Dmitry Shkolnik

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Work Experience

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

  Data Scientist, January 2015 -

  I lead efforts at Destination Canada to use new data sources to understand movement and behaviour of international visitors to Canada. Currently, I am the team lead for a pilot project involving detailed mobile phone signal data, as well as the lead for developing a national strategy for mobile phone data in tourism. I am also Destination Canada's primary researcher in its partnership with Statistics Canada to use and model financial transaction data for tourism. 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 models, statistical analyses, data visualization, building Tableau and R dashboards, and modernizing the research team's data management 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

  I conducted tutorial lectures, workshops, and discussion groups for three semesters. I assisted two semesters of introductory economics courses and one semester of an intermediate international economics course.

- **Quickmobile** (Vancouver, BC)

  Content/Analytics Specialist, 2012

  My role involved supporting clients in learning and using content management systems and providing analytics on the performance of their content, as well as other responsibilities during this startups early growth stage.

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, ggplot

  - Familiar: Shiny, Markdown, htmlwidgets, SQL, Tableau, Leaflet, Carto, QGIS, Stata, SPSS

  - Interested: Spark, Python
- Methodology:
  - Econometrics, likelihood estimation, forecasting, segmentation, classification, spatial modelling, network analysis, research design
  - Data visualization, presentation, and report writing

Selected Open Source Work

- **cancensus**: a package for tidy access and manipulation of Canadian Census data and geography. Co-author and package maintainer.

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