

Zhiheng Zheng

Location: Haidian District, Beijing | Email: yikezzh@gmail.com | +86 188 0138 6690 |
github.com/yikeweiliang

Education

Peking University, School of Physics (**Major**) Sept 2023 – July 2027(Ex)

- GPA: 3.65/4.0
- **Coursework:** Advanced Mathematics(A)(88/100), Methods of Mathematical Physics(93/100), Linear Algebra(88.5/100)

Peking University, National School of Development (**Major**) Sept 2023 – July 2027(Ex)

- GPA: 3.70/4.0
- **Coursework:** Probability and Statistics, Econometrics, Principles of Economics(90.2/100), International Finance(100/100)

Prize

Second Prize of Chinese Physics Olympiad in Beijing competition area Sept 2021&2022

Project

Mathematical Contest In Modeling Jan 2025

- Utilized **Neural network model**, **LASSO regression** and **Ridge regression** to model and analyze the problem, obtained quantitative evaluation results, and given decision-making suggestions according to the evaluation results
- **Factor analysis** was used to quantify the influence of "great coach" on a country's sports performance
- Was primarily responsible for **modeling**, but also helped with about 30% of the team's **paperwork**
- **Tools used:** Python, SPSS, Latex

China Undergraduate Physics Tournament Oct 2024

- Build a physical model, analyze physical problems such as lato and Magnetic Assist, and conduct simulation experiments with matlab
- Mainly participated in data processing, experimental design and experimental report writing
- **Tools used:** Matlab, Tracker, Python, Latex

China Economic research Course Paper Dec 2024

- Analyzed the situation of China's new energy vehicle industry going abroad in recent years based on industry research reports and data issued by the National Bureau of Statistics
- Mainly responsible for mining the data in the research report, summarizing statistics and using Excel tools for processing
- **Tools used:** SPSS, Excel, Latex

Technologies

Languages: C++ , C, Python, Latex, matlab, Excel