

# Patrick Burnett

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## EDUCATION

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<b>University of British Columbia</b> Ph.D. in Sociology The University of British Columbia Four-year Fellowship	Vancouver, BC 2012 – 2019
<b>University of British Columbia</b> M.A. Sociology Canadian Institutes of Health Research graduate scholarship	Vancouver, BC 2009 – 2012
<b>Simon Fraser University</b> B.A. Sociology and Anthropology; First class honours Usama Ansari award for scholastic achievement (top student of graduating class)	Burnaby, BC 2006 – 2009

## PROFESSIONAL OVERVIEW

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As a passionate and accomplished Senior Research Analyst, I bring a wealth of experience and expertise in sociology, research methodologies, and mixed data analysis. With a keen understanding of evidence-based practices, I have consulted and collaborated seamlessly with cross-functional teams to drive impactful research initiatives. Throughout my career, I have successfully managed diverse data sets, extracting valuable insights and presenting them with clarity. I am deeply passionate about data, employing diverse techniques to reveal meaningful patterns and connections within populations. My versatile skill set spans statistical, textual, network, and geospatial analyses, enabling me to pioneer innovative research strategies that make a meaningful impact in social research.

## RESEARCH AND CAREER EXPERIENCE

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<b>National Ugly Mugs</b> <i>Casual Contracts - Data Consultant and Developer (Remote)</i>	Manchester, England 2021 – Present
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- Developed exhaustive database of murdered and missing sex workers in the UK from 1985 to present.
- Collected and analyzed over 1200 news articles for keywords and demographic information.
- Created database of offenders and suspects containing case details and histories.
- Developing automated web crawler for processing data in news articles about murdered sex workers.
- Built a Machine Learning model to code, classify, and triage violence and victimization reports.
- Tracking and refining triaging system as case workers integrate into their workflow.

<b>Enterprise Insights, First West Credit Union</b> <i>Senior Research Analyst</i>	Langley, BC 2021 – 2022
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- Worked with leaders, analysts, and vendors across the organization to define research objectives.
- Supported strategic initiatives for sales, marketing, and operations while maintaining enterprise view.
- Worked with many different mixed forms of data to extract insights and present results to team leads.
- Sampled, designed, scripted, managed, and analysed results of internally distributed surveys.
- Consulted on survey design and research methodologies for various teams across the organization.
- Lead projects managing tight timelines in a high pressure and fast paced research environment.

<b>Planning and Institutional Research, University of British Columbia</b> <i>Research Analyst, UniForum</i>	Vancouver, BC 2018 – 2020
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- Plan, design, and implement analytic reports and statistical information on a variety of subjects.
- Extract and synthesize data from a variety of university databases and maintain data integrity.
- Consult with departments, faculties, and administrative units regarding information requirements.

- Communicate the results of complex mixed-data analyses to varying audiences and stakeholders.
- Develop processes and support staff in annual university wide data collection project.
- Prepare and present inter-institutional analytic results to stakeholders and policy committees.

**University of British Columbia**

Vancouver, BC

*Research Associate*

Street-to-Screen; Sex, Safety, and Security 2013 – 2017

- Co-developed two long-form social surveys distributed nationally to marginalized populations online.
- Designed sampling strategies and managed and executed online research marketing and recruitment.
- Automated the cleaning and parsing of 2.2 million cases of numeric and textual data for analysis.
- Performed statistical (SPSS), textual (NVivo), and geospatial analyses and visuals ([Gephi](#); [Three.js](#)).
- Co-authorships, presentations, and knowledge translation of results and mixed-methods employed.
- Prepared summary reports for public audiences, community partners, and national policy debates.

**Relational Academia (now Subfield)**

Surrey, BC

*Co-Founder and Chief Data Officer*

2012 – Present

- Designed and executed data collection of faculty credentials at 15 Canadian universities (1977-2017).
- Created [interactive network visualizations](#) depicting institutional connections via faculty credentials.
- Collaborated with programmers to develop web-crawlers and online data visualizations using D3.js.
- Presented findings at national conferences and published results in [Canadian Review of Sociology](#).
- Co-recipient of the CSA [top student paper award](#) recognizing scale and scope of empirical analyses.
- Ongoing development of global benchmarking tool to rank University placement performance.

**Freelance Analyst**

Vancouver, BC

*Research Consultant and Data Analyst*

2006 – Present

- Effectively evaluated client needs, assessed the strengths and limitations of existing data and/or proposed collection methods, and managed evolving analytic requirements and outcomes.
- Collaborated with diverse clientele to ensure balanced interpretation and presentation of results.
- Gained experience working with many mixed forms of quantitative, qualitative, and network data.
- Negotiated clear lines of communication to ensure prompt completion of tasks within budget.
- Designed research procedures to collect, parse, analyze and [visualize time-series co-publication](#) data.
- Analyzed and reported on student debt trends and inter-institutional transfer habits of BC students.

**PROFESSIONAL STRENGTHS AND SKILLS**

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*Analytical*

- Causal/deductive analyses using linear and logistic regression (taught, presented, published).
- Exploratory analyses and modeling using multiple correspondence techniques (presented, published).
- Time series analyses using longitudinal data (presented, published).
- Mixed quantitative-qualitative analyses using regression and interview data (presented, published).
- Relational social network analyses using individual and institutional level data (taught, presented).

*Technical and Design*

- **Advanced:** SPSS, Gephi, NVivo, Excel, Word, PowerPoint, Teams.
- **Proficient:** Qualtrics, Tableau, HTML, CSS, Adobe Photoshop and Illustrator, Prezi.
- **Developing:** MySQL and PostgreSQL.
- **Supported by AI assistance<sup>1</sup>:** Python, PostgreSQL, Natural Language Processing, Machine Learning.

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<sup>1</sup> Utilizing advanced AI tools, such as ChatGPT and local Large Language Models, to develop and refine code. This approach allows for the rapid creation and iteration of software solutions in languages that I am not yet proficient in. Leveraging AI assistance enables me to efficiently execute tasks that would otherwise require extensive time and expertise to accomplish independently. Through this method, I can extend my existing technical capabilities, enhance productivity, and deliver high-quality results in Python development, Natural Language Processing, and Machine Learning.