

Luke Johnston

POSTDOCTORAL RESEARCHER

Aarhus, Denmark

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I am a diabetes epidemiologist, R user and programmer, teacher of modern data analysis skills, and open science advocate.

EDUCATION

University of Toronto

PHD IN NUTRITIONAL SCIENCES

• <https://hdl.handle.net/1807/80893>

Toronto, CA

2013 – 2017

University of Toronto

MSc IN NUTRITIONAL SCIENCES

• <https://hdl.handle.net/1807/42975>

Toronto, CA

2011 – 2013

University of Waterloo

BSc IN KINESIOLOGY

Waterloo, CA

2005 – 2010

PUBLICATIONS

1. M. M. Broadley, A. Gonzalez-Franquesa, A. Jonsson, C. B. Christiansen, G. D. Carrasquilla, A. Mamidi, S. M. Ghiasi, H. B. Juel, S. Falk, M. S. Isidor, P. Aldiss, L. Gillberg, K. Carolo dos Santos, R. Sabaratnam, L. O. Huang, J. S. Quist, J. R. Knudsen, S. Poulsen, R. Quaranta, M. Tozzi, R. B. Mikkelsen, M. K. Andersen, M. Dall, A. B. Møller, M. H. Drag, S. Panahi, C. L. Lyons, L. Small, A. Altıntaş, P. Poursharifi, B. Osborne, A. K. Sarvari, **L. W. Johnston**, M. H. Solheim, I. M. Modvig, A. S. Husted, N. Z. Jespersen, E. L. Brown, E. Bak, A. Peluso, F. Finger, K. V. Grunddal, K. Rugar, H. T. Vistisen, J. B. Henningsen, T. Ma, M. Hauge Pedersen, K. Plucinska, S. L. Jepsen, G. Repasky. 'Next generation diabetes scientists shape global research culture'. *Acta Physiologica* (2020). DOI: 10.1111/apha.13455.
2. Omar Silverman-Retana, Adam Hulman, Jannie Nielsen, Claus T. Ekstrøm, Bendix Carstensen, Rebecca K. Simmons, Lasse Bjerg, **Luke W. Johnston**, Daniel R. Witte. 'Effect of familial diabetes status and age at diagnosis on type 2 diabetes risk: a nation-wide register-based study from Denmark'. *Diabetologia* (2020). DOI: 10.1007/s00125-020-05113-8.
3. **Luke Johnston**, Madeleine Bonsma-Fisher, Joel Ostblom, Ahmed Hasan, James Santangelo, Lindsay Coome, Lina Tran, Elliott De Andrade, Sara Mahallati. 'A graduate student-led participatory live-coding quantitative methods course in R: Experiences on initiating, developing, and teaching'. *Journal of Open Source Education* (2019). DOI: 10.21105/jose.00049.
4. Ingrid D. Santaren, Richard P. Bazinet, Zhen Liu, **Luke W. Johnston**, John L. Sievenpiper, Adria Giacca, Ravi Retnakaran, Stewart B. Harris, Bernard Zinman, Anthony J. Hanley. 'The Distribution of Fatty Acid Biomarkers of Dairy Intake across Serum Lipid Fractions: The Prospective Metabolism and Islet Cell Evaluation (PROMISE) Cohort'. *Lipids* (2019). DOI: 10.1002/lipd.12185.
5. Zhila Semnani-Azad, Philip W Connelly, **Luke W Johnston**, Ravi Retnakaran, Stewart B Harris, Bernard Zinman, Anthony J Hanley. 'The macrophage activation marker soluble CD163 is longitudinally associated with insulin sensitivity and β -cell function'. *The Journal of Clinical Endocrinology & Metabolism* (2019). DOI: 10.1210/clinem/d
6. Sara Mahdavi, Antonio Bellasi, Karan Nagra, **Luke Johnston**, Paul Tam, Biagio Di Iorio, Tabo Sikaneta. 'Associations of Calcium from Food Sources versus Phosphate Binders with Serum Calcium and FGF23 in Hemodialysis Patients'. *Journal of Clinical Medicine* (2019). DOI: 10.3390/jcm8101680.
7. Zhila Semnani-azad, **Luke W Johnston**, Christine Lee, Ravi Retnakaran, Philip W Connelly, Stewart B Harris, Bernard Zinman, Anthony J Hanley. 'Determinants of longitudinal change in insulin clearance: the Prospective Metabolism and Islet Cell Evaluation cohort'. *BMJ Open Diabetes Research & Care* (2019). DOI: 10.1136/bmjdr-2019-000825.
8. **Luke W. Johnston**, Zhen Liu, Ravi Retnakaran, Bernard Zinman, Adria Giacca, Stewart B. Harris, Richard P. Bazinet, Anthony J. Hanley. 'Clusters of fatty acids in the serum triacylglyceride fraction associate with the disorders of type 2 diabetes'. *J Lipid Res* (2018). DOI: 10.1194/jlr.P084970.
9. **Luke W. Johnston**, Stewart B. Harris, Ravi Retnakaran, Adria Giacca, Zhen Liu, Richard P. Bazinet, Anthony J. Hanley. 'Association of non-esterified fatty acid composition with insulin sensitivity and beta cell func-

tion in the Prospective Metabolism and Islet Cell Evaluation (PROMISE) cohort'. *Diabetologia* (2017). DOI: 10.1007/s00125-017-4534-6.

10. **Luke W. Johnston**, Stewart B. Harris, Ravi Retnakaran, Bernard Zinman, Adria Giacca, Zhen Liu, Richard P. Bazinet, Anthony J. Hanley. 'Longitudinal associations of phospholipid and cholesteryl ester fatty acids with disorders underlying diabetes.'. *J Clin Endocrinol Metab* (2016). DOI: 10.1210/jc.2015-4267.
11. **L. W. Johnston**, S. B. Harris, R. Retnakaran, H. C. Gerstein, B. Zinman, J. Hamilton, A. J. Hanley. 'Short leg length, a marker of early childhood deprivation, is associated with metabolic disorders underlying type 2 diabetes mellitus: the PROMISE cohort study'. *Diabetes Care* (2013). DOI: 10.2337/dc13-0254.
12. K. Doughty, L. Rothman, **L. Johnston**, K. Le, J. Wu, A. Howard. 'Low-income countries' orthopaedic information needs: Challenges and opportunities'. *Clinical Orthopaedics and Related Research* (2010). DOI: 10.1007/s11999-010-1365-x.

ORAL PRESENTATIONS

1. **Luke W. Johnston**. 'An R toolkit to simplify and automate an open scientific workflow'. *European R User Meeting* in Budapest, Hungary (2018).
2. **L. W. Johnston**, C. Lee, S. B. Harris, R. Retnakaran, B. Zinman, R. P. Bazinet, A. J. Hanley. 'Serum Non-Esterified Fatty Acid (NEFA) Concentrations are Associated with Longitudinal Progression of Beta-Cell Dysfunction: Prospective Metabolism and Islet Cell Evaluation (PROMISE) Cohort'. *33rd International Symposium on Diabetes & Nutrition in Toronto, Canada* in Toronto, Canada (2015). DOI: 10.6084/m9.figshare.1545567.
3. **Luke W. Johnston**, Christine Lee, Stewart Harris, Ravi Retnakaran, Bernard Zinman, Richard P. Bazinet, Anthony J. Hanley. 'Serum Phospholipid (PL) Fatty Acid Composition Predicts Declines in Insulin Sensitivity (IS) and Beta-Cell Function Over 6-years in the Prospective Metabolism And Islet Cell Evaluation (PROMISE) Cohort'. *International Diabetes Epidemiology Group Scientific Meeting* in Vancouver, Canada (2015).
4. **L. W. Johnston**, S. Kayaniyil, C. Lee, S. B. Harris, R. Retnakaran, B. Zinman, R. P. Bazinet, A. J. Hanley. 'Lower Serum Non-Esterified Eicosapentaenoic Acid (EPA) is Associated with Insulin Resistance in the PROspective Metabolism and ISlet Cell Evaluation (PROMISE) Cohort'. *Biennial Congress of the International Society for the Study of Fatty Acids and Lipids* in Stockholm, Sweden (2014).
5. R. D. Kennedy, **L. Johnston**. 'Report of the Smoke-free Policy Scan of YMCAs and YWCAs in Ontario'. *Meeting of the Tobacco-free Sports and Recreation Community of Practice* in Waterloo, Canada (2010).

ORAL POSTER PRESENTATIONS

1. **LW Johnston**, C Wittenbecher, HT Vistisen, CC Dahm, DR Witte. 'The metabolic pathways between components of stature and HbA (1c): a causal structure learning approach in the UK Biobank'. *European Association for the Study of Diabetes Annual Meeting* in virtual setting (2020).
2. **Luke Johnston**, Signe Toft Andersen, Morten Charles, Marit E. Jørgensen, Troels S. Jensen, Lasse Bjerg, Daniel R. Witte. 'A data-driven approach at characterizing heterogeneity in neuropathy assessments'. *European Diabetes Epidemiology Group Annual Meeting* in Mondorf-les-Bains, Luxembourg (2019). DOI: 10.6084/M9.FIGSHARE.80824
3. **Luke W. Johnston**, Zhen Liu, Ravi Retnakaran, Stewart B. Harris, Richard P. Bazinet, Anthony J. Hanley. 'Specific clusters of fatty acids (FA) across multiple serum lipid fractions underlie pathophysiological features of type 2 diabetes in the Canadian Prospective Metabolism and Islet Cell Evaluation (PROMISE) cohort'. *European Diabetes Epidemiology Group Annual Meeting* in Helsingør, Denmark (2018). DOI: 10.6084/m9.figshare.6159293.
4. **Luke W. Johnston**, Liu Zhen, Ravi Retnakaran, Stewart B Harris, Bernard Zinman, Richard P. Bazinet, Anthony J. Hanley. 'Leg length, a marker of early childhood conditions, associates with specific clusters of serum fatty acids'. *Annual Meeting of the European Association for the Study of Diabetes* in Berlin, Germany (2018).
5. **Luke W. Johnston**, Christine Lee, Stewart B. Harris, Ravi Retnakaran, Bernard Zinman, Richard P. Bazinet, Anthony J. Hanley. 'Serum Non-Esterified Fatty Acid (NEFA) Concentration is Associated with Longitudinal Progression of Beta-Cell Dysfunction: Prospective Metabolism and Islet Cell Evaluation (PROMISE) Cohort'. *Diabetes* (2015). DOI: 10.6084/m9.figshare.1545566.

POSTER PRESENTATIONS

1. **Luke W. Johnston**, Ravi Retnakaran, Stewart B. Harris, Zhen Liu, Richard P. Bazinet, Anthony J. Hanley. 'Fatty Acids Produced by De Novo Lipogenesis (DNL) of Refined Carbohydrates are Associated with Worsening of Metabolic Syndrome (MetS) Components: The Prospective Metabolism and Islet Cell Evaluation (PROMISE) Cohort'. *Diabetes* (2017). DOI: 10.2337/db17-1489-1795.
2. **Luke W. Johnston**, Ravi Retnakaran, Stewart Harris, Bernard Zinman, Zhen Liu, Richard P. Bazinet, Anthony J. Hanley. 'Triglyceride Fatty Acid (TGFA) Composition Longitudinally Associates with Changes in Insulin Sensitivity (IS) and Beta-Cell Function Over 6-yrs in the Prospective Metabolism and Islet Cell Evaluation (PROMISE)

Cohort'. *Diabetes* (2016). DOI: 10.2337/db16-1375-1656.

3. **L. W. Johnston**, S. Kayaniyil, C. Lee, S. B. Harris, R. Retnakaran, B. Zinman, R. P. Bazinet, A. J. Hanley. 'Lower Serum Non-Esterified Eicosapentaenoic Acid (EPA) Is Associated with Insulin Resistance: PROspective Metabolism and ISlet Cell Evaluation (PROMISE) Cohort'. *Diabetes* (2014).
4. **L. W. Johnston**, S. B. Harris, R. Retnakaran, H. C. Gerstein, J. Hamilton, B. Zinman, A. J. Hanley. 'The association of leg length with metabolic abnormalities underlying type 2 diabetes mellitus: The PROMISE cohort'. *Diabetes* (2013).
5. **Luke W. Johnston**, Christine Lee, Stewart B. Harris, Ravi Retnakaran, Bernard Zinman, Richard P. Bazinet, Anthony J. Hanley. 'Serum Non-Esterified Fatty Acid (NEFA) Composition and Longitudinal Associations with Beta-Cell Dysfunction'. *International Diabetes Federation World Diabetes Congress in Vancouver, Canada* (2015).
6. **L. Johnston**, R. D. Kennedy, G. T. Fong. 'An Environmental Scan of Tobacco Control Policies on University Campuses in Ontario'. *Tobacco Control for the 21st Century in Toronto, Canada* (2008).

OTHER CONFERENCE PRESENTATIONS

1. Shahan Yashpal, Angela D. Liese, Lynne E. Wagenknecht, Steven M. Haffner, **Luke W. Johnston**, Beatrice Boucher, Richard P. Bazinet, Marian Rewers, Jerome I. Rotter, Steve M. Watkins, Anthony Hanley. 'Metabolomic Profiling of the Dietary Approaches to Stop Hypertension (DASH) Diet: Novel Insights for the Nutritional Epidemiology of Type 2 Diabetes Mellitus (T2DM)'. *Diabetes* (2019). DOI: 10.2337/db19-1576-p.
2. Windy Z.N. Wang, David E. Cole, **Luke W. Johnston**, Betty Y.L. Wong, Lei Fu, Ravi Retnakaran, Stewart B. Harris, Bernard Zinman, Anthony J. Hanley.. 'Urinary Vitamin D Binding Protein as a Potential Biomarker for Nephropathy in Subjects at Risk for Type 2 Diabetes: The Prospective Metabolism and Islet Cell Evaluation (PROMISE) Cohort Study.'. *Diabetes* (2017). DOI: 10.2337/db17-1489-1795.
3. Z. Semnani-Azad, P. W. Connelly, **L. W. Johnston**, R. Retnakaran, S. B. Harris, B. Zinman, A. J. Hanley. 'Longitudinal Associations of Soluble CD163 with Insulin Sensitivity and Beta-Cell Function: The Prospective Metabolism and Islet Cell Evaluation (PROMISE) Cohort'. *Diabetes* (2017). DOI: 10.2337/db17-1489-1795.
4. Ingrid D. Santaren, Richard P. Bazinet, Zhen Liu, **Luke W. Johnston**, Ravi Retnakaran, Stewart B. Harris, Bernard Zinman, Anthony J. Hanley. 'Serum Fatty Acids Derived from Dairy Consumption Are Associated with Insulin Sensitivity and Beta-cell Function: The PROspective Metabolism and ISlet Cell Evaluation (PROMISE) Cohort'. *Diabetes* (2016). DOI: 10.2337/db16-1-381.
5. Zhila Semnani-Azad, **Luke W. Johnston**, Stewart B. Harris, Ravi Retnakaran, Bernard Zinman, Philip W. Connelly, Anthony J. Hanley.. 'Multivariate Determinants of Reduced Insulin Clearance in Prospective Metabolism and Islet Cell Evaluation (PROMISE) Cohort'. *Diabetes* (2016). DOI: 10.2337/db16-1375-1656.
6. Zhila Semnani-Azad, Philip W Connelly, Ravi Retnakaran, Stewart B Harris, Bernard Zinman, **Luke W Johnston**, Richard P Bazinet, Anthony J Hanley. 'Adipose Tissue Insulin Resistance and Inflammation Are Independently Associated With Dysglycemia'. *ObesityWeek* in Las Vegas, USA (2019).
7. Zhila Semnani-Azad, Phil W. Connelly, **Luke W. Johnston**, Ravi Retnakaran, Stewart B Harris, Bernard Zinman, Anthony J Hanley. 'Longitudinal Associations of Soluble CD163 with Insulin Sensitivity and Beta-Cell Function: The Prospective Metabolism and Islet Cell Evaluation (PROMISE) Cohort'. *European Diabetes Epidemiology Group Meeting in Helsingør, Denmark* (2018).
8. Ingrid D. Santaren, Richard P. Bazinet, Zhen Liu, **Luke W. Johnston**, Ravi Retnakaran, Stewart B. Harris, Bernard Zinman, Anthony J. Hanley. 'Combining dietary and biomarker data to evaluate associations of dairy intake with risk of type 2 diabetes (T2DM): The PROspective Metabolism and ISlet cell Evaluation (PROMISE) cohort'. *European Diabetes Epidemiology Group Annual Meeting in Helsingør, Denmark* (2018).
9. I. D. Santaren, R. Bazinet, Z. Liu, **L. W. Johnston**, R. Retnakaran, S. B. Harris, B. Zinman, A. J. Hanley. 'Serum Fatty Acids Derived from Dairy Consumption Are Associated with Longitudinal Changes in Insulin Sensitivity and Beta-cell Function: The Prospective Metabolism and Islet Cell Evaluation (PROMISE) Cohort'. *35th International Symposium on Diabetes and Nutrition* in Skagen, Denmark (2017).
10. Z. Semnani-Azad, P. W. Connelly, **L. W. Johnston**, R. Retnakaran, S. B. Harris, B. Zinman, A. J. Hanley. 'Longitudinal Associations of Soluble CD163 with Insulin Sensitivity and Beta-Cell Function: The Prospective Metabolism and Islet Cell Evaluation (PROMISE) Cohort'. *4th Annual BBDC-Joslin-UCPH Conference* in Toronto, Canada (2017).
11. Zhila Semnani-Azad, Philip W Connelly, **Luke W Johnston**, Anthony J Hanley. 'Determinants of Longitudinal Change in sCD163, a Biomarker of Adipose Tissue Macrophage Activation'. *ObesityWeek* in Washington, DC, USA (2017).
12. Madeleine Bonsma, Lina Tran, Lindsay Coome, **Luke Johnston**. 'Study Groups - Crossing the Boundaries of Discipline'. *Mozilla Festival* in London, UK (2016).

13. R. D. Kennedy, **L. W. Johnston**, C. Munhall, S. Filsinger. 'Secondhand Smoke in Common Spaces of Public Housing – Findings from Waterloo Region'. *7th National Conference on Tobacco or Health, Making the Connection: Knowledge Transforming Health* in Waterloo, Canada (2011).
14. C. Munhall, R. W. Kennedy, **L. W. Johnston**, E. Steibelt, A. Trusler. 'An Environmental Scan of Tobacco-free Policies of YMCA & YWCA Locations in Ontario, Canada'. *17th Annual Meeting of the Society on Research on Nicotine and Tobacco* in Toronto, Canada (2011).
15. A. W. Howard, **L. Johnston**, L. Rothman. 'Probability of Multiple Fractures in Childhood Session'. *Safety 2010 World Conference* in London, UK (2010).
16. R. D. Kennedy, **L. W. Johnston**, G. T. Fong, A. Hyland, M. Travers. 'Experimental Evaluation of Outdoor and Adjacent Indoor Tobacco Smoke Pollution in Doorways'. *14th World Conference on Tobacco or Health* in Mumbai, India (2009).
17. R. D. Kennedy, G. T. Fong, M. Travers, A. Hyland, **L. Johnston**, S. Mutti. 'Experimental Evaluation of Tobacco Control Policies in Outdoor Environments'. *Tobacco Control for the 21st Century* in Toronto, Canada (2008).

PANEL MEMBER

1. Daniela Saderi, Grant R. Vousden-Dishington, Lucy Patterson, **Luke Johnston**. 'Community Building'. *Working Open Workshop, Mozilla Science Lab* in Montreal, Canada (2017).

PUBLISHED R PACKAGES

2019	posterdown: Generate PDF Conference Posters Using R Markdown (contributor)	CRAN
2016	prodigenr: Research Project Directory Generator (creator)	CRAN
2014	broom: Convert Statistical Analysis Objects into Tidy Tibbles (contributor)	CRAN
2016	carpenter: Build Common Tables of Summary Statistics for Reports (creator)	CRAN
2016	mason: Build Data Structures for Common Statistical Analysis (creator)	CRAN

TEACHING EXPERIENCE

Aarhus University Community of Researchers Using Open Software

Aarhus, Denmark

INSTRUCTOR AND FOUNDER FOR PEER-LED, PARTICIPATORY LIVE CODING R TRAINING SESSIONS (ANYONE)

2018 – present

Danish Diabetes Academy

Denmark

LEAD INSTRUCTOR FOR REPRODUCIBLE RESEARCH IN R: AN INTERMEDIATE WORKSHOP ON MODERN APPROACHES AND WORKFLOWS TO PROCESSING DATA (PHD AND POSTDOCS)

2020

Danish Diabetes Academy

Denmark

LEAD INSTRUCTOR FOR REPRODUCIBLE RESEARCH IN R: AN INTRODUCTORY WORKSHOP ON MODERN DATA ANALYSES AND WORKFLOWS (PHD AND POSTDOCS)

2020

Aarhus University

Aarhus, Denmark

LEAD INSTRUCTOR FOR SOFTWARE CARPENTRY WORKSHOP (ANYONE)

2019

German Institute of Human Nutrition Potsdam-Rehbruecke

Potsdam, Germany

LEAD INSTRUCTOR FOR REPRODUCIBLE QUANTITATIVE ANALYSES AND WORKFLOWS USING R (PHD AND POSTDOCS)

2019

Danish Diabetes Academy

Denmark

LEAD INSTRUCTOR FOR REPRODUCIBLE QUANTITATIVE METHODS: DATA ANALYSIS WORKFLOW USING R (PHD AND POSTDOCS)

2019

TIB Leibniz Information Centre for Science and Technology and University Library

Hannover, Germany

INSTRUCTOR FOR FAIR DATA AND SOFTWARE WORKSHOP (ANYONE)

2018

Department of Ecology and Evolutionary Biology, University of Toronto

Toronto, Canada

TEACHING ASSISTANT FOR THEORETICAL ECOLOGY AND REPRODUCIBLE QUANTITATIVE METHODS IN R (EEB430) (UNDERGRADUATE)

2017

Department of Nutritional Sciences, University of Toronto

Toronto, Canada

TEACHING ASSISTANT FOR PUBLIC HEALTH NUTRITION (NFS1201) (GRADUATE)

2017

Software Carpentry INSTRUCTOR FOR SOFTWARE CARPENTRY WORKSHOPS (R) (ANYONE)	Toronto, Canada 2017
Software Carpentry HELPER FOR SOFTWARE CARPENTRY WORKSHOPS (PYTHON) (ANYONE)	Toronto, Canada 2017
Software Carpentry and UofTCoders HELPER FOR SOFTWARE CARPENTRY WORKSHOPS (R) (ANYONE)	Toronto, Canada 2017
Department of Nutritional Sciences, University of Toronto TEACHING ASSISTANT FOR BASIC HUMAN NUTRITION (NFS284) (UNDERGRADUATE)	Toronto, Canada 2017
Software Carpentry INSTRUCTOR FOR SOFTWARE CARPENTRY WORKSHOPS (R) (ANYONE)	Toronto, Canada 2016
Department of Nutritional Sciences, University of Toronto TEACHING ASSISTANT FOR ADVANCED NUTRITION (NFS484-1484) (MIXED GRADUATE AND UNDERGRADUATE)	Toronto, Canada 2016
CUPE3902 Unit 5 HELPER FOR CUPE3902 POST-DOC PYTHON WORKSHOPS (POST-DOCS)	Toronto, Canada 2016
Code As Manuscript INSTRUCTOR FOR DEPARTMENTAL R WORKSHOPS (ANYONE)	Toronto, Canada 2016 – 2017
Software Carpentry INSTRUCTOR FOR SOFTWARE CARPENTRY WORKSHOPS (PYTHON) (ANYONE)	Toronto, Canada 2016
Software Carpentry HELPER FOR SOFTWARE CARPENTRY WORKSHOPS (R) (ANYONE)	Toronto, Canada 2016
Department of Nutritional Sciences, University of Toronto TEACHING ASSISTANT FOR PUBLIC HEALTH NUTRITION (NFS1201) (GRADUATE)	Toronto, Canada 2015
Software Carpentry INSTRUCTOR FOR SOFTWARE CARPENTRY WORKSHOP (R) (ANYONE)	Toronto, Canada 2015
UofTCoders, University of Toronto INSTRUCTOR AND ONE OF THE CO-FOUNDERS FOR PEER-LED, PARTICIPATORY LIVE CODING TRAINING SESSIONS (ANYONE)	Toronto, Canada 2015 – 2018
Software Carpentry TEACHING HELPER FOR SOFTWARE CARPENTRY WORKSHOP (R) (ANYONE)	Toronto, Canada 2015
Software Carpentry TEACHING HELPER FOR SOFTWARE CARPENTRY WORKSHOP (PYTHON) (ANYONE)	Toronto, Canada 2014
Graduate Professional Skills Program, University of Toronto INSTRUCTOR AND FOUNDER FOR CODE AS MANUSCRIPT: R AND SAS CODING WORKSHOPS (GRADUATE)	Toronto, Canada 2014 – 2015
Department of Nutritional Sciences, University of Toronto TEACHING ASSISTANT FOR ADVANCED NUTRITION (NFS484-1484) (GRADUATE)	Toronto, Canada 2014
Department of Nutritional Sciences, University of Toronto TEACHING ASSISTANT FOR ADVANCED NUTRITION (NFS484-1484) (GRADUATE)	Toronto, Canada 2013

SUPERVISION EXPERIENCE

Department of Nutritional Sciences, University of Toronto
MASTER'S STUDENT

Toronto, Canada
2017 – 2018

Department of Nutritional Sciences, University of Toronto
UNDERGRADUATE STUDENT

Toronto, Canada
2014 – 2015

CURRICULUM DEVELOPMENT (ARCHIVED WITH DOI)

1. **Luke W. Johnston**, Helene Bæk Juel, Bettina Lengger, Daniel R. Witte. 'rostoools/r-cubed: Reproducible Research in R - An introductory workshop on modern data analyses and workflows'. (2020). URL: <https://r-cubed.rostoools.org/>. DOI: 10.5281/zenodo.3921894.
2. **Luke Johnston**, Omar Silverman-Retana, Andreas Eiset, Signe Storgaard. 'r-cubed: Reproducible Research in R - An Intermediate Workshop on Modern Approaches and Workflows to Processing Data'. (2020). URL: <https://r-cubed-intermediate.rostoools.org/>. DOI: 10.5281/zenodo.4061900.
3. **Luke W Johnston**, Daniel R Witte, João Santiago, Anna Schritz. 'Reproducible Quantitative Methods: Data analysis workflow using R'. (2019). URL: <https://dda-rcourse.lwjohnst.com/>. DOI: 10.5281/zenodo.2603311.
4. **Luke W Johnston**. 'acdcourse: Analyzing Cohort Datasets with R'. (2019). URL: <https://github.com/lwjohnst86/acdcourse>. DOI: 10.5281/zenodo.3247819.
5. **Luke W Johnston**, Madeleine Bonsma-Fisher, Joel Ostblom, Ahmed Hasan, James Santangelo, Lindsay Coome, Lina Tran, Elliott Sales De Andrade, Sara Mahallati. 'UofTCoders/rcourse: Quantitative Methods in R for Biology'. (2019). URL: <https://uoftcoders.github.io/rcourse/>. DOI: 10.5281/zenodo.1117432.
6. Katrin Leinweber, Angelina Kraft, Mateusz Kuzak, **Luke Johnston**, Martin Hammitzsch, Konrad Förstner. 'FAIR Data and Software: A Carpentries-based workshop'. (2018). DOI: 10.5281/zenodo.3707744.

OTHER CURRICULUM DEVELOPMENT

TIB Leibniz Information Centre for Science and Technology and University Library

Hannover, Germany

FAIR DATA AND SOFTWARE ([HTTPS://TIBHANNOVER.GITHUB.IO/2018-07-09-FAIR-DATA-AND-SOFTWARE/](https://tibhannover.github.io/2018-07-09-FAIR-DATA-AND-SOFTWARE/))

2018

- <https://tibhannover.github.io/2018-07-09-FAIR-Data-and-Software/>

Department of Ecology and Evolutionary Biology, University of Toronto, Canada

Toronto, Canada

THEORETICAL ECOLOGY AND REPRODUCIBLE QUANTITATIVE METHODS IN R (EEB430)

2017

([HTTPS://UOFTCODERS.GITHUB.IO/RCOURSE/](https://uoftcoders.github.io/rcourse/))

- <https://uoftcoders.github.io/rcourse/>

Graduate Professional Skills Program, University of Toronto

Toronto, Canada

CODE AS MANUSCRIPT: DATA WRANGLING, VISUALIZATION, AND REPRODUCIBILITY IN R ([HTTP://CODEASMANUSCRIPT.ORG](http://codeasmanuscript.org))

2014 – 2015

- <http://codeasmanuscript.org>

AWARDS

2019	Danish Diabetes Academy Postdoctoral Fellowship from Danish Diabetes Academy	<i>Denmark</i>
2017	Michael C. Archer Research Excellence Award from University of Toronto	<i>Toronto, Canada</i>
2017	Marie Skłodowska-Curie Master Class and Travel Fund from Aarhus University	<i>Aarhus, Denmark</i>
2017	Working Open Workshop and Travel Scholarship from Mozilla Science Lab	<i>Montreal, Canada</i>
2017	Gordon Cressy Student Leadership Award from University of Toronto	<i>Toronto, Canada</i>
2012	Ontario Graduate Scholarship from Government of Ontario	<i>Toronto, Canada</i>
2013	Trainee Travel Award from Banting and Best Diabetes Centre	<i>Toronto, Canada</i>
2013	Ontario Graduate Scholarship from Government of Ontario	<i>Toronto, Canada</i>
2014	Trainee Travel Award from Banting and Best Diabetes Centre	<i>Toronto, Canada</i>
2014	Conference Travel Grant from School of Graduate Studies, University of Toronto	<i>Toronto, Canada</i>
2014	Alumni Travel Award from Department of Nutritional Sciences, University of Toronto	<i>Toronto, Canada</i>
2014	New Investigator Award from International Society for the Study of Fatty Acids and Lipids	<i>Stockholm, Sweden</i>
2014	Doctoral Student Research Award from Canadian Diabetes Association	<i>Toronto, Canada</i>
2014	Graduate Novo Nordisk Studentship from Banting and Best Diabetes Centre	<i>Toronto, Canada</i>
2014	Margaret and Nicholas Fodor Fellowship from School of Graduate Studies, University of Toronto	<i>Toronto, Canada</i>
2014	Ontario Graduate Scholarship from Government of Ontario	<i>Toronto, Canada</i>
2015	Trainee Travel Award from Banting and Best Diabetes Centre, University of Toronto	<i>Toronto, Canada</i>

EMPLOYMENT

Steno Diabetes Center Aarhus

DDA POSTDOCTORAL RESEARCHER

Aarhus, Denmark

2019 – present

Department of Public Health, Aarhus University

POSTDOCTORAL RESEARCHER

Aarhus, Denmark

2018 – 2019

Department of Nutritional Sciences, University of Toronto

POSTDOCTORAL FELLOW

Toronto, Canada

2017 – 2018

Propel Center for Population Health Impact, University of Waterloo

RESEARCH ASSISTANT

Waterloo, Canada

2011

Health Psychology Lab, University of Waterloo

RESEARCH ASSISTANT

Waterloo, Canada

2010

Child Health Evaluative Sciences, Hospital for Sick Children

RESEARCH ASSISTANT

Toronto, Canada

2009

Toronto Rehabilitation Institute

RESEARCH ASSISTANT

Toronto, Canada

2009

Health Psychology Lab

RESEARCH ASSISTANT

Waterloo, Canada

2008

Health Psychology Lab

PROJECT MANAGER

Waterloo, Canada

2008