Lovedeep Gondara

CONTACT INFORMATION

Data and Analytics
British Columbia Cancer Agency
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EDUCATION

Simon Fraser University, Burnaby, BC, Canada

Ph.D., Computer Science, 2022

- Advisor: Ke Wang

University of Illinois, Springfield, Illinois, USA

M.S., Computer Science, 2015

- Advisor: Ted Mims

Colorado State University, Fort Collins, Colorado, USA

Graduate courses, Statistics, 2014-2015

University of the Fraser Valley, Abbotsford, BC, Canada

Graduate Certificate in Data Analytics, 2013

Punjab Technical University, Punjab, India

B.Tech, Computer Science, 2011

WORK/RESEARCH EXPERIENCE

British Columbia Cancer Agency, Vancouver, BC Canada

Biostatistician/Data Scientist **June, 2013 - present**

- Design and analysis of clinical trials and retrospective studies.
- Design and implementation of interactive dashboards to visualize cancer surveillance trends, performance monitoring, predictive models, etc.
- Develop and implement state-of-the-art machine learning and statistical models.
- Provide technical expertise regarding data architecture and data standards for the development and maintenance of databases to facilitate reporting and research.
- Coordinate internal and external data requests for planning and research.
- Coordinate to develop key performance indicators for various programs.
- Participate in recruitment, selection, and training of junior data scientists, interns, and summer students.

Interim Team Lead, BioStatistics **Dec, 2018 - Mar, 2021**

- Lead a team of statisticians and data scientists within cancer surveillance and outcomes, population oncology.
- Provide leadership to team members via technical expertise and the facilitation and demonstration of the principles of team work and collaboration.
- Manage all incoming projects and ensure deliverables by assigning the projects to and coordinating with different team members.

Statistics Canada, Vancouver, BC Canada

Researcher **January, 2013 - December, 2016**

- Coordinate with external investigators to provide statistical support for various projects.

Honors and Awards

John Jambor Knowledge Fund award, British Columbia Cancer Agency, 2022

John Jambor Knowledge Fund award, British Columbia Cancer Agency, 2020

CMPT Graduate Fellowship, Simon Fraser University, 2019

Travel award, NeurIPS 2019

Clark Wilson LLP Graduate Scholarship, 2019

Travel award, EurNLP 2019

NVIDIA GPU Grant, 2018

CMPT travel award, Simon Fraser University, 2018

Alexander Graham Bell Canada Graduate Scholarship (CGS-D), 2018

Helmut & Hugo Eppich Family Grad School award, Simon Fraser University, 2017

John Jambor Knowledge Fund award, British Columbia Cancer Agency, 2017

CMPT travel award, Simon Fraser University, 2017

CMPT Graduate Fellowship, Simon Fraser University, 2017

CMPT travel award, Simon Fraser University, 2016

John Jambor Knowledge Fund award, British Columbia Cancer Agency, 2016

International Biometrics Conference Travel Award, British Columbia Cancer Agency, 2016

John Jambor Knowledge Fund award, British Columbia Cancer Agency, 2014

SAS Global Forum Travel Award, SAS institute, 2014

SAS Global Forum Travel Award, SAS institute, 2013

Publications

Most recent and relevant five publications, for a complete list, please see the Google scholar link.

1. **Gondara, L.** & Wang, K. (2023, January). PubSub-ML: A Model Streaming Alternative to Federated Learning. In Proceedings on Privacy Enhancing Technologies, 2023 (To appear).
2. **Gondara, L.**, Wang, K., & Carvalho, R. S. (2022, March). Differentially Private Ensemble Classifiers for Data Streams. In Proceedings of the 15th ACM International Conference on Web Search and Data Mining, WSDM 2022.
3. **Gondara, L.**, Carvalho, R. S., & Wang, K. (2021, October). Training Differentially Private Neural Networks with Lottery Tickets. In European Symposium on Research in Computer Security (pp. 543-562), ESORICS 2021. Springer, Cham.
4. **Gondara, L.**, & Wang, K. (2020, August). Differentially Private Small Dataset Release Using Random Projections. In Conference on Uncertainty in Artificial Intelligence (pp. 639-648),

UAI 2020. PMLR.

5. **Gondara, L.**, & Wang, K. (2020, September). Differentially Private Survival Function Estimation. In Machine Learning for Healthcare Conference (pp. 271-291), MLHC 2020. PMLR.

ACADEMIC SERVICE Reviewer:
SDM 18' 21' 22', ICML 20' 21' 22', EMNLP 20' 21', EACL 21', NeurIPS 20' 21' 22', ACL 19' 20' 21', CHIL 20' 21' 22', ICLR 20' 21' 22' 23', KDD 21' 22'

PROGRAMMING Python, R, SAS

HOMEPAGE https://lovedeepgondara.com/

GOOGLE SCHOLAR https://goo.gl/tFuznH

GITHUB https://github.com/lgondara