

IDA JOHNSON

“full-stack economist” who converts science into production-ready data pipelines

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EXPERIENCE

Chewy Remote

Associate Director, Economist September 2022 - present

- Develop and productionize long-range forecasting models to improve strategic planning
- Apply causal inference to optimize supply chain operations

National Association for Business Economics Remote

Roundtable Chair November 2020 - present

- Organize conferences and webinars

University of Southern California Remote

Adjunct Professor, Econometrics January 2021 - present

- Teach undergraduate and graduate data science

Zillow Remote

Senior Economist, Manager July 2022 - September 2022

- Direct Zillow's forecasting and risk modeling team

Senior Economist, Risk Modeling March 2021 - June 2022

- Develop spatio-temporal models of house prices

Metrosight Los Angeles, CA

Consulting Economist January 2021 - March 2021

- Conduct research on land use restrictions and housing supply

Universal Standard Housing Los Angeles, CA

Chief Technology Officer July 2020 - January 2021

- Lead the business unit responsible for finding and assessing real estate development opportunities at scale

Director of Analytics and Economics March 2020 - June 2020

- Model residential real estate rental prices

Clutter Los Angeles, CA

Chief Economist September 2019 - March 2020

- Lead data analysis on the growth side (including pricing and marketing)

Senior Data Scientist March 2019 - August 2019

- Model Return on Ad Spend and develop growth projections

psyML Los Angeles, CA

Research Data Scientist July 2018 - March 2019

- Build data pipelines for sentiment analysis on social network data

MD Insider Santa Monica, CA

Data Scientist May 2017 - July 2018

- Perform topic modeling on medical data, engineer scalable data solutions, and deploy production-ready machine learning models to enhance healthcare analytics

PROGRAMMING

Airflow Adobe Creative Suite AWS bash
Docker Git Google Cloud Matlab PySpark
R SQL Stata WordPress

LANGUAGES

Native/Fluent: English, German, Polish, Spanish, Swedish

Elementary: Russian, Portuguese

EDUCATION

University of Southern California Los Angeles, CA

Ph.D. in Economics 2018
Econometrics

M.Sc. in Quantitative Economics 2013

Research Fellow 2014–2016
USC Dornsife Institute for New Economic Thinking

University of Gothenburg Gothenburg, Sweden

B.Sc. in Economics (Honors) 2011

Linköping University Linköping, Sweden

B.Sc. in Mathematics (Honors) 2011

PUBLICATIONS

- I. Johnson, M. H. Pesaran, and C. F. Yang, “Structural econometric estimation of the basic reproduction number for covid-19 across us states and selected countries,” 2023. arXiv: 2309.08619 [econ.EM].
- I. Johnson and H. R. Moon, “Estimation of peer effects in endogenous social networks: Control function approach,” *Review of Economics and Statistics*, vol. 103, no. 2, pp. 328–345, 2021.
- I. Romem, D. Garcia, and I. Johnson, “Strip malls to homes: An analysis of commercial to residential conversions in california,” *Terner Center for Housing Innovation at UC Berkeley*, Nov. 2021.
- M. H. Pesaran and I. Johnson, “Double-question survey measures for the analysis of financial bubbles and crashes,” *Journal of Business & Economic Statistics*, vol. 38, no. 2, pp. 428–442, 2020.

VOLUNTEERING

Foster Nation Remote

Foster Youth Mentor March 2024 - present