Xiaoling Yun M.S. in Biostatistics

112 Paterson Street, New Brunswick, NJ, 08901 jacob.yun@rutgers.edu

SUMMARY

Research-focused data analyst and biostatistician supporting NIH-funded and state-sponsored health services research. Specializes in statistical analysis of large-scale Medicaid and administrative health data, development of reproducible statistical programming pipelines, and translation of analytic results into peer-reviewed publications and policy-facing deliverables.

SKILLS

Statistical Modeling and Interpretation
Data Management (Python/R/SAS/SQL)
Data Mining & Predictive Analytics
Data Visualization & Reporting (Power BI/SAS/R)
Large Dataset Analysis

PROFESSIONAL EXPERIENCE

Research Teaching Specialist II / Data Analyst 2024 - Present

Center for State Health Policy Rutgers University

- Conducted data analysis for New Jersey Medicaid cancer screening trends (2017–2022), including cohort construction, claims-based measure definitions, and data visualization; supported statistical modeling and addressed peer-review questions, contributing to publication in JCO Clinical Cancer Informatics.
- Performed data preparation, cohort definition, and validation for an NIH-funded R01 project linking HMIS and Medicaid data, supporting cross-state analytic comparisons between New Jersey and Pennsylvania.
- Developed and maintained reproducible SAS pipelines to support multi-year health services research projects, enabling consistent monthly updates, validation checks, and downstream analytic reporting informed by program documentation and relevant literature.
- Analyzed large-scale healthcare administrative data under IRB-approved protocols, ensuring compliance with HIPAA and human subjects privacy requirements throughout data preparation and analysis.
- Worked with faculty investigators and project staff to translate analytic results into internal reports, slide decks, and policy-facing deliverables for state agencies and funders.

Research Assistant 05/2022 – 05/2023

Ouyang Lab, University of Massachusetts Amherst

- Analyzed RNA-seq and Ribo-seq data using Pandas, Tidyverse, and RiboDiff to investigate KRAS-driven translation mechanisms. Created publication-quality visualizations with ggplot2, heatmaply, and matplotlib.

Teaching Assistant 05/2022 – 05/2023

University of Massachusetts Amherst

- Supported instruction for 150 students in “Introduction to Biostatistics”; delivered lab sessions focused on STATA and statistical reasoning. Assisted with grading, office hours, and tutoring students on applied statistical analysis.

EDUCATION

University of Massachusetts Amherst USA, 09/2021-05/2023
Master of Science in Biostatistics

Shenzhen University China, 09/2017-06/2021
Bachelor of Management in Accounting

PUBLICATION

- Joy Xie, Adriana Corredor-Waldron, **Xiaoling Yun**, Jose Nova, Anita Y. Kinney, Jennifer Tsui, Joel C. Cantor, Ann M. Nguyen (2025). Lung cancer screening among Medicaid older adults in New Jersey, 2017–2022. Preventive Medicine, Volume 213, 2026,https://doi.org/10.1016/j.ypmed.2026.108668.
- Nguyen, A. M., Corredor-Waldron, A., Liu, F.-Y., **Yun, X.**, Nova, J., Kinney, A. Y., Cantor, J. C., & Tsui, J. (2025). Breast, Cervical, and Colorectal Cancer Screening Among New Jersey Medicaid Enrollees: 2017-2022. JCO Clinical Cancer Informatics, 9. https://doi.org/10.1200/cci-25-00055
- Kamini Singh, Trang Uyen Nguyen, Eric Nels Pederson, Vinay Kumar, **Xiaoling Yun,** Zhengqing Ouyang; Abstract C082: Decoding the KRAS-dependent proteome through the ribosomal lens. Cancer Res 15 January 2024; 84 (2_Supplement): C082. https://doi.org/10.1158/1538-7445.PANCA2023-C082

ADDITIONAL INFORMATION

Language: Chinese-native and English-fluent

Sports: MVP, 2019 Shenzhen University Economics College Basketball Championship