Bibliography (Rough Draft)

# Project GitHub Link

<https://github.com/Sara-Pesso/Research-Project-721> [PRIVATE]

# Topic Ideas

* Bayesian neural networks (BNN) and Bayesian inference/ MCMC in ML
  + Weather
  + Disease mapping
* Epidemiology
  + Branching process

# Bibliography

## Datasets:

* Mexico COVID-19 Data: <https://www.kaggle.com/datasets/meirnizri/covid19-dataset>
* COVID-19 info: <https://www.kaggle.com/datasets/imdevskp/corona-virus-report>
* Cardiovascular disease risks (Behavioral Risk Factor Surveillance System (BRFSS) -- WHO): <https://www.kaggle.com/datasets/alphiree/cardiovascular-diseases-risk-prediction-dataset>
  + Published research paper associated with this data: <https://eajournals.org/ejcsit/vol11-issue-3-2023/integrated-machine-learning-model-for-comprehensive-heart-disease-risk-assessment-based-on-multi-dimensional-health-factors/>

## Background research papers:

* *Bayesian Methods for Hackers* (Davidson-Pilon)
* Introduction to MCMC for ML (University of BC): <https://www.cs.ubc.ca/~arnaud/andrieu_defreitas_doucet_jordan_intromontecarlomachinelearning.pdf>
* Poisson Process: <https://www.scirp.org/html/12-7402423_51236.htm>

## Topical research papers:

* Epidemiology
  + 1. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2872325/>
  + 2. <https://digitalassets.lib.berkeley.edu/math/ucb/text/math_s5_v4_article-18.pdf>
  + 3. <https://sph.umich.edu/pursuit/2021posts/why-africa-still-has-ebola-outbreaks.html>
* Disease Mapping
* Behavioral Risk Factor Surveillance System (BRFSS) – WHO [Published research paper associated with this data]: <https://eajournals.org/ejcsit/vol11-issue-3-2023/integrated-machine-learning-model-for-comprehensive-heart-disease-risk-assessment-based-on-multi-dimensional-health-factors/>
* Bayesian hierarchical models for disease mapping: <https://journals.plos.org/plosone/article?id=10.1371%2Fjournal.pone.0222898>