

# Curriculum Vitae

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**Jabed H Tomal, PhD**

Assistant Professor - Tenure Track  
Department of Mathematics and Statistics  
Thompson Rivers University  
805 TRU Way, Kamloops, BC  
Canada, V2C 0C8

- Citizenship : Canadian
  - E-mail : [jtomal@tru.ca](mailto:jtomal@tru.ca)
  - Phone : 1-250-828-5210 (Office)
  - Website : <http://kamino.tru.ca/experts/home/main/bio.html?id=jtomal>
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## Research Interest:

- **Core:** Statistical machine learning, Bayesian statistical inference, Statistical ecology
  - **Supporting:** Longitudinal models, Correlated data analysis, Survival analysis
  - **Application:** Drug discovery, Protein homology, Ecology and environment, Genetics, Medical and health data analysis
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## Education:

- **Ph.D. in Statistics (2013):** The University of British Columbia (UBC), Vancouver, BC, Canada (Average Grade 92%). Thesis Title: Rare-class Classification using Ensembles of Subsets of Variables. Supervisors: Willim J. Welch & Ruben H. Zamar
  - **M.Sc. in Statistics (2007):** University of Windsor, Windsor, ON, Canada (GPA 4 out of 4). Thesis Title: Modelling Fish IBI with Agricultural Stress Gradient and Estimation of Threshold Effects. Supervisors: Karen Y. Fung & Jan J.H. Ciborowski
  - **M.Sc. in Statistics (2001):** University of Dhaka, Dhaka, Bangladesh (First Class - First Position). Thesis Title: Testing Proportionality and Independent Censoring in Proportional Hazards Model for Two-stage Data. Supervisor: M. Ataharul Islam
  - **B.Sc. (Hons) in Statistics (1999):** University of Dhaka, Dhaka, Bangladesh (First Class - First Position)
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## Employment:

- **Thompson Rivers University (December 2018 to Date):**
    1. Assistant Professor, Department of Mathematics and Statistics, Thompson Rivers University, 805 TRU Way, Kamloops, British Columbia V2C 0C8
    2. Graduate Supervisor, Master of Data Science Program, Faculty of Science, Thompson Rivers University
    3. Graduate Supervisor, Master of Environmental Sciences, Faculty of Science, Thompson Rivers University
  - **University of Toronto (July 2014 to June 2018):**
    1. Mendelzon Visiting Assistant Professor, Department of Computer and Mathematical Sciences, University of Toronto Scarborough, 1265 Military Trail, Toronto, ON M1C 1A4
    2. Associate Graduate Faculty Member, Department of Statistical Sciences, University of Toronto, 100 St. George Street, Toronto, ON M5S 3G3
  - **January 2014 to July 2014:** Postdoctoral Fellow, Department of Statistics, The University of British Columbia, 2207 Main Mall, Vancouver, BC V6T 1Z4
  - **September 2008 to August 2013:** Research and Teaching Assistant, Department of Statistics, The University of British Columbia, Vancouver, BC V6T 1Z4
  - **January 2007 to August 2008:** Assistant Professor, Department of Statistics, University of Dhaka, Dhaka-1000, Bangladesh
  - **January 2008 to August 2008:** Assistant Professor (Part Time), Department of Economics, North South University, Dhaka-1229, Bangladesh
  - **September 2005 to December 2006:** Research and Teaching Assistant, Department of Mathematics & Statistics, University of Windsor, 401 Sunset Avenue, Windsor, Ontario, Canada, N9B 3P4
  - **March 2002 to August 2005:** Lecturer, Department of Statistics, University of Dhaka, Dhaka-1000, Bangladesh
  - **January 2003 to August 2005:** Lecturer (Part Time), Institute of Statistical Research and Training, University of Dhaka, Dhaka-1000, Bangladesh
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## Committee Membership:

- **October 5, 2020 to Date:** Curriculum Committee for Post-Baccalaureate Program in Data Science, Thompson Rivers University
- **January 1, 2020 to Date:** Senate Research Committee, Thompson Rivers University
- **September 1, 2019 to Date:** Chair, Award and Scholarship Committee, Master of Data Science, Thompson Rivers University
- **September 1, 2019 to Date:** Graduate Committee, Master of Data Science, Thompson Rivers University
- **July 1, 2019 to Date:** Graduate Program Committee, Master of Data Science, Thompson Rivers University

- **May 1, 2019 to Date:** Equivalent workload committee, Faculty Association, Thompson Rivers University
- **January 2019 to Date:** Recruitment and retention committee, Department of mathematics and statistics, Thompson Rivers University

## Articles - Refereed:

1. Khan, JR, **Tomal, JH**, and Raheem, E. (2021) Model and Variable Selection using Machine Learning Methods with Applications to Childhood Stunting in Bangladesh. *Informatics for Health and Social Care (Taylor and Francis)* (Accepted/In press)
2. **Tomal, JH**, Rahmati, S, Boroushaki, S, Jin, L, and Ahmed, E. (2021) The Impact of COVID-19 on Students' Marks: A Bayesian Hierarchical Modeling Approach. *METRON (Springer Nature)*. doi: <https://doi.org/10.1007/s40300-021-00200-1>
3. **Tomal, JH**, and Ciborowski, JJH. (2020) Ecological Models for Estimating Breakpoints and Prediction Intervals. *Ecology and Evolution (Wiley)*. **10**:13500–13517. doi: <https://doi.org/10.1002/ece3.6955>
4. Evans, M., and **Tomal, JH**. (2018) Measuring Statistical Evidence and Multiple Testing. *FACETS*. **3**: 563-583. doi: <https://doi.org/10.1139/facets-2017-0121>
5. **Tomal, JH**, Welch, WJ, and Zamar, RH. (2017). Discussion of “Random-projection Ensemble Classification” by T.I. Cannings and R.J. Samworth. *Journal of the Royal Statistical Society: Series B (Statistical Methodology)*. **79**(4): 1024-1025. doi: <https://doi.org/10.1111/rssb.12228>
6. **Tomal, JH**, Welch, WJ, and Zamar, RH. (2016). Exploiting Multiple Descriptor Sets in QSAR Studies. *Journal of Chemical Information and Modeling*. **56**(3): 501-509. doi: <https://doi.org/10.1021/acs.jcim.5b00663>
7. **Tomal, JH**, Welch, WJ, and Zamar, RH. (2015). Ensembling Classification Models Based on Phalanxes of Variables with Applications in Drug Discovery. *The Annals of Applied Statistics*, **9**(1): 69-93. doi: <https://doi.org/10.1214/14-AOAS778>
8. Hossain, MZ, **Tomal, JH**, and Hossain, MB. (July 2008). An Approach of Selecting Correlation Structure in GEE. *Dhaka University Journal of Sciences*, **56**(2): 189-193.
9. **Tomal, JH**. (January 2006). Extended Breslow et al. Test for Proportional Hazards Hypothesis. *Dhaka University Journal of Sciences*, **54**(1): 89-94.
10. **Tomal, JH**, Khan, HTA, Hossain, MZ and Shabuz, MZR. (2005). Factors Associated with Pregnancy Complications During Antenatal Period: An Extended GEE Approach. *BRAC University Journal*, **2**(2): 13-22.
11. Khan, HTA, Bhuiyan, MBH and **Tomal, JH**. (June 2005). Fertility Behavior of Married Adolescent Women in Bangladesh. *Journal of Sociology*, **1**(1): 7-20.
12. **Tomal, JH** and Islam, MA. (July 2004). Proportionality Test and Survival Function for Two-stage Data, *Dhaka University Journal of Sciences*, **52**(3): 361-367.
13. Khan, HTA, **Tomal, JH** and Bhuiyan, MBH. (June 2004). Contraceptive Practice Behavior among Married Adolescent Women in Bangladesh. *Journal of Preventive and Social Medicine (JOPSOM)*, **23**(1): 1-11.

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## Articles - Non-refereed:

1. **Tomal, JH**, Hsu, G, Welch, WJ, and Wang, M. (2020) EPX: Ensemble of Phalanxes. *R package version 1.0.3*. link: <https://cran.r-project.org/web/packages/EPX/index.html>
  2. **Tomal, JH**, and Ciborowski, JJH. (2020) Datasets relating (i) A wetland fish multimetric index to variation in agricultural stress among Laurentian Great Lakes coastal wetlands, (ii) Cyanobacteria biomass to total phosphorus concentrations among Canadian lakes. *Dryad, Dataset*. doi: <https://doi.org/10.5061/dryad.g79cnp5nr>
  3. Ciborowski, JJH, Landry, J, Wang, L, and Tomal, JH. (2020) Compiling and Assessing Environmental Stress Data for the Detroit River Area of Concern. *Environment and Climate Change Canada*
  4. Cai, Y, Cai, J, Chen, J, Golchi, S, Guan, M, Karim, ME, Liu, Y, **Tomal, JH**, Xiong, C, Zhai, Y, Lum, C, Welch, WJ, Zidek, JV. (2016) An Epirical Experiment to Assess the Relationship Between the Tensile and Bending Strengths of Lumber. *Technical Report*, Department of Statistics, The University of British Columbia, Vancouver, BC, Canada. Link: <https://www.stat.ubc.ca/Research/TechReports/tr/276.pdf>
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## Articles - Revision Submitted:

1. **Tomal, JH**, Welch, WJ, Zamar, RH. (2020) Ensembles of Phalanxes across Assessment Metrics for Robust Ranking of Homologous Proteins. *Data Mining and Knowledge Discovery*
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## Articles - Under Review:

1. Chowdhury, RI, **Tomal, JH**, and Islam, MA. Divide and recombine framework for risk prediction in repeated measures longitudinal data. **Journal of Machine Learning Research**
  2. **Tomal, JH**, Ahmed, A, and Rahman, M. Association between students' class attendances and marks in STEM education with threshold effect. **SN Social Sciences**
  3. Hsu, GG, **Tomal, JH**, and Welch, WJ. EPX: Ensemble of Classifiers Based on Phalanxes of Variables for Highly Unbalanced Binary Classification Problems. **Computer Methods and Programs in Biomedicine**
  4. Atkins, M, Howarth, C, Russello, M, **Tomal, JH**, and Larsen, K. Evidence of Intrapopulation Shifts in Rattlesnake Defensive Behaviour Across Contrasting Habitats. **Journal of Wildlife Management and Wildlife Monographs**
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## Articles - In Preparation:

1. **Tomal, JH**, and Khan, JR, Wahed, AS. The number of children ever born among married women of reproductive age in Bangladesh: A Bayesian weighted Poisson regression approach. Preparing the final draft for **Statistics in Medicine**

2. **Tomal, JH**, and Rahman, H. A Bayesian piecewise linear model for the detection of breakpoints in housing market data. Preparing the final draft for **Computational Statistics and Data Analysis**
  3. **Tomal, JH**, and Ciborowski, JJH. Detection of environmental thresholds by assessing discontinuities in slopes and variances via a Bayesian regression model. Preparing the first draft for **Methods in Ecology and Evolution**
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## Awards, Grants & Scholarships:

1. The Thompson Rivers University Internal Research Fund: \$5,000, Research Project: Ensemble of models for big data with applications to genetics
  2. TRU Undergraduate Research Apprenticeship Fund: \$3,000, Research Project: Relationships between anthropogenic stresses and biological conditions of Detroit River Area of Concern (AOC)
  3. Grant: \$6,000, Research Project: Compiling and Assessing Environmental Stress Data for the Detroit River and Lake Erie, 2018
  4. Grant: \$14,000, 2014, University of Toronto Internal Research Support, Toronto, Ontario, Canada
  5. Award: Received *honourable mention* for my talk “Ensembling Classification Models Based on Phalanxes of Variables with Applications in Drug Discovery” in the SSC 2013 Annual Meeting in Edmonton, Alberta, Canada
  6. Award: Student Travel Award (\$500), 2012, Statistical Society of Canada (SSC).
  7. Grant: Graduate Student Travel Fund (\$500), 2012, Graduate Student Society, The University of British Columbia (UBC)
  8. Award: Faculty of Science Graduate Award (\$12,084.71), September 2009 - August 2012, UBC.
  9. Scholarship: Graduate Entrance Scholarship (\$3000), 2008 - 2009, UBC
  10. Scholarship: International Partial Tuition Scholarship, 2008 - 2011, UBC
  11. Scholarship: President Scholarship, 2006, University of Windsor (*declined*)
  12. Scholarship: Tuition Scholarship, 2006, University of Windsor
  13. Scholarship: International Partial Tuition Scholarship, 2005, University of Windsor
  14. Grant: National Science and Technology Fellowship, 2000, University of Dhaka
  15. Award: Dr. Quazi Motahar Hossain Foundation Award, 1999, University of Dhaka
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## Teaching - Courses Taught as a Principal Instructor:

### 1. Department of Mathematics and Statistics, Thompson Rivers University, (Assistant Professor - December 2018 to Date)

Course No:	Name
DASC 5420	Theoretical Machine Learning (Summer 2021)
MATH 1070:	Mathematics for Business and Economics (Fall 2019, 2020, Winter 2020)
STAT 2000:	Introduction to Statistics (Fall 2019, 2020, Winter 2019, 2020, 2021)

### 2. Department of Computer and Mathematical Sciences, University of Toronto Scarborough, (Assistant Professor - July 2014 to June 2018)

Course No:	Name
STAC58H3:	Statistical Inference (Winter 2018)
STAC23H3:	Introduction to Statistics for the Social Sciences (Winter 2018)
STAC62H3:	Stochastic Processes (Fall 2017)
STAC67H3:	Regression Analysis (Fall 2014, Fall 2015, Fall 2017)
STAB57H3:	An Introduction to Statistics (Winter 2015, 2016, 2017, Fall 2016)
STAB52H3:	An Introduction to Probability (Fall 2014)
STAD92H3	Logistic Regression and Parallel Computing using R (Summer 2015)

### 3. Department of Statistics, University of Dhaka (Lecturer: March 2002 - August 2005 & Assistant Professor: January 2007 - August 2008)

Course No:	Name
STAT M512:	Advanced Biostatistics
STAT H414:	Computer Based Statistical Computing
STAT H407:	Biostatistics
STAT H403:	Order Statistics and Nonparametric Methods
STAT H309:	Time Series Analysis
STAT H308:	Computer Packages (SPSS & SAS)
STAT H205:	Computer Programming (ForTran & S-plus)
STAT H203:	Mathematical Statistics-I
STAT H104:	Introduction to Computers

### 4. Department of Economics, North South University (Assistant Professor - Part Time: January 2008 - August 2008)

Course No:	Name
ECO/BUS 173:	Applied Statistics
ECO/BUS 172:	Introduction of Statistics

### 5. Institute of Statistical Research and Training, University of Dhaka (Lecturer - Part Time: January 2003 - August 2005)

Course No:	Name
AST H407:	Econometrics
AST H304:	Business Statistics
AST H208:	Computer Programming I (ForTran & S-plus)

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## Invited Talks:

1. **Tomal, JH**<sup>1</sup> and Ciborowski, JJH (December 5, 2020) Detection of environmental thresholds by assessing discontinuities in slopes and variances via a Bayesian regression model. *Canadian Mathematical Society (CMS)*, Virtual Winter Meeting, Canada
  2. **Tomal, JH** (November 19, 2019) Ensemble of models for big data, sparsity, environmental thresholds and wildfire prediction, *Senate Research Committee*, Thompson Rivers University, Kamloops, BC, Canada
  3. Ciborowski, JJH<sup>1</sup> and **Tomal, JH** (November 14, 2019) Environmental Monitoring - Developing Bioindicators of Environmental Condition and Recovery from Degradation. *Environmental Sciences Seminar Series*, Environmental Sciences, Thompson Rivers University, Kamloops, BC, Canada
  4. **Tomal, JH**<sup>1</sup>, Welch, WJ, and Zamar, RH. (February 9, 2018) Ensembles of Models and Metrics for Robust Ranking of Homologous Proteins. *Department of Mathematics & Computer Science, University of Lethbridge*, Lethbridge, Alberta, Canada
  5. **Tomal, JH**<sup>1</sup>, Welch, WJ, and Zamar, RH. (May 29, 2017) Construction of Ensemble by Exploiting the Richness of Feature Variables in High-Dimensional Data with Applications in Protein Homology. *Institute of Statistical Research and Training*. University of Dhaka, Dhaka, Bangladesh
  6. **Tomal, JH**<sup>1</sup>, Welch, WJ, and Zamar, RH. (December 7 - 9, 2016) Construction of Ensemble by Exploiting the Richness of Feature Variables in High-Dimensional Data with Applications in Protein Homology. *Emerging Big Data Technologies Summit*. Hosted by the International Innovative Research Network In partnership with Crown Vision Technology. Melbourne, Australia
  7. **Tomal, JH**<sup>1</sup>, Welch, WJ, and Zamar, RH. (May 25 - 27, 2016) Construction of Ensemble by Exploiting the Richness of Feature Variables in High-Dimensional Data with Applications in Protein Homology. *6th International Workshop on the Perspectives on High-Dimensional Data Analysis (HDDA-VI)*. The Fields Institute, Toronto, Ontario, Canada
  8. **Tomal, JH**<sup>1</sup>, Welch, WJ, and Zamar, RH. (May 18 - 21, 2016) Ranking Homologous Proteins using Ensemble of Phalanxes Based on Logistic Regression Model. *International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications (IC-SMHD-2016)*. Cappadocia, Nevsehir, Turkey
  9. **Tomal, JH**<sup>1</sup>, Welch, WJ, and Zamar, RH. (December 27 - 29, 2015) Ranking Homologous Proteins using a Fast Ensemble of Phalanxes Based on Logistic Regression Model. *The Second International Conference on Theory and Applications of Statistics*. University of Dhaka, Dhaka, Bangladesh
  10. **Tomal, JH**. (June 18, 2014) Ensembling Classification Models Based on Phalanxes of Variables with Applications in Drug Discovery. *Department of Statistical Sciences, University of Toronto*. Toronto, Ontario, Canada
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<sup>1</sup>Presenting Author

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## Contributed Talks:

1. **Tomal, JH.** (March 3, 2021). A Bayesian Approach to Accounting for Survey Weights in Poisson Regression: Application to Model the Number of Children Ever Born among Married Women of Reproductive Age in Bangladesh. Data Science Seminar Series, Thompson Rivers University, Kamloops, BC, Canada
2. **Tomal, JH<sup>2</sup>,** Ahmed, E, and Rahman, M. (February 18, 2020). The Impact of Class Attendance on Student Performance at TRU. Teaching Practices Colloquium, Thompson Rivers University, Kamloops, BC, Canada
3. **Tomal, JH.** (April 11, 2019). Predicting Homologous Proteins using an Ensemble of Subsets of Variables. Faculty of Science Seminar Series, Thompson Rivers University, Kamloops, British Columbia, Canada
4. **Tomal, JH.** (June 3 - 6, 2018). Ensemble of Subsets of Variables for Ultra-High-Dimensional Regression and Classification. *46th Annual Meeting of the Statistical Society of Canada.* McGill University, Montréal, Québec, Canada
5. **Tomal, JH<sup>2</sup>,** Ciborowski, Jan JH, Fung, K. (June 11 - 14, 2017). Piecewise Linear Quantile Regression for the Estimation of Ecological Breakpoints. *45th Annual Meeting of the Statistical Society of Canada.* University of Manitoba, Winnipeg, Manitoba
6. **Tomal, JH<sup>2</sup>,** Welch, WJ, and Zamar, RH. (July 30 - August 4, 2016). Ranking Homologous Proteins Using an Ensemble of Logistic Regression Models Based on Subsets of Feature Variables. *Joint Statistical Meeting 2016.* Chicago, USA
7. **Tomal, JH<sup>2</sup>,** Welch, WJ, and Zamar, RH. (June 14 - 17, 2015). Ranking Homologous Proteins using a Fast Ensemble of Phalanxes Based on Logistic Regression Model. *43rd Annual Meeting of the Statistical Society of Canada.* Dalhousie University, Halifax, NS
8. **Tomal, JH<sup>2</sup>,** Welch, WJ, and Zamar, RH. (May 27, 2013). Ensembling Classification Models Based on Phalanxes of Variables with Applications in Drug Discovery. *41st Annual Meeting of the Statistical Society of Canada.* University of Alberta, Edmonton, AB
9. **Tomal, JH<sup>2</sup>,** Welch, WJ, and Zamar, RH. (September 2012). Ensembling Classification Models Based on Phalanxes of Variables with Applications in Drug Discovery *Department of Statistics, University of British Columbia,* Earth Sciences Building, 2207 Main Mall, Vancouver, BC V6T 1Z4
10. **Tomal, JH<sup>2</sup>,** Welch, WJ, and Zamar, RH. (September 2012). Ensembling Descriptor Sets using Phalanxes of Variables to Rank Activity of Compounds in QSAR Studies. *SFU/UBC Joint Graduate Student Seminar,* Vancouver, BC
11. **Tomal, JH<sup>2</sup>,** Welch, WJ, and Zamar, RH. (June 2012). Ensembling Descriptor Sets to Rank Activity of Compounds in QSAR Studies. *40th Annual Meeting of the Statistical Society of Canada.* University of Guelph, Guelph, ON
12. **Tomal, JH.** (March 2012). Concepts and Algorithms in Detection Problems. *Graduate Students' Seminar,* Department of Statistics, University of British Columbia, Vancouver, BC V6T 1Z4
13. **Tomal, JH.** (March 2010). Ensemble of Classifiers and their Applications in Drug Discovery. *Graduate Students' Seminar,* Department of Statistics, University of British Columbia, Vancouver, BC V6T 1Z4



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## Thesis Committee:

1. Committee Member: Marriappan Vasudevan, Master of Business Administration, TRU (Title: Credit Risk Modeling: A Comparative Analysis of Artificial and Deep Neural Network), Defended: April 29, 2020 (Supervisor: Dr. Mohammad Mahbobi)
  2. Committee Member: Wendy Margetts, Environmental Sciences, TRU (Title: Monitoring and Suppression of Smallmouth Bass in Cultus Lake, BC), Supervisor: Brian Heise
  3. Committee Member: Alexis Carter, Environmental Science, TRU (Title: Spatiotemporal Variation in Throughfall Patterns in Pine and Sagebrush)
  4. Committee Member: Chloe Howarth, Environmental Science, TRU (Title: Variation and Ontogeny of Migratory Tactics in British Columbia's Western Rattlesnake (*Crotalus oreganus*)), Supervisor: Karl Larsen
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## Research Supervision:

1. Project 1: *Machine learning to discern among fuel type layer (FTL) classes using multi-spectral satellite imagery, for wildfire management decision-making support in BC*, Thompson Rivers University. Supported by: Undergraduate Research Experience Award Program (UREAP). Student's Name: Francesca Ramunno. Start Date: May 1, 2019. End Date: November 30, 2019
  2. Project 2: *Detection of fuel type later classes using unsupervised classifiers for wildfire management decision making support in BC*, Thompson Rivers University. Student's Name: Gagan Sing. Start Date: September 1, 2019. End Date: December 31, 2019
  3. Project 3: *Detection of fuel type later classes using supervised classifiers for wildfire management decision making support in BC*, Thompson Rivers University. Student's Name: Bradley Crump. Start Date: September 1, 2019. End Date: December 31, 2019
  4. Project 4: *Relationships between Anthropogenic Stresses and Biological Conditions of Detroit River Area of Concern*, Department of Mathematics and Statistics, Thompson Rivers University. Supported by research fund of Jabed Tomal. Student's Name: Marium Tawhid. Start Date: June 1, 2019. Probable End Date: December 31, 2020
  5. Project 5: *Variable Selection in High-Dimensional Data*, Department of Computer and Mathematical Science, University of Toronto Scarborough. Student's Name: Jenkin Tsui. (STAD94H3: Statistics Project - Winter 2018)
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<sup>2</sup>Presenting Author

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## Computing and Technical Skills:

- **Parallel Computing:** To analyze high-dimensional data, I extensively use parallel computing. The computations in my Ph.D. thesis are completed through parallel execution of R & C codes in the Statistics Department's servers of UBC and in the Western Canada Research Grid (WestGrid) servers
  - **Programming Language:** R, Python, C/C++ (my all-time companion), ForTran, S-plus (used in my past research and *taught* in the undergraduate level at the University of Dhaka)
  - **Statistical Package:** SPSS & SAS: (used in my past research and *taught* in the undergraduate level at the University of Dhaka. Furthermore, I taught SPSS in the "SPSS Training Program" at the University of Dhaka)
  - **Document Preparation & Presentation:** Latex (all-time companion)
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## Conference Organization:

1. Scientific Committee Member: First International Conference on Business, X-Events and Analytics, Austria Trend Pakhotel Schönbrunn, Vienna, Austria, Held in November 23-24, 2017
  2. International Advisory Committee Member: International Conference on Bioinformatics and Biostatistics for Agriculture, Health and Environment, University of Rajshahi, Rajshahi, Bangladesh, January 20-23, 2017
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## Professional Affiliation:

- Member: Statistical Society of Canada, 209-1725 St. Laurent Blvd. Ottawa, ON K1G 3V4
  - Member: American Statistical Association, 732 North Washington Street, Alexandria, VA 22314-1943
  - Life Member: Bangladesh Statistical Association, c/o Institute of Statistical Research and Training, University of Dhaka, Dhaka-1000, Bangladesh
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## Volunteer Experience:

- **Organizing Secretary (July 2012 - June 2014):** Greater Vancouver Bangladesh Cultural Association (GVBCA), Vancouver, BC, Canada
  - **Secretary (February 2012- February 2013):** Bangladesh Students' Association (BSA) at UBC, The University of British Columbia, Vancouver, BC, Canada
  - **Founder Executive (2007 - 2008):** SPSS Training Program, Department of Statistics, University of Dhaka, Dhaka-1000, Bangladesh
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## Graduate Courses Taken:

### 1. Ph.D. in Statistics, The University of British Columbia

Course No:	Name	Grade	Instructor
STAT 538A:	Generalized Linear Models	A+	Dr. Lang Wu
STAT 545A:	Exploratory Data Analysis	A-	Dr. Jenny Bryan
STAT 548:	Directed Studies in Statistics – Ph.D. Qualifying Course	A+	Dr. Ruben Zamar (Team Taught)
STAT 550:	Techniques of Statistical Consulting	P	Dr. Michael Schulzer
STAT 547C:	Topics in Probability for Statistical Modelling	A+	Dr. Ruben H. Zamar
STAT 530:	Bayesian Inference and Decision	A+	Dr. Paul Gustafson
STAT 551:	Statistical Consulting Practicum	P	Dr. John Petkau
STAT 536C:	Statistical Theory for the Design and Analysis of Clinical Studies	A+	Dr. Rollin Brant
STAT 547M:	Computer Experiments	A+	Dr. William J. Welch
CPSC 540:	Machine Learning	Audited	Dr. Nando de Freitas

### 2. M.Sc. in Statistics, University of Windsor

Course No:	Name	Grade	Instructor
STAT 542:	Advanced Mathematical Statistics	A+	Dr. Séverien Nkurunziza
STAT 554:	Theory/Sampling & Surveys	A+	Dr. Myron Hlynka
STAT 555:	Regression Analysis	A+	Dr. Karen Y. Fung
ECON 542:	Econometric Theory II	A+	Dr. Dingding Li
STAT 543:	Statistical Inference	A+	Dr. Séverien Nkurunziza
STAT 559:	Statistical Consulting	A+	Dr. Abdul A. Hussein
STAT 552:	Experimental Design	A+	Dr. Karen Y. Fung

### 3. M.Sc. in Statistics, University of Dhaka

Course No:	Name	Result
STAT M101:	Stochastic Processes	First Class
STAT M102:	Multivariate Analysis	First Class
STAT M103:	Theory of Inference	First Class
STAT M104:	Design and Analysis of Experiments	First Class
STAT M105:	Sampling Theory	First Class
STAT M109:	Biostatistics	First Class
STAT M115:	Viva-Voce	First Class

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**References:**

1. **William J. Welch, Ph.D.**  
Professor, Department of Statistics  
The University of British Columbia  
2207 Main Mall, Vancouver, BC V6T 1Z4.  
Phone: +1-604-822-3339  
E-mail: will@stat.ubc.ca.  
(Relation: Ph.D. Supervisor, UBC)
  2. **Ruben H. Zamar, Ph.D.**  
Professor, Department of Statistics  
The University of British Columbia  
2207 Main Mall, Vancouver, BC V6T 1Z4.  
Phone: +1-604-822-3167  
E-mail: ruben@stat.ubc.ca.  
(Relation: Ph.D. Supervisor, UBC)
  3. **Michael Evans, Ph.D.**  
Professor, Department of Statistical Sciences  
University of Toronto  
100 St. George Street  
Toronto, Ontario M5S 3G3.  
Phone: +1-416-287-7274 (UTSC) & +1-416-978-4452 (StG)  
E-mail: mevans@utstat.utoronto.ca  
(Relation: Former Colleague, University of Toronto Scarborough)
  4. **Jan Ciborowski, Ph.D.**  
Professor, Biological Sciences  
University of Calgary  
Calgary, AB, Canada.  
Phone: +1 403-220-7465  
E-mail: jan.ciborowski@ucalgary.ca  
(Relation: M.Sc. Thesis Coupervisor, University of Windsor)
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