and analysing clinical trials in immunology and neurology
- Wrote several statistical simulations to assess operating characteristics of a study
- Presenting statistical analyses and concepts to non-statistical colleagues
- Become the in-house expert in R and data visualisation

Sales and Membership / Sponsorship and Advertising Assistant

University of Sydney Union (February 2014 – September 2015)

- Responsible for a membership program consisting of over 15,000 students
- Managed a team to run events promoting membership to the University of Sydney Union
- Developed and Maintained client relationships for a multi-channel advertising program
- Assisted with projects enhancing the on-campus experience of students

EDUCATION

Master of Science (Medical Statistics)

London School of Hygiene and Tropical Medicine, University of London (2015 – 2016)

Bachelor of Arts (Honours) (English)

University of Sydney (2011 – 2014)

Exchange Student

University of Leeds (2012 – 2013)

SKILLS

R

- Extensive experience developing analyses and manipulating data in R for clinical trial data
- Sole developer for several R Shiny applications for commercial purposes
- Regarded as the principal in house expert at Veramed for all things R

Python

- Developed machine learning algorithms in Python
- Experience with numpy, pandas, scikit-learn, and keras

SQL

- Write SQL code for creating datasets from larger data sources
- Use SQL syntax within SAS for manipulating clinical trial data

Data Visualisation

- Developed both static and interactive graphics for presenting to both statistical and non-statistical audiences.

Data Manipulation

- Able to handle unstructured and messy data to develop 'analysis ready' datasets

Self-Learning

- Since completing a MSc, undertaking multiple pieces of continuing education independently including Stanford Online's Statistical Learning Course, nearly 50 courses on DataCamp, and frequently attended meetups and conference for statistical and programming education

Machine Learning

- Built multiple algorithms using canonical techniques in both supervised learning and deep learning scenarios.
- Act as a consultant for clients regarding the design of machine learning algorithms

Statistical Modelling

- Performed statistical modelling in clinical trials including Bayesian methods

Experimental Design

- Designed multiple early phase exploratory clinical studies to determine drug efficacy

REFERENCES

Available on Request