Zhenwei YANG
MSc Method&Statistics | Research Intern at Utrecht University

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♥ Ravenoord 67, 3523DB, Utrecht, the Netherlands
i Combined background of Medicine and Data analytics

🎓 EDUCATION

2019 - present	MSc in Method & Statistics at Utrecht University, the Netherlands (present avg. score : 8.43/10)
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

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
> 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

`R` `package : lba` `package : keras`

November 2020
September 2020

Content-Based Shape Retrieval System, UU, the Netherlands
Course : Multimedia Retrieval
> 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)

`Python` `package : open3D` `package : Trimesh` `package : Scikit-learn` `package : Tkinter`

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
> 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

`R` `package : rms` `package : pec` `package : survival`

💼 WORK EXPERIENCE

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 BMSc 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

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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