Xiaoyang Wang

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🎓 Education

University of Wisconsin - Madison	Madison, WI, U.S.	2022.09 – 2024.05
Master of Science in Statistics and Data Science		
East China Normal University	Shanghai, China	2019.09 – 2023.06
Bachelor of Science in Statistics		

👥 Experience

CSM Media Research Co., Ltd.	Beijing, China	2024.07 – 2025.08

Senior Research Analyst Sports and Sponsorship Research Department

1. Regular Reports
   - Responsible for producing TV audience reports for the Big Five European football leagues, UEFA, Formula 1 races, ONE Championship and FIS competitions.
   - Tasks included data extraction, cleaning, visualization, and analysis.
   - Developed automated programs to streamline workflows.
   - Built web crawlers to collect match schedules and program listings.
2. Sports Database
   - Participated in building the standard sports database.
   - Developed interactive automated data cleaning dashboards to support the process from raw data to database entry.
3. Language Models
   - Designed and developed integrated language models for classification, named entity recognition, and retrieval-augmented generation.
   - Improved efficiency in routine tasks.
4. DataEase Dashboard
   - Collaborated with the team to design and develop DataEase dashboards that integrate TV and mobile data for comprehensive analysis.

Wisconsin Institute for Discovery	Madison, WI, U.S.	2023.07 – 2024.05

Research Assistant Claudia Solís-Lemus Lab

1. ANOVA in BHV Tree Space
   - Proficient in Bowers-Hatcher-Vogtmann (BHV) tree space theory and the application of statistics and central limit laws in this space.
   - Designed hypothesis testing, formulated appropriate test statistics, verified the asymptotic properties of statistics through theoretical derivation and simulation studies, and ensured the accuracy and reliability of analysis results.
2. Interactive Visualization of Virus Linker
   - Cleaned and processed the uploaded viral protein sequence data to format it into a structured data set for further analysis.
   - Developed interactive visualization tools to display the relationships between protein sequences, assisted biologists in experimental design.
3. Wisconsin Seed Potato Certification Program Online Data Analysis Dashboard
   - Built an efficient online data analysis platform, integrating data verification, cleaning, visualization, statistical testing and prediction functions to provide comprehensive data processing and analysis.
   - Conducted diversified data analysis for the Wisconsin Seed Potato Certification Program (WSPCP), conducted in-depth research on potato disease epidemic trends, and provided data support for the formulation of disease management and prevention strategies.

Shanghai Digitalgeneai Intelligent Technology Co.	Shanghai, China	2022.03 – 2022.08

Assistant Data Analyst Bioinformatics Department

Huaxi Securities Co., Ltd.	Beijing, China	2021.07 – 2022.03

Assistant Analyst

⚙ Skills Interests

- Programming Language: R, Python, C++, Shell/Bash.
- Technologies Tools: TensorFlow, PyTorch, Transformers, Pandas, Numpy, Scikit-learn, Shiny, Git, LLM, LaTeX, SQL, Microsoft Office Softwares.
- Others： English, Soccer, Badminton, Skiing, Quant Analysis.