Kedir Turi

kidturi@gmail.com | 217-721-3123 | www.linkedin.com/in/knturi | https://github.com/knturi | https://kedir-turi.shinyapps.io/

About Me:

Chronic disease epidemiologist with educational background in Applied Economics and Epidemiology. I Work with large and complex pharmacological as well as molecular data. I have strong methods and quantitative skills and an understanding of broad scientific topics. Successful in research project management, grant and manuscript writing. I enjoy problem-solving, gathering, organizing, analyzing information, working in groups, and contributing to project strategies. I am a team player who is open-minded and eager to learn.

Data Science Skills:

- **Programming**: Python | R | SQL | STATA
- **Domain Expertise**: Healthcare | Economics
- **Quantitative Method**s: Econometrics | Biostatistics | Spatial Statistics | Machine Learning methods

Education:

- Certificate in Data Science, Nashville Software School, Nashville, Tennessee, anticipated by June, 2021
- Ph.D. in Epidemiology/Community Health | M.S. in Applied Economics, University of Illinois at Urbana Champaign, Illinois

Data Science Apprentice

Nashville Software School, Nashville, Tennessee, Sept 2020 – Jun 2021

Currently enrolled in a 9-month apprentice to improve my proficiency in Python, R and SQL programming and develop expertise in advanced data science methods and best practices

- Python – Data wrangling, data analysis, web scraping, and data visualization. Explored UN database, Halloween candy data, Tennessee earthquakes data, house price data, and Nashville metro area COVID-19 cases and restriction violation report data. Python packages such as pandas, NumPy, matplotlib.pyplot, seaborn, and folium map were used to analyze and visualize the datasets
- R – Tennessee Education database exploration and visualization with tidyverse, ggplot, and Rshiny. RShiny dashboard team project for People3 (a consulting company on workforce diversity) using census data and RShiny dashboard individual mid-project on US pollen species and count for US cities using publicly available data
- SQL – Performed data wrangling and exploratory analysis of the Lahman baseball database (an open-source collection of baseball statistics), longitudinal names data, and Medicare part-D prescription and referral network databases. In addition to PgAdmin, SQL integration of python (sqlalchemy) and R (RPostgres) were also used to quire, joining tables, common table expressions, window functions and analyze and visualize the data sets

Research Assistant Professor and Postdoctoral Fellow

Vanderbilt University Medical Center (VUMC), Nashville, Tennessee, August 2015 – Present

VUMC is a medical research and teaching institution. I am fully time Research Professor at VUMC primarily engage in medical research specifically population health research

- Investigated the disease risk factors, progression, and potential prevention methods for chronic respiratory and infectious diseases Used multivariate statistics, linear and nonlinear multivariate regressions, and network analysis and other novel and existing statistical and mathematical models to model experimental data, patient electronic health record data, cohort studies, and publicly available data
- Wrote research grants to obtain external funding (>$1 million). Awarded with four training and research grants all from National Institute of Health. Wrote manuscripts for peer-reviewed high impact journals and Presenting at national and international scientific conferences. https://scholar.google.com/citations?user=y51bEgkAAAAJ&hl=en
- Twenty-five manuscripts and 15 abstracts have published and presented findings at international research conferences every year
- Supervised lab and data management staff personnel and monitoring data management and project timeline completion. Communicated and coordinated research activities with project collaborators within the University and outside

Graduate Research and Teaching Assistant

The University of Illinois at Urbana-Champaign, Champaign, Illinois, Aug 2010 – May 2015

As a graduate student I was engaged both in teaching and research activities of the university about 50-65% of the time. I taught courses in Health Sciences, Finance, and Economics departments. I also held national and university research fellowship awards

- Analyzed socio-ecological and individual health behaviors as risk factors for obesity, diabetes, sleep disorder and related chronic diseases and mortality. Used econometrics, biostatistics, and data mining methods to clean and analyze large domestic and international large datasets. The results have been presented at various professional society conferences including the American Society of Health Economists, the Society for Epidemiologic Research, and the Associated Sleep Society and published as peer-reviewed journal articles and abstract
- Forecasted 30-year demand for protein food commodities in developed and economically emerging countries. Used time series econometric approach to analyze food commodities in the Food and Agriculture Organization FAO database. Results were presented in workshops and incorporated into data visualization software (formerly Global Food in 3D, now called Nautilytics, LLC)