

DMITRY SHKOLNIK

I am an economist and data scientist, specializing in marketplaces, experimentation, causal inference, and spatial analysis

View this CV online with links at dshkol.com/cv/



EXPERIENCE

current
|
2020

Lead Economist/Data Scientist, Marketplace, Mobility, and Deliveries

Grab

📍 Singapore

- I lead a small team that develops quantitative solutions for business and strategy problems, as well as product ideas.
- Areas: transportation, food, merchant and deliveries marketplace strategy and new products; pricing, incentives, behaviour; and, pre product development hypotheses, estimation, scoping, and experimentation
- Methods: causal inference, econometrics and machine learning, experiment design and quasi-experimentation
- Tech: R, SQL, Presto, Hive, Spark

2020
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2019

Senior Economist/Data Scientist, Marketplace

Grab

📍 Singapore

2018
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2015

Data Scientist

Destination Canada

📍 Vancouver, CA

- Research lead on modernizing national tourist segmentation system
- Research lead for initiatives using non-traditional data (mobile phone, social media, financial) for tourism research
- Developed data visualization and exploration dashboards and pipelines
- Tech: R, Tableau

2015
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2013

Consulting Economist

Columbia Pacific Consulting

📍 Vancouver, CA

- Analysis and modelling of labour market and demographic data.
- Economic consulting services for use in legal proceedings and settlements



EDUCATION

2013
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2012

M.A.. Economics

University of British Columbia

📍 Vancouver, CA

- Thesis area: investigating spatial agglomeration spillovers using online data

2011
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2006

B.A., Hons Economics, International Relations

University of British Columbia

📍 Vancouver, CA

CONTACT

✉ shkolnikd@gmail.com

🐦 [dshkol](https://twitter.com/dshkol)

🐙 github.com/dshkol

🌐 dshkol.com

in [dmitryshkolnik](https://www.linkedin.com/in/dmitryshkolnik)

LANGUAGE SKILLS

R

SQL

Python

Spatial

Viz



SELECTED OPEN-SOURCE WORK AND POSTS

Cancensus²

R Package

- Access, retrieve, and work with Canadian Census data and geography.
- Co-creator, Maintainer
- Available on CRAN > 1000 dl/month

Cansim³

R Package

- An R package to retrieve and work with public Statistics Canada data tables.
- Co-creator
- Available on CRAN > 1500 dl/month

Airportr⁴

R Package

- A package to work with open source airport data with tools to look up information, translate names and codes into other formats, as well as some basic calculation functions for measuring distances.
- Creator
- Available on CRAN > 750 dl/month

Diversity and segregation in Canadian cities⁵

Writing/Post

- Applying information theory measures to quantify ethnic diversity and segregation patterns in Canadian cities using Census data

Mirror images: city similarity with t-SNE⁶

Writing/Post

- Identifying similarity of Canadian cities using high dimensional clustering and t-SNE visualizations

I regularly blog about data science, package development, and visualization on my personal site at dshkol.com¹