



**Queen's Research
Data Centre (QRDC)**
Annual Report

January 1 to December 31

2017

Queen's Research Data Centre (QRDC)

Table of Contents

Executive Summary

Section One: RDC Information

- a) RDC Contact Information
- b) RDC Staff
- c) Management Committee
- d) RDC Partnerships and Branches
- e) Operating Hours

Section Two: RDC Activities

- a) Projects Started, Withdrawn and Ended
- b) Summary of Project Output
- c) Average Monthly Research Activity
- d) Summary of Substantive Comments on Publications
- e) Summary of Major Media Coverage of Research
- f) Focus of Research
- g) Summary of Project Statuses in Survey

Section Three: RDC Knowledge Mobilization Activities

- a) Teaching and Training Activities
- b) RDC Outreach
- c) Substantive Comments and Summary of Knowledge Mobilization Activities Within the RDC
- d) Vignette(s)

Section Four: RDC Researchers

- a) Student Training and Employment
- b) Researcher Employment Status
- c) All Researcher Disciplines
- d) Student Researcher Disciplines
- e) Government Agency Partnerships
- f) Research Network Involvement
- g) Collaboration, Funding and Partnerships
- h) Collaborations with NGOs
- i) Research Chairs
- j) Non-Government, Non-University Funding Agencies
- k) Software Use in the RDC

Section Five: Achievements, Challenges and Objectives

- a) Summary of Major Achievements and Challenges in the Past Year
- b) Summary of Major Challenges and Objectives in the Next Year

Section Six: RDC Operating Budget – Revenue and Expenses

- a) RDC Operating Budget – Revenue
- b) RDC Operating Budget – Expenses
- c) RDC Operating Budget – Summary of Contributions

Section Seven: Complete List of RDC Output

Executive Summary

Increase to QRDC Hours

Additional opening hours were requested by QRDC researchers in March 2017. Following a review of the budget, QRDC opening hours were increased by 3.75 hours per week (a ½ day). Consultations with researchers and the QRDC Analyst resulted in Mondays being selected as the best time for the additional 3.75 hours. This change was effective April 2017.

Staffing Changes

The Academic Directorship of the QRDC changed in 2017. Jeff Moon, the previous director, was seconded away from Queen's University in September 2017, and Graeme Campbell has been replacing him as Academic Director since that time.

As noted above, in April 2017 the QRDC opening hours increased by 3.75 hours per week. This increased the QRDC Analyst from a 0.5 FTE to 0.6 FTE position.

Teaching and Outreach

The QRDC Analyst and Academic Director developed an introduction to the QRDC, delivered by the Analyst on April 6th, 2017 to Economics Department PhD Students.

The QRDC Analyst also held an introductory session to introduce the QRDC to new MA and PhD students in the Economics Department in September 2017.

QRDC Website

Because of a change in web hosting service provider, the QRDC website moved from queensrdc.othree.ca to queensrdc.igloocommunities.com.

QRDC Advisory Committee

The committee welcomed several new members in 2017. Jennifer Doyle joined as Queen's CIO & Associate VP (Information Technology); Cynthia Fekken joined as Queen's Associate VP (Research); and Andrea Craig joined as the new graduate student representative.

The QRDC Advisory Committee was convened once in May 2017. During the on-boarding of the new Academic Director, in the Fall of 2017, communication occurred virtually and a meeting was not convened.

Information Technology

The Economics department at Queen's contributed a workstation to the QRDC to help improve processing time and success for their researchers. There were challenges involved with integrating the workstation into the existing QRDC infrastructure, but it was operational by early 2018, with reported satisfaction with the resulting improvements.

Section One: RDC Information

a) QRDC Contact Information

Queen's Research Data Centre

Room 007, Stauffer Library
 Queen's University, 101 Union Street
 Kingston ON K7L 3N6
 Phone: 613-533-6224
 Website: <https://queensrdc.igloocommunities.com/>
 Email: qrdc@queensu.ca

Table 1b: QRDC Staff				
Name	Position	Contact Information	FTE (Students)	FTE (Non-students)
Dong Shen	StatCan RDC Analyst	qrdc@queensu.ca 613-533-6224		0.6
Jing (Jean) Liang & Zhe Yang	Statistical Assistants	qrdc.assistant@queensu.ca	0.15	
Jeff Moon (Jan-Sep 2017) & Graeme Campbell (Sep-Dec 2017)	Academic Director	graeme.campbell@queensu.ca 613-533-6000 x75798		0.15
Martha Whitehead; Nancy Petri; Emily Xu; Alex Cooper	Administrative Staff	martha.whitehead@queensu.ca petrin@queensu.ca emily.xu@queensu.ca coopera@queensu.ca		0.254
Sean Allen; Shea Donoghue (Jan-Sep)	IT Support	sallen@queensu.ca ; shea.donoghue@queensu.ca		varies

Table 1c: QRDC Advisory Committee Members (as of December 2017)		
Name	Institution	Position
Andrea Craig	Economics	Graduate Student
Christopher Ferrall	Economics	Professor
Cynthia Fekken	Office of the VP (Research)	Associate VP Research
Graeme Campbell	Library	Academic Director, QRDC
Ian Michael Janssen	Kinesiology and Health Studies; Community Health and Epidemiology	Professor
Jean-Etienne de Bettignies	Business	Professor
Jennifer Doyle	IT Services	CIO & Associate VP (Information Technology)
Karina McInnis	University Research Services	Executive Director
Marta Strasnicky	English	Associate Dean (Graduate Studies)
Martha Whitehead	Library	Vice-Provost (Digital Planning) & University Librarian
Ex-Officio Members		
Dong Shen	Statistics Canada	QRDC Analyst

d) RDC Partnerships and Branches

n/a

e) Operation of the RDC

The Centre is open 22.5 hours per week:

10:00 AM until 1:45 PM, Monday

10:00 AM until 4:45 PM, Tuesday–Thursday (Closed for lunch 12:45 – 1:15 PM)

14 workstations are available to researchers.

f) Physical Space

The QRDC occupies 918.41 square feet.

Section Two: QRDC Activities

Table 2a: Projects Started, Withdrawn and Ended			
	Projects Started	Projects Withdrawn	Projects Timed Out
2017	14	1	6

Source: CRDCN Researchers Survey

Table 2b: Summary of Activity in 2017			
Rating	Output	Un-weighted Total	Weighted Total
0.5	Completed Projects	4	2
2.0	Books		
1.0	Edited Books		
1.0	Book Chapters		
1.5	Refereed Articles		
0.5	Working Papers		
1.0	Policy Reports		
2.0	PhD Theses		
1.0	MA Theses	3	3
0.5	Undergrad Theses		
2.0	Full Year Course (6 credits)		
1.0	Semester Course (3 credits)		
0.5	RDC Data in Conference Presentations or invited Talks (same presentations may be counted only once)	14	7
2.0	CRDCN Annual Conference Organization		
0.5 to 1.0	Organize Conference Sessions, Workshops, Symposia		
	Total	21	12

Source: CRDCN Researchers Survey (Completed Projects), CRDCN Bibliography (Books to Undergrad Theses), RDC (Courses, Conferences and Workshops)

Table 2c: Average Monthly Research Activity in 2017			
	Contracts	Raw Dyads	Adjusted Dyads
QRDC	21.3	60.2	113.9

Source: Statistics Canada RDC Program Manager's Report, Table 1

Box 2d: Summary of Substantive Comments on Publications

None to report.

Box 2e: Summary of Major Media Coverage of Research

None to report.

Table 2f: Focus of Research, 2012-2017		
Focus	Number of Projects	% of Total
Aging	1	2.2
Education	10	21.7
Family and Children	4	8.7
Financial Security		
Health	13	28.3
Immigration	2	4.3
Labour Force	8	17.4
Other	8	17.4
Total Number of Projects	46	100

Source: CRDCN Researchers Survey. Please use “Table 2f – Focus of Research” to populate this table, and “Table 2f – Other Foci of Research” to note any other oft-mentioned foci of research.

Other foci include: Urban Economics, Productivity, Innovation, Access to Government Information, Income Taxation, Firm Performance Strategy, and Regional Growth

Table 2g: Status of Projects in Survey, 2012-2017	
Status	Number of Projects
1. Project ongoing, more output possible	18
2. Project ongoing, no more output expected	1
3. Project complete, further output possible	9
4. Project complete, no more output expected	90

Source: CRDCN Researchers Survey

Section Three: RDC Knowledge Mobilization Activities

Table 3a: Teaching and Training Activities in 2017		
Courses or Training sessions	Number	Approximate number of participants
Summer school (1 or 2 week sessions)		
Training sessions or Workshops (1 or 2 days)		
Data seminars		
RDC promotion	2	65
Full year graduate or undergraduate course (6 credits)		
Semester graduate or undergraduate course (3 credits)		
Other, specify _____		
Total	2	65

Source: RDC

Table 3b: QRDC Outreach in 2017	
RDC-based publications (e.g. newsletters, working papers, research summaries or highlights, synthesis reports)	
Training sessions and research seminars or conference hosted by the RDC (e.g. workshops, brown bag luncheons, symposia)	
RDC-related outreach activities (e.g. meetings with public officials and other stakeholders)	
RDC-related media mentions	
RDC website (e.g. number of visitors)	Website page views: 39336 Document downloads: 3141
Other (e.g. blogs, tweets. Please specify)	

Source: RDC

Box 3c: Substantive Comments and Summary of Knowledge Mobilization

Projects undertaken in the Queen's RDC analyzed data related to the economy, business, socio-economic issues, and health. Outputs from these projects will increase understanding of these topics and potentially inform policy-making.

Source: RDC

Box 3d: Vignette

Housing Price Network Effects from Public Transit Investment: Evidence from Vancouver

In this paper, we estimate the effect on housing prices of the expansion of the Vancouver SkyTrain rapid transit network during the period 2001–11. We extend the canonical residential sorting equilibrium framework to include commuting time in the household utility function. We estimate household preferences in the sorting model using confidential micro data and geographic information systems (GIS) data on the SkyTrain network. Using these preference estimates and observed data for 2001, we simulate the equilibrium effects of expanding the SkyTrain. In our counterfactual analysis, the SkyTrain expansion increases housing prices not only in neighborhoods where the expansion occurred, but also in those with access to pre-existing segments of the network. We show how these network housing price effects depend on household commuting patterns, and discuss the implications of our results for targeted taxation policies designed to capture the housing price appreciation stemming from a public transit investment.

Source: RDC

Section Four: QRDC Researchers

Table 4a: Student Training and Employment in 2017				
	Number of Students	Number of Students Using RDC Data in Their Thesis	Number of Students Employed on One or More Projects	Theses Completed in 2017
Undergraduate	2	2	0	0
Masters	10	8	0	3
Doctoral	12	7	2	0

Source: CRDCN Researchers Survey (Columns 1 to 3), CRDCN Bibliography / Section Seven of the Annual Report (These Completed)

Table 4b: Researcher Employment Status in 2017	
Position/Role	Number of Researchers
Assistant professor	8
Associate professor	8
Federal government researcher	2
Full professor	7
Independent or other researcher	5
Masters student	5
PhD student	12

Source: CRDCN Researchers Survey

Table 4c: All Researcher Disciplines in 2017	
Academic Discipline	Number of Researchers
Economics	32
Geography / Urbanism	1
Industrial Relations / Management	5
Other Social Sciences	1
Psychology / Psychiatry	1
Public Health / Epidemiology	6

Source: CRDCN Researchers Survey

Table 4d: Student Researcher Disciplines in 2017	
Academic Discipline	Number of Students
Economics	11
Industrial Relations / Management	1
Public Health	4

Source: CRDCN Researchers Survey

Table 4e: Government Agency Partnerships in 2017	
Government Agency	Number of Researchers
N/A	

Source: CRDCN Researchers Survey

Table 4f: Research Network Involvement in 2017	
Research Network	Number of Researchers
N/A	

Source: CRDCN Researchers Survey

Table 4g: Collaboration, Funding and Partnerships in 2017		
	Number of Projects	
	Yes	No
Collaborated with NGOs	0	14
Research Chair Holder	8	8
Received Government Funding	5	9
Received University Funding	8	7

Source: CRDCN Researchers Survey

Table 4h: Collaboration with NGOs in 2017	
NGO	Number of Projects
N/A	

Source: CRDCN Researchers Survey

Table 4i: Research Chairs in 2017	
Research Chair	Number of Projects
Julian Barling Borden Chair of Leadership	1
Heather Castleden Canada Research Chair in Reconciling Relations for Health, Environments, and Communities	1
Ian Janssen Canada Research Chair in Physical Activity and Obesity	1
Mark Rosenberg Canada Research Chair in Development Studies	1
Heather Stuart Bell Canada Mental Health and Anti-Stigma Research Chair	4

Source: CRDCN Researchers Survey

Table 4j: Non-Government, Non-University Funding Agencies in 2017

Funding Agency	Number of Projects
SSHRC (Social Sciences and Humanities Research Council)	1
CIHR (Canadian Institutes of Health Research)	1

Source: CRDCN Researchers Survey

Table 4k: Software Use, 2015-2017**Software use by the 46 projects answering the Software Section of the survey**

Software Name	Number of Projects	Percentage
STATA	40	86.95
Microsoft Office	28	60.86
MiKTeX	17	36.95
Adobe Acrobat Reader and Pro	9	19.56
SAS	7	15.21
7zip	5	10.86
ArcGIS	3	6.52
MATLAB	3	6.52
TeXnic Center	3	6.52
Internet Explorer	2	4.34
Notepad++	2	4.34
SPSS	2	4.34
Stat/Transfer	2	4.34
WinZip	2	4.34
Beyond 20/20	1	2.17
GAUSS	1	2.17
Mplus	1	2.17
SLIDRet	1	2.17

Source: CRDCN Researchers Survey

Section Five: Achievements, Challenges and Objectives

Box 5a: Summary of Major Achievements and Challenges in 2017

Achievements

- The QRDC added 3.75 hours per week to its opening hours effective April 2017
- The QRDC Analyst (Dong Shen) and Academic Director (Jeff Moon) developed an introduction to the QRDC, delivered by the Analyst on April 6th, 2017 to Economics Department PhD Students.

Challenges

QRDC Hours

In late March 2017, StatCan regional management indicated a need to increase QRDC staffing to allow for an additional 1.5 days of opening hours to meet current activity levels. While the activity levels (measured in dyads) have actually been generally stable for the past few years, StatCan indicated that additional administrative requirements for the Analyst necessitated the increase in hours.

The Academic Director and StatCan representative(s) had frank and fruitful discussions on the matter. Given that the QRDC had recently implemented an increase of 0.5 days (3.75 hours) per week on its own initiative in response to research demand, it was agreed that the QRDC would move forward with its current staffing model and monitor activity levels so that staffing could be adjusted as needed.

QRDC Website

It was noted in last year's annual report that Igloo had agreed to continue to host the QRDC web pages at no cost, even after web services provided by ORION via its O3 program (using Igloo as a platform) were discontinued. While the "othree.ca" domain was kept active for a while after the sunset of the program, in late 2017 it was not renewed by ORION. This meant that the QRDC website could no longer use the URL queensrdc.othree.ca. The Igloo-hosted site continues to be available, just using their own non-custom domain, now with the URL queensrdc.igloocommunities.com.

Information Technology

Staffing changes within Queen's University IT Services affected the QRDC with respect to the provision of ongoing software and hardware support for the QRDC. This presented a variety of challenges and delays in the latter half of 2017. Progress was made during the early months of 2018 in the clarification of our collaboration, and our strong working relationship continues.

Box 5b: Summary of Major Challenges and Objectives in 2018

Challenges

QRDC Hours

Late in 2017, StatCan re-contacted the QRDC Academic Director with another staffing recommendation to increase QRDC hours in addition to the recent increase by 3.75 hours per week. Feedback from the most recent researcher survey also indicated that some researchers still find the current extent or schedule of QRDC open hours restrictive. Discussions of this matter will continue into 2018.

Information Technology

Feedback from the most recent researcher survey indicated some dissatisfaction with the processing power in the QRDC. While the local hardware infrastructure in the QRDC is quite old, the CRDCN plans to transition to a remotely-hosted secure cloud solution that would effectively replace the problematic aging QRDC hardware. It will be important to strike a balance between maintaining an acceptable level of current user experience and avoiding a duplication of effort and costs while attending to immediate issues that will be solved by the CRDCN's high-performance computing (HPC) solution.

Objectives

- Migration of the QRDC website to a Queen's University hosted solution
- Investigate options to improve researcher access to the QRDC while considering budget implications
- Investigate options to improve/upgrade existing QRDC IT infrastructure in advance of the implementation of the CRDCN's HPC solution

Section Six: RDC Operating Budget – Revenue and Expenses
Report for the Fiscal Year

Table 6a: QRDC Operating Budget – Revenue	
Source	Amount
University	\$ 88,726.96
SSHRC	\$ 36,354.00
CIHR	\$ 36,354.00
CFI	\$
Other-RDC-NCC	\$
HRSDC	\$
Fee for Service	\$
Other, specify	\$
Total Revenue	\$161,434.96

Source: RDC. Please enter amounts for the fiscal year (April 1 – March 31)

Table 6b: QRDC Operating Budget – Expenses			
	Amount		
	In Cash	In Kind	Total
Statistics Canada Services	\$ 96,574.00		\$ 96,574.00
Director Buy-Out of Time and Responsibilities		\$ 21,913.65	\$ 21,913.65
Secretarial and Administrative Staff		\$ 21,415.21	\$ 21,415.21
Translation Services			
Student Support for Longer Opening Hours			
Statistical and Methodological Services			
Supplies, Telephone, Security	\$ 979.00		\$ 979.00
Computer Software, Supplies and Licenses	\$ 28,104.00		\$ 28,104.00
Computer Assistance		\$ 8,500.00	\$ 8,500.00
Computer Depreciation and Replacement			
Local Governance, Conference, Receptions			
Workshops, Courses, Training			
Travel (not Directors or training)	\$ 6,455.00		\$ 6,455.00
Fellowship, Incentives Grants			
Dissemination (Website, Promotion of RDC)		\$ 1,157.10	\$ 1,157.10
Branch RDC's Annual Costs			
Other	\$ 203.00		\$ 203.00
Total	\$ 132,315.00	\$ 52,985.96	\$ 185,300.96

Source: RDC. Please enter amounts for the fiscal year (April 1 – March 31)

Table 6c: QRDC Operating Budget – Summary of Contributions	
Source of funds	Percentage of Contribution
Queen’s University	
	Cash Contributions – Operating
	22.14%
	In-kind Contributions
	32.82%
	Total for university
	54.96%
SSHRC/CIHR – Grant	
	45.04%
Other (please list)	
	0.00%
Total:	
	100.00%

Source: RDC. Please enter amounts for the fiscal year (April 1 – March 31)

Section Seven: Complete List of RDC Output

Source: The CRDCN bibliography for the Annual Report year

M.A. Theses

1. Arlanna Pugh (2017) Exploring the barriers and suggestions for improvement to delivering palliative health care services in four underserved rural Canadian settings Department of Public Health Sciences, Kingston, ON: Queen's University. (Project: 16-SSH-QUE-4880 / RDC(s): QUE)
2. Ian Richardson (2017) Stigma resistance: Exploring psychological well-being and its relationship to perceived stigma and help-seeking behavior in the general Canadian population Department of Public Health Sciences, Kingston, ON: Queen's University. (Project: 14-SSH-QUE-4138 / RDC(s): DAL, QUE)
3. Lyndsey Telega (2017) Exploring relationships between occupational prestige, perceived public stigma, mental health experiences of stigma, and professional help-seeking in the general Canadian population, Kingston, ON: Queen's University. (Project: 16-SSH-QUE-4900 / RDC(s): QUE)

Conference Presentations Using RDC Data

1. Conference Type: Talks or papers at academic conferences. Conference reference: Andrea Craig, 02JUN2017. Commute Mode and Residential Location Choice: Canadian Economic Association Meeting. Antigonish, Nova Scotia. (Project: 14-SSH-QUE-4133 / RDC(s): QUE)
2. Conference Type: Talks or papers at academic conferences. Conference reference: Andrea Craig, 25JUN2017. Commute Mode and Residential Location Choice: Western Economic Association International Annual Conference. San Diego. (Project: 14-SSH-QUE-4133 / RDC(s): QUE)
3. Conference Type: Talks or papers at academic conferences. PhD Seminar: Andrea Craig, 5OCT2017. Commute Mode and Residential Location Choice: Queen's University Economics Department (Project: 14-SSH-QUE-4133 / RDC(s): QUE)
4. Conference Type: Talks or papers at academic conferences. Conference reference: Andrea Craig, 11NOV2017. Commute Mode and Residential Location Choice: Annual North American Meetings of the Regional Science Association. Vancouver, BC. (Project: 14-SSH-QUE-4133 / RDC(s): QUE)
5. Conference Type: Talks or papers at academic conferences. Conference reference: Maggie Jones, 02JUN2017. Culture and the Intergenerational Transmission of Human Capital: Canadian Economics Association. St. FX, Antigonish. (Project: 15-INAC-QUE-4600 / RDC(s): QUE)

6. Conference Type: Talks or papers at academic conferences. PhD Seminar: Maggie Jones, 19OCT2017. Culture and the Intergenerational Transmission of Human Capital: Queen's University Economics Department (Project: 15-INAC-QUE-4600 / RDC(s): QUE)
7. Conference Type: Talks or papers at academic conferences. Economics Departmental Seminar: Maggie Jones, 9NOV2017. Exploring test gaps in education outcomes: Queen's University Economics Department (Project: 15-SSH-QUE-4659 / RDC(s): QUE)
8. Conference Type: Invited talks to academics. Conference reference: Alex Chernoff, 29AUG2017. Neighborhood Sorting and Public Transit Investment: RWI - Leibniz Institute for Economic Research. Essen, Germany. (Project: 16-SSH-QUE-4133-S001 / RDC(s): QUE, COOL)
9. Conference Type: Talks or papers at academic conferences. Conference reference: Arlanna Pugh, 01JUN2017. Health Care Service Utilization and Unmet Health Care Needs of Rural Indigenous Peoples in Canada: A Population-Based Study: Canadian Society of Epidemiology and Biostatistics. Banff, Alberta, Canada. (Project: 16-SSH-QUE-4880 / RDC(s): QUE)
10. Conference Type: Talks or papers at academic conferences. Conference reference: Nicole Haywood, 30MAY2017. Physical activity, sedentary time, sleep duration, and Self-Rated health in older adults: a compositional analysis: Canadian Society for Epidemiology and Biostatistics. Banff, Alberta. (Project: 16-SSH-QUE-4910 / RDC(s): QUE)
11. Conference Type: Talks or papers at academic conferences. PhD Seminar: Jason Adams, 2MAR2017. Labour market program efficacy: Evidence from Ontario Works: Queen's University Economics Department (Project: 14-OIS-QUE-4158 / RDC(s): QUE)
12. Conference Type: Talks or papers at academic conferences. PhD Seminar: Maggie Jones, 9MAR2017. Does the availability of post-secondary funding incentivize students to complete high school?: Queen's University Economics Department (Project: 15-DTS-QUE-4200-S007 / RDC(s): QUE)
13. Conference Type: Talks or papers at academic conferences. Conference reference: Jing Liang, 02JUN2017. titon and Wages: The Role of Unions in the Diffusion of Demand-Side Shocks: Canadian Economic Association Meeting. Antigonish, Nova Scotia. (Project: 13-SSH-QUE-3574 / RDC(s): QUE)

14. Conference Type: Talks or papers at academic conferences. PhD Seminar: Jason Adams, 2MAR2017. Social assistance outcome discrepancies: an examination of immigrant experiences in Ontario: Queen's University Economics Department (Project: 14-OIS-QUE-4158 / RDC(s): QUE)