

Curriculum Vitae: Cindy Xin Feng

Education

PhD in Statistics, Simon Fraser University, 2007-2011

MSc in Statistics, Simon Fraser University, 2004-2006

BSc in Applied Mathematics, Beijing University of Technology, Beijing, China, 1999-2003

Employment History

Associate Professor, School of Epidemiology and Public Health, University of Ottawa, Jan2020-now

Associate Professor (tenured), School of Public Health, University of Saskatchewan, July 2018-now

Assistant Professor, School of Public Health, Sept.2012-June 2019

Adjunct Professor, Department of Mathematics and Statistics, Sept 2016-present

Graduate Student Supervision:

Current students:

1 PhD in Biostatistics, 1 MSc in Biostatistics and 2 PhDs in Epidemiology

Completed students:

8 MSc in Biostatistics and 1 MPH thesis and 1PhD in Epidemiology

Selected Peer-Reviewed Paper (Last 6 years: 50; Lifetime: 63) *denotes trainee

1. **Feng, C. X.** (2019). Zero-Augmented Accelerated Spatial Failure Model for Modeling Hospital Length of Stay Data. *Spatial and Spatio-temporal Epidemiology*, 29, 121-137.
2. **Feng, C. X.** and Piesse, A. (2018) On Correcting Measurement Error in the Persistence Rate Estimator. *Communication in Statistics -Simulation and Computation*, 47(4)
3. Ahmed, A.*, **Feng, C. X.**, Bowen A., Muhajarine, N. (2018). Latent trajectory groups of perinatal depressive and anxiety symptoms from pregnancy to early postpartum and their antenatal risk factors. *Archives of Women's Mental Health*. 21(6):689-698
4. **Feng, C. X.**, Osgood, N. D. and Dyck, R. F. (2018) Low Birth Weight, Cumulative Obesity Dose, and the Risk of Incident Type 2 Diabetes, *Journal of Diabetes Research*, 2018
5. Essien, S. K.*, **Feng, C. X.**, Sun, W.J., Farag, M., Li, L.H. and Gao, Y.Q. (2018). Sleep Duration and Sleep Disturbances in Association with Falls among the Middle-Aged and Older Adults in China: A Population-based Nationwide Study. *BMC Geriatrics*, 18(1), 196.
6. **Feng, C.X.**, Rostami, M.* and Li, L. (2017) Impact of misspecified residual correlation structure on the parameter estimates in a shared spatial frailty model. *Journal of Statistical Computation and Simulation*. 87(12). 2384–2410.
7. Li, L., **Feng, C.X.**, Qiu, S.* (2017). Estimating Cross-validatory Predictive P-values with Integrated Importance Sampling for Disease Mapping Models. *Statistics in Medicine*, 36 (14), 2220-2236
8. Mobin, A.*, **Feng, C.X.** and Neudorf, C. (2017). Cyberbullying victimization among the elementary school children in a community-based sample in Canada: prevalence and risk factors. *Canadian Journal of Public Health*, 108(5-6), 475–e481.
9. **Feng, C.X.**, Li, J., Sun, W.J., Zhang, Y. and Wang, Q.Y. (2016). Impact of Ambient Fine Particulate Matter (PM_{2.5}) Exposure on the Risk of Influenza-Like-Illness: A Time-Series Analysis in Beijing, China. *Environmental Health*, 15:17.
10. Li, L., Qiu, S. *, Zhang, B., and Feng, C.X. (2016). Approximating Cross-validatory Predictive Evaluation in Bayesian Latent Variables Models with Integrated IS and WAIC. *Statistics and Computing*, 26(4), 881-897.
11. **Feng, C.X.**, Waldner, C. Cushon, J., Davy, K., Neudorf, C. (2016). Suicidal Ideation in a Community Based Sample of Elementary School Children: a Multilevel and Spatial Analysis. *Canadian Journal of Public Health*, 107(1) 100-5.

12. **Feng, C.X.** (2015). Bayesian joint modeling of correlated counts data with application to adverse birth outcomes. *Journal of Applied Statistics*, 42(6), 1206-1222.
13. Zhang, Y. +, **Feng, C.X.** +, Ma, C.N., Yang, P., Tang, S., Lau, A., Sun, W.J. and Wang, Q.Y. (2015). The impact of temperature and humidity measures on H7N9 outbreak - evidence from China. *International Journal of Infectious Diseases*, 30:122-124. +Equally contributed.
14. **Feng, C.X.**, Dean, C.B. and Richard R. (2013). Impact of misspecifying spatial exposures in a generalized additive model framework: with application to the study of the dynamics of Comandra Blister rust in BC. *Environmetrics*, 24(2), 63-80.
15. **Feng, C.X.** and Dean, C.B. (2012). Joint analysis of multivariate spatial count and zero-heavy count outcomes using common spatial factor models. *Environmetrics*, 23(6), 493-508.
16. **Feng, C.X.**, Debeck, K., Kerr, T., Mathias, S., Montaner, J. and Wood, E. (2012). Homelessness independently predicts injection drug use initiation among street-involved youth in a Canadian setting. *Journal of Adolescent Health*, 52(4), 499-501.
17. **Feng, C.X.**, Cao, J. and Bendell-Young, L. (2011). Exploring spatial and temporal variations of Cadmium concentrations in Pacific oysters from British Columbia. *Biometrics*, 67, 1142-1152.

Book Chapters:

- **Feng, C.** and Li, L. (2016). Modeling Zero Inflation and Overdispersion in the Length of Hospital Stay for Patients with Ischaemic Heart Disease. In D. Chen, J. Chen J, X. Lu, G. Yi and H. Yu (Eds.), *Advanced Statistical Methods in Big-Data Sciences* (pp. 50-65). United States: Springer. pp 35-53
- **Feng, C.X.** and Dean, C.B. (2015). Spatial Pattern Analysis of Multivariate Disease Data. In Dongmei Chen, Bernard Moulin, Jianhong Wu (Eds.), *Analyzing and Modeling Spatial and Temporal Dynamics of Infectious Diseases* (pp. 1-30). United States: Wiley.

Research Grants:

- Principal Investigator, Discovery grant, Natural Sciences and Engineering Research Council Canada (NSERC). 2019-2023, \$80,000. Title: Statistical Models and Diagnostics Tools for Spatially Correlated Skewed and Heterogeneous Data.
- Principal Investigator, Discovery grant, Natural Sciences and Engineering Research Council Canada (NSERC). 2013-2019, \$90,000. Title: Joint Modeling of Multivariate Spatial and Temporal Outcomes.
- Co-Principal Investigator, Occupational health in Saskatchewan, MITACS. 2016-2019, \$45,000. Co-PI: Dr. Catherine Trask
- Co-Principal Investigator, Occupational health in Saskatchewan, Saskatchewan Worker's Compensation Board. 2016-2019, \$65,000. Co-PI: Dr. Catherine Trask
- Co-Investigator, Collaborative Research Team (CANSSI-CRT). Spatial Modeling of Infectious Diseases: Environment and Health. PI: Mahmoud Torabi, 2017-2020, \$180,000
- Co-Investigator, Targeted Collaborative Innovation Development Grant on studying HIV in Southern Saskatchewan, Saskatchewan Health Research Foundation, 2016-2018, \$73,182. PI: Dr. Alex Wong.
- Co-Investigator, Safe Water for Health Research Team, Saskatchewan Health Research Foundation, 2012-2016, \$300,000 PIs: Cheryl Waldner and Lalita Bharadwaj.

Other Evidence of Impact and Contributions

- Guest editor for the *Spatial and Spatial-Temporal Epidemiology*.
- Reviewed more than 30 papers for statistical, public health or epidemiological journals.
- Reviewed research grants for the NSERC, CIHR, MITACS, CHRM, etc.
- Advisory committee member for more than 20 thesis-based PhD or MSc students.
- Gave more than 20 invited presentations at the provincial, national, and international conferences.
- Organized and chaired multiple sessions for the Statistical Society of Canada annual meetings.
- Statistical Society of Canada regional representative.