

PHI NGUYEN

DATA SCIENTIST

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EXPERIENCE

Researcher

Mercator Research Institute | Berlin, Germany | Nov 2018 – Nov 2019

- Estimated the welfare loss of traffic congestion in Berlin using econometric methods and causal inference models (supply and demand) on a data set containing over 32 million unique trips.
- Used qGIS to analyze geospatial data, DBSCAN to generate trip clusters, and R to build models.
- Proposed a time-dependent congestion charge that would yield 0.2 – 0.5% in welfare gains (approximately 1.2 – 3 billion EUR).

Data Scientist, Working Student

Priori Data | Berlin, Germany | Nov 2017 – Oct 2018

- Maintained end-to-end development of machine learning models to estimate app revenue, app stickiness, and daily active users between apps across different app stores.
- Developed model changes that drove up to 17% improvements in MAPE for certain geographies.
- Used R, Python, and Airflow to automate loading of estimates into Google BigQuery.

Senior Data Analyst

Intuit | Mountain View, CA | Aug 2013 – Feb 2016

- 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 and vertically to communicate key findings and insights to primary stakeholders.

EDUCATION

Humboldt Universität zu Berlin

Berlin, Germany | Oct 2016 – Nov 2019

M.S. Statistics | 1.7 [equivalent to 3.6 GPA]

UC Berkeley

Berkeley, CA | Aug 2009 – May 2013

B.A. Operations Research and Management Science | 3.86 GPA [Honors with Distinction]

SKILLS

Data Science & Statistics: R, Python, SQL

Visualization: ggplot2, Tableau, R Shiny, qGIS

Other: Git, Markdown, command line, LaTeX, Excel