

FREE Data Science Consultation

Bring your data or ideas! We provide solutions!

Where: Mississippi INBRE Data Science Consulting Booth, 90th Annual Mississippi Academy of Sciences (MAS) Meeting (Gulf Coast Coliseum and Convention Center, Biloxi, MS)

When: March 19 - 20, 2026

Sessions: 30-minute one-on-one consultations

PUI Priority Deadline: *Friday, March 13.* Scan the QR code to book your session:

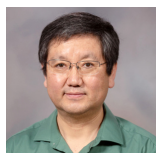
Faculty members from Mississippi primarily undergraduate institutions (PUIs) may reserve a consultation slot through Friday, March 13. Any remaining consultation slots that have not been filled by this deadline will be opened for registration to the general public.

If no slots work for you, email a consultant to schedule beyond the listed slots.



<https://qrco.de/bgVpyO>

Meet the Consultants:



Dr. Yufeng Zheng

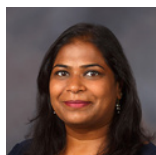
Associate Professor, Department of Data Science
University of Mississippi Medical Center
Director, Data Science Core,
Mississippi INBRE
yzheng@umc.edu

Expertise:

- Image Analysis, Pattern Recognition, Deep Learning, AI Computer-Aided Diagnosis (CAD), Large Language Models (LLMs).

Services at the booth:

- General machine learning / AI research consultation
- Advice for AI agentic tools such as AI coding
- Discussion for potential research collaboration



Dr. Lavanya Challagundla

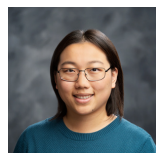
Assistant Professor (Bioinformatics)
Department of Cell and Molecular Biology
University of Mississippi Medical Center
lchallagundla@umc.edu

Expertise:

- High throughput sequencing analysis including functional enrichment and pathways (WGS, RNASeq, 16S microbiome, Metagenomics), single cell and spatial transcriptomics, pipeline development and automation, data visualization and interpretation.

Services at the booth:

- Provide experimental design help on sampling strategy, sequencing depth, analysis/software tools to be used.
- Discuss potential collaborations and services we provide at UMMC.
- Quick troubleshooting on software/workflows on existing projects.
 - For this service, please bring specific challenges you have faced to discuss. This is not intended for an in-depth analysis but rather quick troubleshooting advice.



Dr. Jingyi "Catherine" Shi

Assistant Professor of Statistics
Department of Mathematics and Statistics
Mississippi State University
Associate Director, Data Science Core, Mississippi INBRE
js5328@msstate.edu

Expertise:

- Applied Statistics, Supervised Machine Learning, Predictive Modeling, Feature Selection, Health Informatics, Knowledge Extraction and Representation, AI Software Development.

Services at the booth:

- Run on-site data analysis with you (programming included) for data exploration or modeling; then discuss the results and suggest further steps.
 - For this service, please bring clean, ready-to-use data.
 - Data may be temporarily loaded onto the consultant's laptop for analysis, if needed.
- Provide general solutions for data-driven projects.
- Discuss potential mentorship or collaborations.



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