

# LINGMEI ZHAO

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Portfolio: <https://lingmeizhao.github.io/> | LinkedIn: <https://www.linkedin.com/in/lingmeizhao/>

## Education

<b>The George Washington University</b> Master of Science in Statistics, GPA: 3.90/4.00 Courses: Statistical Computing, Statistical Data Mining, Mathematical Statistics II	Expected May 2020 Washington, D.C., USA
<b>Shanghai University of International Business and Economics</b> Bachelor of Arts in Assets Appraisal, GPA: 3.86/4.00	Sept 2013 - July 2017 Shanghai, China

## Skills

<b>Programming Languages</b>	C++, Java, Python, R, Scheme, SQL, HTML, CSS, JavaScript
<b>Computer Skills</b>	Linux, Ms Office, SAS
<b>Web Development</b>	React.js, RESTful API, Spring, JSP, D3.js
<b>Technologies</b>	Data Analysis, Machine Learning, Recommender System

## Experience

<b>Data Science Research Assistant</b> <i>George Washington University</i>	Oct 2018 - Expected Apr 2019 <i>Washington D.C. Metro Area, USA</i>
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- Project: A.I. and User Behavior for Robust Near Real-Time Recommendations.
- Working as a group research collaborator for Dr. Benjamin Harvey, faculty of George Washington University.
- Developing a data dashboard for interactive data visualization with D3.js.
- Using RESTful API to provide interoperability within the dashboard and the back-end.
- Contributing to data cleaning and feature engineering work using Python and R.
- Working collaboratively with other team members using Github for version control.

<b>Data Analyst Intern</b> <i>Kantar Media CIC</i>	Aug 2016 - Feb 2017 <i>Shanghai, China</i>
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- Analyzed the opinion and voice of virtual communities and network users towards TV shows. Wrote eight industry reports with team members for Group M.
- Collected more than one million product reviews and user information from online social media channels and wrote data report monthly.
- Plotted word clouds of online comments using Python wordcloud package and designed data visualization solution of key review words using R.

## Independent Projects

**Portfolio (Projects successfully completed):** <https://lingmeizhao.github.io/>

### Bulletin Board Web App

- Project Link: <https://lingmeizhao.github.io/bulletin-board/>
- Applied CSS/HTML to design the web appearance, and used React.js to build interactive UI.
- Used RESTful API to retrieve data from the back-end.
- The notes on board can be added, removed, and edited. I used a random number to choose the position of every note, which makes them randomly scattered on a bulletin board.

### Sentiment Analysis on Hotel Reviews

- Visualized word frequency of 18,000 hotel reviews using bar charts and word clouds using Python.
- Applied  $\chi^2$  test to select the top 500 important words as features to train the model. Divided reviews as positive and negative according to its users' ratings.
- Constructed a logistic regression model to make predictive sentiment analysis for hotel reviews using R.