

JiaYing (Elise) Chen

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CAREER OBJECTIVE

Result oriented statistician seeking a position, where I can utilize my research interest and experience in mathematical modeling and simulation, modeling processes of epidemics/pandemics, and methods for analyzing chains of infection while contributing to the improvement of the project and advancing my own career.

EDUCATION

Medical University of Vienna
PhD candidate

06/2019 - present

BOSTON UNIVERSITY
Master of Arts, Statistics

09/2013 - 05/2015

UNIVERSITY OF MASSACHUSETTS LOWELL
Bachelor of Science, **Mathematics**, Magna Cum Laude
Study Abroad, Goethe University, Frankfurt, Germany Summer 2011

09/2008 - 12/2011

PROFESSIONAL EXPERIENCE

Statistical Programmer- cardiovascular and nutrition studies 11/2015- 06/2019
BRIGHAM AND WOMEN'S HOSPITAL | Harvard Medical School

- Create and manage large databases from various epidemiologic cohorts to complete statistical analyses with SAS 9.4.
- Manage new databases and prepare project-specific data sets for further research need: descriptive statistical analyses, regression analyses and survival analyses.
- Assist PI on statistical journal section and present data result on weekly research seminar.
- Collaborate with post-doctorate fellows by providing technical and statistical support for research.

Adjunct Faculty 09/2016 - 12/2017
Wentworth Institute of Technology

- Designed and engaged interactive math lessons in Engineering Calculus, Statistics and Applications to meet academic and intellectual needs of students.
- Implemented assessment tools to ensure student success and enhance teaching strategies.
- Improved students' analytic skills by assigning individual projects and designing challenging tests.
- Adapted different methods based on differentiated students' need and analyzed students' performance for better teaching strategies.
- Collaborated with colleagues by participating in team meetings, sharing ideas, contributing to team goals, and documenting progress toward reaching those goals.

Research Associate 07/2015 - 11/2015
L2 Inc.

- Collected data on consumers, competitors and market place and consolidate information into measurable reports and presentations.
- Provided analytic, integrated marketing insights to improve client decision-making.
- Identified new market research opportunities and methods to gauge industry trends and customer feedback and behaviors for each of the industry verticals we serve.
- Performed analysis on various dimensions to identify performance trends and areas for improvement across multiple digital platform variables.

Research Assistant 08/2014 - 08/2015
Massachusetts Institute of Technology

- Supported FDA concerns about a set of products and helped to understand the social causes.

- Developed a range of integrated databases, analytical tools and capabilities from a wide array of online sources and electronic databases.
- Identified technical and socio-economic characteristics and conditions that create adulteration.
- Performed content and basic data analysis with Excel for summary report.
- Presented findings and discovered new direction for further investigation in weekly meetings

PUBLICATIONS

Imran TF, Orkaby A, **Chen J**, Selvaraj S, Driver JA, Gaziano JM, Djoussé L. Walking pace is inversely associated with risk of death and cardiovascular disease: The Physicians' Health Study. *Atherosclerosis*. 2019 [Epub ahead of print]

Bodar V, **Chen J**, Gaziano JM, Albert C, Djoussé L. Coffee Consumption and Risk of Atrial Fibrillation in the Physicians' Health Study. *J Am Heart Assoc*. 2019

Khawaja O, Sesso HD, **Chen J**, Yamasaki H, Hassan SA, Gaziano JM, Djoussé L. Consumption of fried foods and risk of atrial fibrillation in the Physicians' Health Study. *Eur J Nutr*. 2019 [Epub ahead of print]

Selvaraj S, Shah SJ, Ommerborn MJ, Clark CR, Hall ME, Mentz RJ, Qazi S, Robbins JM, Skelton TN, **Chen J**, Gaziano JM, Djoussé L. Pulmonary Hypertension is Associated with a Higher Risk of Heart Failure Hospitalization and Mortality in Patients with Chronic Kidney Disease: The Jackson Heart Study. *Circulation Heart Fail*. 2017.

Selvaraj S, Bhatt DL, Claggett B, Djoussé L, Shah SJ, **Chen J**, Imran TF, Qazi S, Sesso HD, Gaziano JM, Schrag D. Association between Heart Failure and Cancer Incidence among Participants in the Physician's Health Study. *JACC*. (in press)

Hshieh TT, Jung WF, Grande LJ, **Chen J**, Stone RM, Soiffer RJ, Driver JA, Abel GA. Prevalence of Cognitive Impairment and Association with Survival among Older Patients with Hematologic Cancers. *JAMA Oncol*. 2018

ABSTRACT ACCEPTED FOR CONFERENCES

Frisby K, **Chen J**, Sesso HD, Wang L, Gaziano JM, Djoussé L. Health Dietary Patterns and Risk of Abdominal Aortic Aneurysm in the Physicians' Health Study.

Qazi S, Zhang L, **Chen J**, Selvaraj S, Chuang ML, O'Donnell CJ, Gaziano JM, Djoussé L. High Waist Circumference is Associated with Mortality in Men with Prevalent Heart Failure: The Physicians' Health Study.

Singh R, **Chen J**, Wang L, Sesso HD, Gaziano JM, Djoussé L. Light-to-Moderate Alcohol Consumption is Associated with Lower Risk of Abdominal Aortic Aneurysm in the Physicians' Health Study.

Bodar V, **Chen J**, Sesso HD, Gaziano JM, Djoussé L. Coffee Consumption and Risk of Heart Failure in the Physicians' Health Study.

Al-Ramady O, **Chen J**, Gaziano JM, Djoussé L. Walking Pace is Inversely Associated With Heart Failure Risk in the Physicians' Health Study.

Nujaidi A, **Chen J**, Gaziano JM, Djoussé L. Healthy Lifestyle Factors Are Associated With a Lower Risk of Cardiovascular and Cancer Mortality in Older Men.

SUPPORT/COLLABORATE PROJECTS

Contributed to research on association between life style and frailty among older male patients.

Photographed on a book chapter: Tasnim F. Imran and Jacob Joseph..Herbal Therapies and Micronutrient Supplements in Cardiovascular Disease .129-187

TECHNICAL SKILLS

Platform: Mac OS 9/10, Window 7/Vista/ XP, 8 & 10

Research Tools: SAS, R, Linux, SQL