

Kuan-Hung (Peter) Yeh

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A **Biostatistician/Real-World Data Scientist** with a passion for supporting regulatory decision-making for drugs and biological products. 4+ years of hands-on research experience collaborating with experts in Biotech, National labs, Universities, and Hospitals. My mission is to revolutionize and advance public health through data-driven innovation.

Programming Languages & Toolkits: R (Markdown, Shiny), SQL, Python, SAS, Git/GitHub

Research Topics: Real-World Evidence (RWE), Causal Inference, Survival Analysis, Clinical Trials

Education

University of California, San Diego (UCSD)

San Diego, CA

- Ph.D in Biomedical Informatics (Overall GPA: **4.0/4.0**)

Sep. 2023 - Present

University of California, Los Angeles (UCLA)

Los Angeles, CA

- Master of Science in Biostatistics (Overall GPA: **3.93/4.0**)
- Selected Courses: Longitudinal Analysis, Causal Inference, Machine Learning

Jun. 2023

National Taiwan University (NTU)

Taipei, Taiwan

- Bachelor of Science in Public Health (Overall GPA: **3.75/4.0**)
- Selected Courses: Survival Analysis, Computational Biology, Epidemiology

Jun. 2020

Research Experience

Foundation Medicine, Inc. (Affiliate of Roche Group)

Boston, MA

Biostatistician Intern, Advisor: [Dr. Chang Xu](#)

Jun. 2022 – Sep. 2022

- Developed criteria for **diagnostic assay precision studies**, boosting statistical power 90% [\[Shiny App\]](#)
- Proposed Quality Assurance protocol based on new reagent design in **FoundationOne® Liquid CDx**
- Implemented and verified the performance metrics for new PicoGreen dsDNA Quantification reagent

Department of Biomedical Informatics, UCSD

La Jolla, CA

Graduate Researcher, Advisor: [Dr. Siddharth Singh](#) & [Dr. Ronghui Xu](#)

Sep. 2023 - Present

- Led multiple **comparative effectiveness research** on different treatment strategies in Gastroenterology utilizing advanced survival analysis and causal effect estimation methods
- Skilled in statistical methods for observational studies, including multiple imputation and marginal structural model.

Department of Medicine Statistics Core (DOMStat), UCLA

Los Angeles, CA

Graduate Consultant Intern, Advisor: [Prof. Chi-Hong Tseng](#)

Dec. 2022 – Jun. 2023

- Generated comprehensive statistical analyses and data visualizations for a **three-arm randomized controlled trial**
- Performed **mediation analysis** to demonstrate intrinsic motivation as the mechanism linking interventions to weight-loss behaviors [\[Report\]](#)

Biostatistics & Bioinformatics Core lab, NTU

Taipei, Taiwan

Undergraduate Researcher, Advisor: [Prof. Tzu-Pin Lu](#)

Jun. 2019 – Feb. 2020

- Constructed the **First Prognostic Model** for Asian Colon Cancer Patients [\[ASO '21\]](#)
- Reported the prognostic difference across different ancestry and customized a Cox model in Asian population
- Provided a robust overall **survival/risk prediction** to facilitate clinical shared decision-making [\[Web\]](#)
 - **Best Research Poster Award** in Research Symposium, NTUPH [\[Poster\]](#)

Publications & Presentations

1. Haynesworth A, **Yeh KH**, Lee HH, Kirkpatrick M, Boland BS, Syal G, Xu R, Singh S. Treatment sequencing: Long-term outcomes of an infliximab-first vs vedolizumab-first treatment strategy in biologic-naïve patients with ulcerative colitis. To be published in Aliment Pharmacol Ther.
2. Chan, H.C., Huang, C.C., Huang, C.C., Chattopadhyay, A., **Yeh, K.H.**, Lee, W.C., Chiang, C.J., Lee, H.Y., Cheng, S.H.C. and Lu, T.P., 2022. Predicting colon cancer-specific survival for the asian population using national cancer registry data from Taiwan. Annals of Surgical Oncology, 29(2), pp.853-863.
3. **Yeh, K.H.**, Lin, C.H., Hsiao, T.H. and Lu, T.P., 2020, December. Genome-wide association study (GWAS) on metabolic syndrome in subjects with abdominal obesity in a Taiwanese population. In *2020 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)* (pp. 1403-1407). IEEE.