

PHI NGUYEN

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EDUCATION

Humboldt Universität zu Berlin

October 2016 – July 2019 | Berlin, Germany

M.S. Statistics

UC Berkeley

August 2009 – May 2013 | Berkeley, CA

B.A. Operations Research and Management Science

3.86 GPA [Honors with Distinction]

PROFESSIONAL EXPERIENCE

Mercator Research Institute on Global Commons and Climate Change

Researcher | November 2018 – November 2019 | Berlin, Germany

- Estimated the welfare loss of traffic congestion using a supply and demand econometric framework on a data set containing over 32 million unique trips.
- Solved challenges arising from simultaneity bias by using both an instrumental variable approach as well as generating counterfactual observations.
- Proposed a time-dependent congestion charge that would yield 0.2 – 0.5% in welfare gains (approximately 1.2 – 3 billion EUR).

Priori Data

Data Scientist | November 2017 – October 2018 | Berlin, Germany

- Developed and maintained machine learning models (generalized linear models with regularization) to estimate app revenue, app stickiness, and daily active users between apps across different app stores.
- Made model changes that drove up to 17% improvements in MAPE (mean absolute percentage error) for certain geographies.
- Used `dcopt` package in R, Python, and Airflow to schedule pre-processing, model fitting, and loading of model estimates into Google BigQuery.

Intuit

Senior Data Analyst | August 2013 – February 2016 | Mountain View, CA

- Using Adobe SiteCatalyst, SQL, and Tableau, managed web analytics for Quickbooks.com, including page flow analysis and funnel analysis.
 - Using SiteSpect, SQL, and R, drove 20+ AB tests ranging from page optimization, pricing changes, and lineup presentation to improve customer acquisition.
 - Collaborated cross-functionally to communicate key findings and insights to stakeholders to drive business value.
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SKILLS & INTERESTS

Technical Skills

DATA SCIENCE & STATISTICS: R, SQL, Python

VISUALIZATION: ggplot2, Tableau, R Shiny [intermediate], D3.js [basic], QGIS [basic]

OTHER: Git, Markdown, command line [intermediate], LaTeX [intermediate]

Languages

English [native], German [C2], Vietnamese [intermediate]

Interests

Rock climbing, visual storytelling & data viz, sports analytics, urbanism
