

Farah Allouch

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Enthusiastic, tri-lingual Tulane epidemiology PhD student with strong programming and data analysis skills

EDUCATION

Tulane University

Doctor of Philosophy

Epidemiology – GPA 4.0

Expected: May 2025

University of California, Berkeley

Master of Public Health

Epidemiology and Biostatistics – GPA: 3.93

May 2020

American University of Beirut, Lebanon

Bachelor of Science, with distinction

Biology – GPA: 3.8

May 2018

RELEVANT

Tulane University

Aug 2021 – present

EXPERIENCE

Research Associate, Department of Epidemiology

- Led data quality assurance and data analytics for a large multi-center randomized controlled trial for hypertension control (IMPACTS) in low-income populations across Louisiana and Mississippi
- Authored data-centric reports for partners and internal research team to
- Conducted peer review and code-writing in Stata and R, literature reviews and contributed to academic manuscript writing

Harvard T.H. Chan School of Public Health |

Aug 2020 – July 2021

Abdul Latif Jameel Poverty Action Lab (J-PAL)

Research Associate, Department of Global Health and Population

- Led data analysis and management for a state-wide evaluation of nurse home-visiting services (Nurse-Family Partnership) for 6,000 first-time low-income mothers in South Carolina using 30 years of follow-up administrative data
- Developed novel cleaning and quality check protocols for large administrative datasets (e.g., Vital records, hospital discharge records, & Medicaid claims)
- Conducted peer review and code-writing in Stata and R, literature reviews and contributed to academic manuscript writing

University of California, Berkeley

Aug 2019 – Aug 2021

Research Associate, Department of Epidemiology and Biostatistics

- Led a novel research project studying the association of job loss with alcohol-related liver disease mortality in a large administrative database of 46,000 US autoworkers from 1940 to 2016
- Wrote R code for data visualization and survival analysis methods such as Cox proportional hazards regression models and parametric survival models

Modelling the COVID-19 outbreak in Lebanon

April 2020

- Independently designed a research project modeling the outbreak of COVID-19 in Lebanon to address the gap in research on the topic and quantify the benefits of social distancing
- Wrote [R code](#) modeling the spread of the disease before and after implementation of public health measures. Results published in [English](#) and [Arabic](#)

University of California, Berkeley

August 2018 – May 2020

Graduate Student Instructor

- Biology 1A instructor for 320 undergraduate students
- Outstanding GSI awardee: 9.4/10 average instructor evaluation over three semesters

- Led the transition to online teaching during the COVID-19 pandemic

University of California, Davis

June – December 2017

Research Assistant, Davis Arbovirus Research and Training Group

- Conducted data analysis and literature reviews for a project investigating the invasion dynamics of *Aedes* mosquitos in urban areas

American University of Beirut

August 2016 – December 2017

Research Assistant, Medical Center

- Contributed to a systematic literature review for a project exploring the bidirectional relationship between traumatic brain injury and methamphetamine use, leading to two academic publications

PUBLICATIONS & AWARDS

Publications

- McConnell, M., Rockicki, S., Ayers, S., **Allouch, F.**, Gourevitch, R., Martin, M., Zhou, A., Zera, C., Hacker, M., Chien, A., Bates, M., Baicker, K. (2022). Impact of Home Visiting on Birth Outcomes: A Randomized Controlled Trial of the Nurse-Family Partnership's State-Wide Expansion in South Carolina. *Journal of the American Medical Association* (in revise-and-resubmit stage)
- **Allouch, F.**, Chen, K. T., Lutzker, L., Costello, S., Picciotto, S., & Eisen, E. A. (2021). Racial disparities in alcohol-related liver disease mortality in a 75 year follow-up study of Michigan autoworkers. *SSM-Population Health*, 100886.
- Abouhala, S., Hamidaddin, A., Taye, M., Glass, D. J., Zaniel, N., Hammood, **Allouch, F.**, & Abuelezzam, N. N. (2021). A National Survey Assessing COVID-19 Vaccine Hesitancy Among Arab Americans. *Journal of Racial and Ethnic Health Disparities*, 1-9.
- El Hayek, S., **Allouch, F.**, Geagea, L., & Talih, F. (2019). Interleukin-2 and the Septohippocampal System: An Update on Intrinsic Actions and Autoimmune Processes Relevant to Neuropsychiatric Disorders. In *Psychiatric Disorders* (pp. 511-530). Humana, New York, NY.
- El Hayek, S., **Allouch, F.**, Razafsha, M., Talih, F., Gold, M. S., Wang, K. K., & Kobeissy, F. (2020). Traumatic brain injury and methamphetamine: A double-hit neurological insult. *Journal of the neurological sciences*, 411, 116711.

Awards

- Outstanding graduate student instructor (GSI) award March 2020
- Dean's Honor List August 2014 - May 2017
- Usama Al-Khalidi award for academia and volunteer work May 2017
- Lebanese representative to the Model United Nations in NY May 2013
- National Public Speaking award April 2012

PRESENTATIONS

- Guest Lecture: "Cohort studies" by K Dorans, presented by **Farah Allouch**, in Epidemiology for Public Health, Tulane University, Department of Epidemiology, Masters-level course, March 10, 2022

TRAININGS & SKILLS

Trainings

Abdul Latif Jameel Poverty Action Lab (J-PAL) Research Staff Training Oct – Dec 2020

- Trainings in advanced research programming, power analysis, administrative data, and stakeholder management

Skills

- Proficient with data visualization and analysis in R, Stata, and SPSS
- English (fluent), Arabic (fluent), and French (intermediate)