

# Vasileios (Bill) Katsianos

✉ [kbill@uchicago.edu](mailto:kbill@uchicago.edu) | 🏠 [kbill1.github.io](https://kbill1.github.io) | 🔗 [linkedin.com/in/kbill1](https://linkedin.com/in/kbill1)

## Education

---

### University of Chicago

PhD in Statistics

October 2019 - June 2024

- Current GPA: 3.83/4.00
- Advisor: Mary Sara McPeck

### National & Kapodistrian University of Athens

MSc in Statistics & Operations Research

October 2016 - September 2018

- GPA: 9.56/10
- Advisor: Loukia Meligkotsidou
- Thesis: Likelihood-Based Inference and Model Selection for Discrete-Time Finite State-Space Hidden Markov Models

### National & Kapodistrian University of Athens

BSc in Applied Mathematics

October 2012 - June 2016

- GPA: 9.07/10
- Official Forum Administrator
- Specialization in Statistics & Operations Research

## Experience

---

### University of Chicago

Student Consultant

October 2019 - Present

- Clients include young researchers from a wide variety of disciplines such as biology, genetics, neuroscience, ecology, economics, psychology, sociology, education and linguistics.

### University of Chicago

Teaching Assistant

October 2019 - Present

- Courses: Applied Regression Analysis (3 quarters), Analysis of Categorical Data (3 quarters), Nonparametric Inference (1 quarter) and Sample Surveys (1 quarter).

### National & Kapodistrian University of Athens

Laboratory Instructor

October 2016 - December 2020

- Courses: Computer Science with Matlab, Python & Java (5 semesters), Linear Models with R & SPSS (3 semesters), Bayesian Statistics with R (1 semester), Multivariate Data Analysis with Matlab & SPSS (1 semester) and Nonparametric Statistics with R (1 semester).

## Projects

---

### Joint Association Analysis of Hepatitis C Pretreatment Viral Load Using Both Human and Viral Genomes

University of Chicago

October 2021 - Present

## Teaching Materials

---

The latest versions are available on my website.

- Mathematical Statistics
- Linear Models (in Greek - Pending Translation)
- Simulation
- Introductory Applied Statistics Tutorial (in Progress)
- Advanced Applied Statistics Tutorial (in Progress)
- Bayesian Statistics Tutorial
- Hidden Markov Models Tutorial
- Linear Algebra for Statistics (in Progress)

## Talks

---

**Graduate Student Seminar**, Department of Statistics & Operations Research, UNC Chapel Hill

April 2023

**Monte Carlo Statistical Methods Seminar**, Department of Mathematics, National & Kapodistrian University of Athens

May 2021

## Awards & Scholarships

---

**Consulting Award**, Statistics Consulting Program, University of Chicago

2021-2022

**Graduate Excellence Scholarship**, MSc in Statistics & Operations Research, National & Kapodistrian University of Athens

2016-2017

## Skills

---

**Programming** R, Matlab, Python, Java, C & C++, HTML & CSS.

**Miscellaneous** Latex (Overleaf & R Markdown), R Shiny, IBM SPSS, Microsoft Office, Linux, Git.

**Analytical Skills** Data Analysis & Visualization, Coding Help & Debugging, Consulting, Problem-Solving.

**Communication Skills** Teaching & Tutoring, Writing Statistical & Coding Tutorials, Public Speaking & Presenting, Team Leading.

## Languages

---

**English** Full professional proficiency

**Greek** Native proficiency

**French** Limited working proficiency