Causal Inference in Epidemiology

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Preface

This will be an online book about causal inference.

Here are some other resources for learning causal inference:

UC Davis courses

- EPI 205 "Principles of Epidemiology"
- EPI 206 "Epidemiologic Study Design"
- EPI/SPH 207 "Advanced Epidemiologic Methodology"
- EPI 225 "Advanced Topics in Epidemiology Methods"
- POL 285 "Statistics of Causal Inference in Political Science"
- MGB/MGP/MGT 454A "Causal Inference and Statistical Experiments"
  - syllabus: https://webapps.aws.ucdavis.edu/public/documents/4861649/Syllabushttps://schedule.aw
- PSC 204B "Causal Modeling of Correlational Data"
- PSC 205C "Structural Equation Modeling"

Course search options:

- https://schedule.aws.ucdavis.edu/courseScheduling
- https://catalog.ucdavis.edu/course-search/
- https://catalog.ucdavis.edu/courses-subject-code/

Online Videos

- "Introduction to Causal Inference" (slides here)
- Online Causal Inference Seminar series

UC Davis Datalab learning group

- https://datalab.ucdavis.edu/causal-inference/
  - Reading list

Other links:

- https://cameron.econ.ucdavis.edu/causal/
- https://datalab-icmat.github.io/causal_reading_group.html

Books

- Judea Pearl (2016)
- Hernán and Robins (2020)

1 Introduction

This is a book created from markdown and executable code.

See Knuth (1984) for additional discussion of literate programming.

```
1 + 1
```

```
[1] 2
```

2 Summary

In summary, this book has no content whatsoever.

```
1 + 1
```

```
[1] 2
```

References

Hernán, MA, and J Robins. 2020. "Causal Inference: What If. Boca Raton: Chapman & Hill/Crc.(2020)." *Publisher's Note Springer Nature Remains Neutral with Regard to Jurisdictional Claims in Published Maps and Institutional Affiliations*. https://miguelhernan.org/whatifbook.

Judea Pearl, Nicholas P. Jewell, Madelyn Glymour. 2016. *Causal Inference in Statistics: A Primer*. 1st ed. Chicester: Wiley.

Knuth, Donald E. 1984. "Literate Programming." *Comput. J.* 27 (2): 97–111. https://doi.org/10.1093/comjnl/27.2.97.