

# 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/](https://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  
|  
2019

### Senior Economist/Data Scientist, Marketplace

Grab

📍 Singapore

2018  
|  
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  
|  
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  
|  
2012

### M.A.. Economics

University of British Columbia

📍 Vancouver, CA

- Thesis area: investigating spatial agglomeration spillovers using online data

2011  
|  
2006

### B.A., Hons Economics, International Relations

University of British Columbia

📍 Vancouver, CA

## CONTACT

✉ [shkolnikd@gmail.com](mailto:shkolnikd@gmail.com)

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

🔗 [github.com/dshkol](https://github.com/dshkol)

🌐 [dshkol.com](https://dshkol.com)

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

## LANGUAGE SKILLS

R

SQL

Python

Spatial

Viz



## SELECTED OPEN-SOURCE WORK AND POSTS

### **Cancensus<sup>2</sup>**

R Package

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

### **Cansim<sup>3</sup>**

R Package

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

### **Airportr<sup>4</sup>**

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 cities<sup>5</sup>**

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-SNE<sup>6</sup>**

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.com](https://dshkol.com)<sup>1</sup>