# Dong Yuan

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## Education

09/2013 – 06/2017          Southern Medical University          School of Public Health

Bachelor degree of Science, biostatistics

GPA: 3.60/4.0

Related Courses: Multivariate Analysis, Biostatistics, Survival Analysis; R and SAS Language, Data Management, Evidence Based Medicine

09/2017 – present          Columbia University          Mailman school of public health

Master of Science, Biostatistics, expected at 06/2019

Related Courses: Biostatistics Method; Data Science

## Research Experience

2015/10/01-2016/04/01          Air Pollution Program                              group member

1.Collect data from internet and sort them using SAS, and therefore knowing how to find and pull the data I need, and getting well with manipulate the data for further analysis using SQL and data step.

2.Draw heat maps and boxplots using R language. It told me how to present appropriate figure according to what I want to know or show about the data, and give me a great practice on how to draw various figures using ggplot.

3.Analyze the result of Hierarchical Linear Model for further revision and interpret the findings. As the most crucial part of the research, I have a deeper understanding of how to select model, which involves knowing the target problem, exploring the data and considering the research context.

4. Published paper of *Spatiotemporal patter of air quality index and its associated factors in 31 Chinese provincial capital cities* on Air Quality, Atmosphere and Health. First time writing a formal thesis let me know some general protocol and improved my writing skills.

2016/03/01-2016/05/01          Production of scale of impoverished students' identification     group leader

1.Set initial scale with group members. This gave me a whole new understanding of how to set scale, like knowing the target population and their most cared questions, finding or analyzing crucial problems that can be indicators;

2.Collect data and analyze reliability and validity of the scale, which deepened my understanding of quality of scale;

Projects in class

1.Set a complete database for cellphone information. It helped me understand why we should set three Normal Forms and how we build it using real word data.

2.Write SAS code to simulate some basic functional program as in bank system. This was my best practice in SAS since this process involved huge amount of algorithm and some tricks that need to consider.

## Honors&Awards

The first prize in SAS competition in China.

School Scholarship of University in junior year;

The first prize in freestyle swimming during university sport meeting;