**Lee Sak Park**

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*1051 Red Mile Rd, APT 1101, Lexington, KY 40504*

**Education**

**University of Kentucky**

**Department of Statistics**

MS/PhD in Statistics Graduate: May 2021 / May 2024

GPA: 4.0 / 4.0

**Indiana University Bloomington**

Masters of Public Affairs Graduate: May 2019

Bachelor of Science in Public Affairs with Distinction May 2012

**Work Experience**

**University of Kentucky** Aug 2021 – Present

**Graduate Research Assistant**

*Client : Markey Cancer Center Community Impact Office*

• Develop automated data collection process

• Find Social Determinant of Health to explain various social and environmental factors that have greater impacts on chances for cancers

• Develop Tableau dashboard that visualize and summarize data for policy makers and policy representatives

• Link the Tableau dashboard to the server equipped with the automated data collection tool so that it shows the most up-to-date information

**University of Kentucky** Aug 2019 – Aug 2021

**Graduate Teaching Assistant**

*Course: Statistical Methods*

• Organized and managed a undergraduate course in statistics

• Communicated and advised students

• Develop lectures on the R programming skills in Statistics

**Indian University School of Public and Environmental Affairs**  Aug 2017 – May 2019

**Graduate Teaching Assistant**

*Course: Statistics, Financial Management, Financing Public Affairs*

**Republic of Korea Army** 2013 - 2016

**S-1 (Staff Officer for Human Resource & Manpower)** 2014 - 2016

• Supervised battalion’s human resource and personnel administration system in a battalion unit

• Monitored manpower related risks and planned preventive measures

• Improved the medical care for soldiers closely collaborating with nearby regiments with subordinate active medical units

• Achieved the top performance grades among the battalion level HR departments within the division

**Staff Officer for Training** 2013

• Evaluated existing training and exercise programs

• Introduced physical training programs with data analysis

**Publication**

Luke Johnson, Eduardo Marin, Axel McCallum, Lance Merrell, Lee Park, Yen Pham, Angela Williams **Monroe County Public Safety Local Income Tax Allocation Analysis, May 2019** <https://bloomington.in.gov/boards/public-safety-local-income-tax>

**Proficiency in Computer Languages / Projects**

**Languages:** Python, SAS, R, LaTex, Excel, SQL, Access

**Skills:** Data Mining (Machine Learning), Statistical Analysis, Statistical Modeling, Survival Analysis, Stochastic Modeling, Parametric and Nonparametric Regression Analysis, Generalized Linear Modeling

**Projects completed:**

• Statistics calculator GUI for the undergraduate course

**Projects in hand:**

• Analysis of SP500 index by minutes

• Detecting outliers in Multivariate Data

• Predicting default of credit card clients

**Certificates and Awards**

**Fellowships**

• Dr. Bing Zhang Fellowship Aug 2019 - Present

**SAS Certified Specialist**

• Base Programming using SAS 9.4 Jun/25/2020

• Advanced Programming using SAS 9.4 Feb/2/2021

**SOA Exam**

• Exam P Passed on Oct/12/2020

• Exam FM Passed on Feb/13/2021

**The Global Health Case Competition:**

3rd place Feb/15/2020

**The University of Kentucky Data Science Competition:**

3rd place Mar/27/2021