Lovedeep Gondara

CONTACT INFORMATION

Data and Analytics
British Columbia Cancer Agency
Vancouver, BC V5Z1G1 Canada

Cell: (604) 832-7114
E-mail: lovedeep.gondara@bccancer.bc.ca

Dept. of Computing Science
Simon Fraser University
Burnaby, BC V5A 1S6 Canada

E-mail: lgondara@sfu.ca

RESEARCH INTERESTS

Differential Privacy in Machine Learning, Deep Learning, Bayesian Statistics, Generative Models, Machine Learning in Healthcare.

EDUCATION

Simon Fraser University, Burnaby, BC Canada

Ph.D. Student, Computer Science, September 2016 -

- Advisor: Ke Wang

University of Illinois, Springfield, Illinois USA

M.S., Computer Science, Dec, 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, 2012-2013

Punjab Technical University, Punjab India

B.Tech, Computer Science, August, 2011

RESEARCH EXPERIENCE

British Columbia Cancer Agency, Vancouver, BC Canada
Team Lead, BioStatistics **Dec, 2018 - present**

British Columbia Cancer Agency, Vancouver, BC Canada
BioStatistical Analyst **June, 2013 - Nov 2018**

Statistics Canada, Vancouver, BC Canada
Deemed Researcher **January, 2013 - December, 2016**

TEACHING EXPERIENCE

British Columbia Cancer Agency, Vancouver, BC Canada
Tutorial on missing data **2014,2015,2016,2017**
Tutorial on differential privacy **2019**

Simon Fraser University, Burnaby, BC Canada

Introduction to neural networks **December, 2016**

Introduction to Generative Adversarial Networks **May, September, 2017**

Honors and Awards

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

Relevant and recent publications

Gondara, L. and Wang, K. "Differentially Private Survival Function Estimation" *Machine Learning for Healthcare (MLHC), 2020.* (To appear)

Gondara, L. and Wang, K. "Differentially Private Small Dataset Release Using Random Projections" *Proceedings of the 36th Conference on Uncertainty in Artificial Intelligence (UAI), 2020* (To appear)

Ricardo Silva Carvalho, Ke Wang, **Lovedeep Gondara**, Chunyan Miao. "Differentially Private Top-k Selection via Stability on Unknown Domain" *Proceedings of the 36th Conference on Uncertainty in Artificial Intelligence (UAI), 2020* (To appear)

Gondara, L., Ke Wang, and Ricardo Silva Carvalho. "The Differentially Private Lottery Ticket Mechanism." arXiv preprint arXiv:2002.11613 (2020).

Gondara, L. and Wang, K. "MIDA: Multiple Imputation Using Denoising Autoencoders" *Pacific-Asia Conference on Knowledge Discovery and Data Mining.* Springer, Cham, 2018, pp. 260-272.

Gondara, L. and Wang, K. "Recovering Loss to Followup Information Using Denoising Autoencoders." 2017 *IEEE International Conference on Big Data (Big Data)*, Boston, MA, 2017, pp. 1936-1945. doi: 10.1109/BigData.2017.8258139

L. Gondara, "Medical Image Denoising Using Convolutional Denoising Autoencoders," *2016 IEEE 16th International Conference on Data Mining Workshops (ICDMW)*, Barcelona, 2016, pp. 241-246. doi: 10.1109/ICDMW.2016.0041

All publications	Please see Google Scholar link below
Programming	Python, R, SAS, Java
Homepage	https://lovedeepgondara.com/
Google Scholar	https://goo.gl/tFuznH
GitHub	https://github.com/lgondara
References	Provided upon request