

# Dmitry Shkolnik

**E:** shkolnikd@gmail.com

**P:** 778-998-1704

**T:** <https://twitter.com/dshkol>

**B:** <https://www.dshkol.com>

**L:** <https://www.linkedin.com/in/dmitryshkolnik>

## Work Experience

- **Destination Canada** (Vancouver, BC)

*Data Scientist*, January 2015 -

I lead efforts at Destination Canada to use new data sources to understand location and behaviour choices of international visitors to Canada. Currently, I work in partnership with Statistics Canada on developing a national tourism spending model using financial transaction data. I am also the project lead for efforts to use mobile phone signal data to understand tourism spatial patterns. Previously, I was the research lead for updating the Explorer Quotient program which is Canada's national tourism segmentation system that is used throughout the industry. In this capacity, I worked on modernizing the segmentation methodology and on developing a strategic roadmap for future evolution of this segmentation system. In addition to major projects, my responsibilities also included building forecast and leading indicator models, statistical analyses, data visualization, dashboards, and modernizing the research team's data management and data science practices.

- **Columbia Pacific Consulting** (Vancouver, BC)

*Consulting Economist*, 2013 - 2015

I provided economic consulting services for clients in the legal community. This involved preparing expert reports for use in legal proceedings and settlements, reviewing and critiquing existing reports, and generating models, analysis, and interpretation of statistical labour market and demographic data.

- **University of British Columbia** (Vancouver, BC)

*Graduate Teaching Assistant*, 2012-2013

## Education

- **University of British Columbia** (Vancouver, BC)

– *M.A. Economics*, May 2013

– *B.A. Honours Economics and International Relations*, May 2011

## Skills

- Software and languages:
  - Advanced: R
  - Familiar: Shiny, SQL, Tableau, Leaflet, Carto, QGIS, Stata, SPSS
- Methodology:
  - Econometrics, likelihood estimation, forecasting, segmentation, classification, spatial modelling, network analysis
  - Data visualization

## Selected Open Source Work

- **cancensus** (co-author, maintainer): a package for tidy access and manipulation of Canadian Census data and geographical data.
- **cansim** (co-author): a package for accessing and working with Statistics Canada's data repositories.
- **airportr** (author): a data package with information about global airports and utilities for common airport-data related tasks.

## Selected Presentations

- **“Estimating Visitor Volume”**, Travel and Tourism Research Association International, Quebec City, QB, June 2017
  - Featured panel. Using of mobile phone location data to understand visitor flows in sub-national jurisdictions.
- **“Spatio-temporal Data in Tourism Research”**, Travel and Tourism Research Association Canada, Edmonton, AB, September 2016
  - Detecting tourists and generating itineraries from social media photographic data.
- **“Agglomeration and Quality”**, Urban Economics Association, Washington, D.C., November 2014
  - Working paper. Using review and location data from Yelp to model spatial competition effects.

## Public Service

- Board member, OpenDataBC
- MaptimeYVR
- Data For Good - Vancouver