

# Xiangyu Zheng | Curriculum Vitae

No.5 Yiheyuan Road Haidian District – Beijing, P.R.China

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## Education

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**Guanghua School of Management**  
*Ph.D. candidate*

**Peking University**  
*2017.9 – Present*

**School of Mathematical Sciences**  
*B.S. in Statistics*

**Beijing Normal University**  
*2013.9 – 2017.7*

## Refereed Publication

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- **Zheng X.** and Chen S. X. (2019). Partitioning Structure Learning for Segmented Linear Regression Trees. In Advances in Neural Information Processing Systems (NeurIPS 2019, to appear)

## Technical Reports

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- Liu, H., Guo, B., Ye, F., Li, Y., **Zheng, X.**, He, J., Wang, H. and Chen, S.X. (2018). Air Quality Assessment Report V: Regional Air Quality Assessment of the 2+31 Cities. Center for Statistics at Peking University.
- Liu, H., Ye, F., Sun H., Guo, B., Liu R., Xiao, J., He, J., **Zheng, X.**, Wang, H. and Chen, S.X. (2019). Air Quality Assessment Report VI: Regional Air Quality Assessment of the 2+43 Cities. Center for Statistics at Peking University.

## Invited Conference Talk

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- "A Tree-based Estimator for Segmented Linear Regression Models", 2019 IMS-China International Conference on Statistics and Probability, Invited Speaker. Dalian, China, July 2019.

## Honors/Awards

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**2019** Merit Student of Peking University  
The Hongxin Scholarship

**2018** Merit Student of Peking University  
National Scholarship

**2016** Honorable Mention, Mathematical Contest In Modeling (MCM)

**2015** Meritorious Prize, China Undergraduate Mathematical Contest in Modeling (CUMCM)

## Research experience

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### Research Assistant:

- Assistant to Professor Song Xi Chen, contribute to the China's National Key Research Special Program Grant, "Air Pollution Causes and Control Analysis".
- Collaborated with group members on the yearly report of "Regional Air Quality Assessment".
- Worked on the prediction of PM<sub>2.5</sub>, which motivated the paper accepted by NeurIPS 2019.
- Working on the assessment of the causal effect of air pollution alert on air quality.

## Computer skills

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**Statistical software:** R, Python.