YEN-CHUN LIU

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Department of Statistical Science, Duke University, Durham, NC 27708

EDUCATION

Ph.D. student in Statistics *Aug., 2022 - present*
Duke University Durham, USA

M.S. in Statistics *Sep., 2020 - July, 2022*
National Tsing Hua University (NTHU) Hsinchu, Taiwan

B.S. in Mathematics *Sep. 2015 - Jan. 2020*
National Taiwan University (NTU) Taipei, Taiwan

Exchange Program *Sep., 2019 - Jan., 2020*
Department of Mathematics and Statistics, Masaryk University Brno, Czech Republic

PUBLICATIONS

Methodology

- Cheng YJ, **Liu YC**, Tsai CY, Huang CY. Semiparametric estimation of the transformation model by leveraging external aggregate data in the presence of population heterogeneity. *Biometrics.* 2022

Medical Analysis

- Reyes K., **Liu YC**, Huang CY, Banerjee R., Martin T., Shah N., Wong S., Wolf J., Arora S., Chung A. Clinical Outcomes and Salvage Therapies in Patients with Relapsed/Refractory Multiple Myeloma Following Progression on BCMA-Targeted CAR-T Therapy. *Blood.* 2022

- Reyes K., **Liu YC**, Huang CY, Banerjee R., Martin T., Shah N., Wong S., Wolf J., Arora S., Chung A. Salvage therapies and clinical outcomes after relapse following BCMA CAR-T in patients with relapsed/refractory multiple myeloma. *Clinical Lymphoma Myeloma and Leukemia.* 2022

CONFERENCES

Medical Analysis

- (Plenary Session) Reyes K, **Liu YC**, Huang CY, Banerjee R, Martin T, Shah N, Wong S, Wolf J, Arora S, Chung A. Salvage therapies and clinical outcomes after anti-BCMA-CAR-T therapy relapse. 2022 IMS Annual Meeting, Los Angeles, CA.

- Reyes K, **Liu YC**, Huang CY, Banerjee R, Martin T, Shah N, Wong S, Wolf J, Arora S, Chung A. Clinical outcomes and potentially effective salvage therapies in patients with relapsed/refractory multiple myeloma following progression on BCMA-targeted CAR-T therapy. 2022 American Society of Hematology (ASH) Annual Meeting

RESEARCH EXPERIENCES

Student Research Assistant
Institute of Statistics, NTHU   Dec., 2020 - July, 2022

- Advisor: Yu-Jen Cheng; Co-Advisor: Chiung-Yu Huang (UC San Francisco)

- For the paper *Semiparametric estimation of the transformation model by leveraging external aggregate data in the presence of population heterogeneity.*

Summer Research Intern
Institute of Information Science, Academia Sinica   July 2018 - Aug. 2018

- Advisor: Da-Wei Wang

- Topic: Analyzing electronic health records through natural language processing methods

SKILLS & TOOLS

R, Python, Matlab (basic), C/C++ (basic), LATEX

TEACHING EXPERIENCES

Graduate Mentor

Undergrad Summer Research Workshop, Duke   *Summer 2023*

Teaching Assistant

STA 101 - Data Analysis and Statistical Inference, Duke   *Spring 2023*

STA 661 - Survival Analysis, NTHU   *Spring 2022*

MATH 120 - Calculus A (I), (II), NTU   *Fall 2018 - Spring 2019*

HONORS AND AWARDS

Dr. Chen Wen-Chen Statistical Scholarship   *2022*

Academic Excellence Scholarship, NTHU   *Fall 2020, Spring 2021*

New Graduate Merit Scholarship, NTHU   *2020*

Intergovernmental Exchange Programmes Scholarship (Full Ride)   *2019-2020*

Dr. Chen Wen-Chen Memorial Scholarship, NTU   *2018*

Second place in Freshman English Presentation Contest, NTU   *2016*

Gold medal in 29th Pittsburgh Invention and New Product Invention Exposition *2014*

EXTRACURRICULARS

Translation Volunteer, Amnesty International   *2017 - 2018*

Vice Officer of Gender Diversity Division, NTU Students Association   *2017 - 2018*

Team Leader of Women's Baseketbal Team, NTU Math   *2018 - 2019*