Ian R. McDonald, Ph.D.

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Skills

- Research design applying contemporary data science principles and survey methodology
- R, Python, and Stata programming languages and statistics-based concepts
- GIS and geocoding applications, including ESRI and sf and spdata R libraries
- Data visualization, including R toolset that includes the ggplot and tidyverse libraries
- Data management and database design
- Application of important data science tools, including Python and SQL
- Grant writing and finance management

Key Research

Authored original research and dissertation *Migration, Polarization, and Sorting in the American Electorate*. Designed and conducted original research on American Congress and state legislatures, focusing on districting and cumulative effects of domestic migration.

Research Methods Instruction

Taught research methods classes to graduate and undergraduate students at Portland State University and Lewis & Clark College. The syllabus for the Spring 2019 Research Methods in Political Science at Lewis & Clark can be found at http://bit.ly/2LotMQc.

Work Experience

Research Coordinator
UBC Migration Research Excellence Cluster
University of British Columbia
Vancouver, BC Canada (2019-2020)

- Co-developed grant proposals for $200,000 annual university and government grant awards.
- Organized presentations and media events for expert speakers on migration topics.
- Developed finance and communication tools used to manage and publicize work of the cluster

Director Washington DC Off Campus Study Program
Lewis & Clark College, Portland Oregon USA (2016-19)

- Organized and led the college's Semester in Washington DC program Fall Semester 2016 and Fall Semester 2018.
- Sourced the professors for the program's American art history classes and political theory classes.
- Organized speakers and presentations from universities and research institutions in Washington D.C., including the Brookings Institute, Georgetown University, George Washington University, and Politico.com.
- Organized meetings with U.S. senators and representatives.
- Organized events and meetings with Lewis & Clark alumni in Washington.
- Sourced and supervised student internships and evaluated student internship work and development.

Adjunct Professor
Departments of Political Science
Lewis & Clark College, Portland State University, and University of Portland
Portland, OR. USA (2009-19)

- Designed and taught university courses in political science at the undergraduate and graduate level.
- Wrote syllabi and course content, delivered lectures, and evaluated student performance. Organized delivery of online learning resources using Blackboard and Moodle software.
- Designed general education courses for first year students.

Classes taught include:

- Public Opinion and Survey Methodology
- Research Methods in Political Science
- United States Politics
- Comparative Politics
- United States Congress
- The American Presidency
- Political Parties
- Political Communication and Media
- Political Economics
- National Public Policy in the United States
- Interest Groups
- Politics of the 1960's

Price and Revenue Analyst
Iberdrola Renewables S.A.
Portland, OR USA (2011-12)

- Designed revenue models for Iberdrola's wind energy assets
- Adapted R statistical modeling packages to company's forecasting models

- Developed a pricing model that projected the value of wind energy assets based on price fluctuations in the electricity market.

Finance Analyst and Information Technology Manager
Intel Corporation
Hillsboro, OR USA (1983-2000)

- Designed and deployed Intel's integrated finance and systems.
- Analyzed and recommended wafer manufacturing deployment strategies.
- Managed information technology operations in human resources and hiring functions, including Intel's worldwide immigration operation.

Education

Ph.D., Political Science, Duke University, Durham NC USA, 2009
A.M., Political Science, Duke University, Durham NC USA, 2006
M.B.A. Finance and Accounting, University of Washington, Seattle WA USA, 1983
B.A. Political Science, Western Washington University, Bellingham WA USA, 1981