

## ZHE ZHAO

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Department of Learning Health Sciences,  
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## EDUCATION

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University of Michigan Medical School; Ann Arbor, MI May 2022 – Present  
Major: Health Infrastructures and Learning Systems (PhD, expected)

University of Michigan; Ann Arbor, MI Aug 2019 – May 2021  
Major: Statistics (MS)

Boston University; Boston, MA Sep 2014 – May 2018  
Major: Statistics (BA), Economics (BA)  
Dean's List (Fall 2016 – Spring 2018)

## ACADEMIC POSITIONS

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**Graduate Student Research Assistant** Sep 2022 – present  
University of Michigan Medical school, Ann Arbor, MI  
Department of Learning Health Sciences

## PUBLICATIONS

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### Journal Article:

Tapper, Elliot B., Devin Aberasturi, Zhe Zhao, Chia-Yang Hsu, and Neehar D. Parikh. "Outcomes after Hepatic Encephalopathy in Population-Based Cohorts of Patients with Cirrhosis." *Alimentary Pharmacology & Therapeutics* 51, no. 12 (2020): 1397–1405.

Tapper, Elliot B., Utibe R. Essien, Zhe Zhao, Nneka N. Ufere, and Neehar D. Parikh. "Racial and Ethnic Disparities in Rifaximin Use and Subspecialty Referrals for Patients with Hepatic Encephalopathy in the United States." *Journal of Hepatology* 77, no. 2 (2022): 377–82.

Tapper, Elliot B., Najat Salim, Jad Baki, Zhe Zhao, Vinay Sundaram, Vilas Patwardhan, and Samantha J. Nikirk. "Pickle Juice Intervention for Cirrhotic Cramps Reduction: The PICCLES Randomized Controlled Trial." *The American Journal of Gastroenterology* 117, no. 6 (2022): 895–901.

Tapper, Elliot B., Zhe Zhao, Nik Mazumder, and Neehar D. Parikh. "Incidence of, Risk Factors for, and Outcomes after Ascites in a Population-Based Cohort of Older Americans." *Digestive Diseases and Sciences* 67, no. 11 (2022): 5327–35.

Tapper, Elliot B., Zhe Zhao, Darshini Shah, and Neehar D. Parikh. "A Two-Step Algorithm for the Noninvasive Identification of Candidates for Nonalcoholic Steatohepatitis Clinical Trials: The APRI-FAST." *Clinical Gastroenterology and Hepatology*, 2022.

Tapper, Elliot B., Zhe Zhao, G. Scott Winder, and Neehar D. Parikh. "Deprescribing Zolpidem Reduces Falls and Fractures in Patients with Cirrhosis." JHEP Reports 4, no. 6 (2022): 100478.

### Package:

Runjing Liu, Ismael Mendoza, **Zhe Zhao**, Jeffery Regier. Bayesian Light Source Separator (BLISS): <https://github.com/prob-ml/bliss>

## PROFFESIONAL EXPERIENCE

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**Statistician Intermediate at Michigan Medicine**, Ann Arbor, MI Jan 2020 – Present

**Biostatistician at Michigan Medicine**, Ann Arbor, MI Aug 2021 – Present  
Data Safety Monitoring Board (DSMB) certified biostatistician for a double-blinded randomized clinical trial.

**Teaching Assistant at China House**, Beijing, China Jan 2019 – June 2019  
Worked on teaching research and data analysis skills to volunteers for China-African relation projects.

**Data Analyst Internship at Ignite Health**, Boston, MA July 2018 – Dec 2018  
Worked on evaluating risk-adjustment strategies adopted by Centers for Medicare and Medicaid Services for enacting healthcare quality measurement and helped write reports on suggestions for improvement.

## SKILLS

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Proficient in R and Python. Intermediate proficiency in SAS.

## ACTIVITIES

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**Asian Studies Initiative at Boston University**, President. Fall 2016 – Fall 2017