# SEAN HARRIGAN

## EPIDEMIOLOGIST & RESEARCH SCIENTIST

## CONTACT

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- seanharrigan.github.io/website/
- Vancouver, BC

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## SKILLS

RESEARCH METHODS

DATA SICENCE

STATISTICS

SCIENTIFIC WRITING

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## EDUCATION

**MSc, Populaiton and Public Health**
*University of British Columbia*
2019-2021

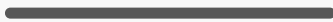**BSc Biology, Minor Statistics**
*University of Victoria*
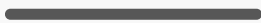2013-2017

## CERTIFICATES

**Machine Learning and AI** (2023)
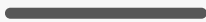*University of Toronto*

**Data Science** (2022)
*University of British Columbia*

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## LANGUAGES

R

Python

HTML

Bash

## PROFILE

I am a dedicated and passionate worker who loves to learn. My background includes various research roles related to health in academia, industry and volunteer positions, with a focus in methodology, data / statistical analysis and academic writing. I have a passion for health science research as well as data science, specifically data analysis and data visualisaiton.

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## WORK EXPERIENCE

### EPIDEMIOLOGIST

BC CENTRE FOR DISEASE CONTROL                     2020-2022

- My role is on focused on design and methodology of research and surveillance projects, data and statistical analysis, and scientific writing. This includes:
- Conceptualising and conducting all aspects of epidemiologic research studies (i.e. hypotheses, study population, methodology, analysis, etc.)
- Leading the statistical analysis in R: this includes exploratory analyses as well as creating data analysis pipelines from tidying raw data, applying a causal framework to analysis and to modelling severity outcomes
- Leading the scientific writing of manuscripts for internal use and for publication in scientific journals

### Researcher & Primary Data Analyst

University of British Columbia                     2020-2021

- Initiative focused in occupational health and safety oh health workers, in Vancouver at the start of the COVID-19 pandemic
- Co-lead a study in collaboration with the World Health Organization (WHO) which surveyed health care workers from around world about risks and protection measures in the workplace during the pandemic.
- Created a database of all physicians and collect data on exposures and test results to monitor physicians and other healthcare workers in Vancouver throughout the pandemic.

### Research Associate

Broadstreet Health Economics and Outcomes Research     2017-2019

- Co-leading a systematic review on a rare disease and have co-authored a meta-analysis on drug effectiveness
- Conducted a systematic literature review and **n**etwork meta-analysis, including abstract review and data extraction
- Participation in externals collaborator and pharmaceutical clients in relation to the research projects