

Zhenwei YANG

MSc Method&Statistics | Research Intern at Utrecht University

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Beneluxlaan 716, 1363DA, Almere, the Netherlands

Combined background of Medicine and Data analytics



EDUCATION

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| 2019 - present | MSc in Method & Statistics at Utrecht University, the Netherlands |
| 2017 - 2018 | Exchange Program at VU Amsterdam, the Netherlands (statistical methods 9.0) |
| 2014 - 2019 | BMed in Preventive Medicine (5-year) at Fudan University, China (GPA : 3.3/4.0) |

RESEARCH EXPERIENCE

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| Present
September 2020 | Combining Latent Budget Analysis with Neural Networks for Compositional data, UU, the Netherlands
Supervisors : Ayoub Bagheri, Prof. dr. Peter van der Heijden <ul style="list-style-type: none">> Use neural networks to interpret the framework of Latent Budget Analysis (LBA)> Plan to develop a function in R to predict prospective cases in the context of compositional data <div>R package : lba package : keras</div> |
| November 2020
September 2020 | Content-Based Shape Retrieval System, UU, the Netherlands
Course : Multimedia Retrieval <ul style="list-style-type: none">> Preprocessed 3D shapes in Labeled PSB dataset and extracted 10 features from normalized meshes> Incorporated a customized query system on a GUI using customized matching and scalability techniques (KNN and t-SNE) <div>Python package : open3D package : Trimesh package : Scikit-learn package : Tkinter</div> |
| July 2020
February 2020 | Methods for "Treatment Paradox" Correction in a Time-dependent Cox Model, LUMC, the Netherlands
Supervisor : Prof. dr R.H.H. Groenwold Manuscript in preparation <ul style="list-style-type: none">> Conducted a simulation study to implement six techniques for "treatment paradox" in a prognostic model (i.e., a time-dependent Cox model)> Studied the factors that could impact the performance of the six techniques> Provided suggestions for clinical researchers to cope with the bias brought by treatment usage in observational studies during prediction modelling <div>R package : rms package : pec package : survival</div> |

WORK EXPERIENCE

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| PROGRAMME ADVISORY COMMITTEE MEMBER | 09/2019 - PRESENT |
| Evaluate the setting and teaching of the programme; Organize programme activities, e.g. Open Master Day, Christmas Dinner | |
| GRADUATE TEACHING ASSISTANT AT UMCU | 04/2020 - 06/2020 |
| Helped assist students from BSc for Bioinformatics in theoretical lectures and computer practicals; Mainly focus on R programming skills, supervised learning and statistical concepts, etc. | |
| PART-TIME ANALYST IN IQVIA | 11/2018 - 05/2019 |
| Supported two projects about launching two innovative medicine in Chinese market; Conducted desktop research, KOL interview and market prediction | |

AWARDS

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| Utrecht University Scholarship for Student Consultation | 09/2019 - present |
| The Outstanding Graduate of Fudan University in the year of 2019 | 06/2019 |
| Scholarship of Fudan University, first prize (Guanghua Scholarship) | 11/2017 |
| Scholarship of Fudan University, second prize | 10/2016, 03/2019 |

REFERENCES

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