

15 April, 2014

**Western Research Data Centre
Advisory Council
Minutes of Meeting
(4 April, 2014, 3:00-4:30, SSC 5427)**

Council:

Academic Director:

Roderic Beaujot, Sociology

Representatives from Dean's Offices and V-P Research

Karen Campbell, Chair, Epidemiology and Biostatistics

Andrew Nelson, Associate Dean, Faculty of Social Science

Justin Patten, Director, Research, Ivey Business School

John Capone, V-P Research (replaced by Dan Sinai or Bryce Pickard, regrets)

Other members

David Bellhouse, Statistical and Actuarial Sciences

Alexandra Bozheva (student representative)

Daniel Edelstein, Academic Director, Branch RDC, University of Windsor (by conf. call)

Iris Gutmanis, St. Joseph's Health Centre London (regrets)

Chris Higgins, Ivey (regrets)

Eeva Munoz, Associate University Librarian (regrets)

Chris Robinson, Economics

Sisira Sarma, Epidemiology and Biostatistics

Stewart Thornhill, Ivey (on leave)

Staff:

Kelly Bairos, Statistical Assistant, Western

Cynthia Cook, Statistics Canada (Senior Analyst, Regional Supervisor)

Bradley Corbett, Statistics Canada (Analyst)

Vince Gray, Data Librarian, Western Libraries

Mike Houlahan, Statistical Assistant, University of Windsor (by conference call)

Zenaida Ravanera, Information Officer

Heather Stevens, SSNDS

Fatemeh Eghabali Zarj, Statistical Assistant, Western (regrets)

Invited:

Paul Paré, Sociology

Piotr Wilk, Epidemiology and Biostatistics

1. Approval of Agenda

2. Announcements

Welcome to Kelly Bairos, Statistical Assistant at Western RDC.

Pilot Project: The Map and Data Centre at Weldon Library has appointed a part time statistical consultant. Vince Gray indicated that there is no assurance that the project will continue.

3. Minutes of 25 October 2013

see: <http://www.rdc.uwo.ca/resources/docs/minutes/20131025-UWORDC-minutes.pdf>

4. Incoming Academic Director (as of 1 July 2014)

The sub-committee charged with selecting the incoming Academic Director [Andrew Nelson (chair), Karen Campbell, and Chris Higgins] reported that Paul Paré (Associate Professor of Sociology) and Piotr Wilk (Assistant Professor of Epidemiology and Biostatistics) have been appointed as Academic Co-Directors.

A round of applause indicated Council's agreement.

Paul Paré indicated that he and Piotr Wilk will work as a team and they will both attend the CRDCN annual meetings. They will work together but Piotr will take primary responsibility for financial questions and Paul for information and planning.

5. Renewal of Centre Status at Western

The application for renewing Centre status (following Policies and Procedures 7.9) was dated 18 November 2013. This renewal was granted, for a term of three years from December 1, 2013 to November 30, 2016 (see letter from John Capone, V-P Research dated 16 December 2013). The request for a name change was also granted, to "Western Research Data Centre".

6. Budget

Budget sheets dated 2 April were circulated at the meeting.

The minutes of the meeting of 25 October 2013 indicate the following (Item 6): For 2014-15, the following revenue was proposed: Schulich \$15,000, Ivey \$9,000, Social Science \$38,000 plus \$8736 (\$728 x 12 for SSNDS services, half day per week).

Given the "partnership contribution" which Statistics Canada has received from Citizenship and Immigration, and the Statistics Canada "reduction", the Statistics Canada invoice is lower than expected. There is also a surplus in the SSHRC and CIHR accounts, which will be about \$29,500 in the CIHR and \$31,700 in the SSHRC accounts at the end of fiscal 2013-14.

Thus we can use the same revenue figures for 2014-15 as had been used for 2013-14: Schulich \$12,000, Ivey \$5,000, Social Science \$35,000 plus \$8736 (\$728 x 12 for SSNDS services, half day per week).

It was noted that the revenue listed as "CFI operating funds" of \$8,500 for 2013-14 and \$6,000 for 2014-15 have come from the IOF of the McMaster CFI plus IOF funds from Western.

These have paid the WAN annual fees (\$6780 for ORION, plus \$1800 for ITS), but this source of revenue will come to an end. The IOF funds from Western, which have been paying the local (ITS) WAN fees will come to an end during 2014-15. The Western portion of the IOF at McMaster is likely to cover a major part of regional fees (ORION) for 2014 and 2015.

7. Ivey Data Day (Brad Corbett and Cindy Cook)

This is put off until next year, with the idea of having a campus wide focus on economic and business data available through (1) Data Liberation Initiative, (2) Real Time Remote Access, (3) RDC, and (4) CEDER (Centre for Data Development and Economic Research).

8. Canadian Research Data Centre Network

The SSHRC/CIHR mid-term review was favourable and continuation of the funding was approved (letter dated 8 January 2014 from Mary Fraser Valiquette of CIHR). The coming year, 2014-15 will be the last full year of this 5 year grant (\$2.3 million per year). The CFI Leading Edge grant at McMaster (for WAN, metadata and equipment renewal) has essentially been spent (\$3,634,560).

As of October 2013, the IOF of this CFI grant had a balance of \$736,435 (from a total allocation of \$1,090,368). The distribution of the IOF across the network will probably allow Western to pay most of the ORION costs (\$6,780 per year) for 2013-14 and 2014-15. These payments will use up Western's share of this IOF.

The 2014 CRDCN Conference is entitled "Investing in our future," 28-30 October, Winnipeg (call for papers will be in Spring 2014).

Health Inequalities and Social Policy, conference, CIQSS, Montreal, 7-9 May 2014.

The 2015 National Conference will be held in Toronto.

The CRDCN web site has sections on "recently released" data files and "coming soon."

The meta data from the CFI project will be on the CRDCN web site.

9. Data Access

The data from the 2011 Census (sample of the 2A Census file) and the 2011 National Household Survey are to be in the RDCs this summer.

Data from the first cycle of LISA (Longitudinal and International Study of Adults) were released in January 2014.

There are pilot projects for the Homicide Survey and the Incident-based Uniform Crime Reporting Survey.

The Map and Data Centre had an online DLI webinar, 21 January 2014, on Aboriginal Peoples Survey by Social and Aboriginal Statistics Division, Statistics Canada.

ICES Western Outreach Workshop (31 January 2014).

10. Big Data

Brad Corbett and Paul Paré reported on their attendance at "Big Data Synergy @ Western" on 14 March, and "Imagining Canada's Future – A SSHRC Regional Event: Big Data in the SSHRC Disciplines – Data from the Past, Present and Future" on 15 March.

A four page memo entitled “Thinking big about Big Data: Future directions for the Canadian Research Data Centre Network”, dated 24 October 2013, was distributed. There is also a submission posted at the CRDCN web site to Industry Canada’s consultation paper “Seizing Canada’s Moment: Moving forward in Science, Technology and Innovation”.

At CRDCN, “big data” refers initially to longitudinal administrative data, some of which is already in use within Statistics Canada. The data sets in the RDCs will start with crime, vital statistics, health and eventually LAD (Longitudinal Administrative Data) and its various sub-files. Much of the administrative data need to come from the provinces.

It is important to keep track of what is happening with regard to Big Data in other countries.

At Western, the concept of Big Data has been retained for one of the five proposed clusters of research excellence (\$5 million over 5 years, plus chairs at the equivalent of Tier I).

A report is being written following on the SSHRC Regional Event of 15 March. An important priority at SSHRC is to find a place(s) to curate/deposit data sets generated on the basis of SSHRC funding.

11. Statistics and Data Series, RDC Brown Bag Research Talks , 2013-14 (Zenaida Ravanera)

The five presentations at the Statistics and Data Series and two presentations for the Brown Bag Series for 2013-14 have taken place as scheduled. Both of the incoming co-directors gave presentations in this year’s Statistics and Data Series. The average number of participants in these series was similar to previous years: 23 for the Statistics and Data Series and 14 for the Brown Bag Series.

12. Summer Workshop in Longitudinal Analysis 2013 (Lorraine Davies) Cancelled for summer 2014

13. Impact

Encouragement to subscribe to the Canadian Research Data Centre Network (CRDCN) Networker at www.rdc-cdr.ca and the CRDCN webinar series (in collaboration with CHNET-Works).

14. Annual Report 2013

The March-April survey of products included 79 projects at Western, of which 35 responded on the first round, 22 on the second round, 9 on the third round, and 13 did not respond.

A preliminary list of Researchers by Department, 2011-13, was distributed.

Beaujot and Ravanera are responsible for the 2013 Annual Report.

15. Report from Windsor Branch RDC (Daniel Edelstein)

Daniel Edelstein reported that the Windsor Branch now has eight active projects.

He has met with persons interested in RDC at the Windsor branch of the Schulich School. There are further delays in the WAN migration, now scheduled for Fall 2014. Cindy Cook, Brad Corbett and Paul Paré are scheduling a visit to the Windsor RDC.

16. Discussion for the benefit of Incoming Academic Co-Directors

The discussion concerned:

1. Future directions for the Western RDC: what to keep, what to change, what to emphasize.
2. Securing sustainable funding at the University level.

Zenaida Ravanera distributed the attached document “For Agenda #16” dated 24 March 2014.

This document covers (1) training (Statistics and Data Series, three years of summer workshops and the subsequent summer institute and data workshops, (2) knowledge mobilization (Brown Bag Series, Research Highlights located at Scholarship@Western, (3) Web site, and (4) e-mail lists.

Paul Paré and Piotr Wilk invite interested parties to meet with them regarding future directions. Regarding summer school, the format that has been the most successful has been a one week program with nominal fees. The upfront costs are in the range of \$7,000 to \$10,000.

Brad Corbett encouraged people to use the option of a programme of research approach, which facilitates adding further investigators (including students) into a given contract.

The idea of a monthly newsletter was suggested.

The RDC@Western web site has been built with forwarding links to CRDCN pages and to the appropriate pages at Statistics Canada, for data listings, documentation and procedures for data access. Any suggestions on improving the web site are welcome.

Action Item: It was decided to have an Executive Group (consisting of the Co-Directors and representatives from Dean’s Offices and V-P Research) responsible for generating the formula for University contributions to RDC budget, prior to taking the budget to the broader RDC Council.

17. Other

Following on the *Public Service Award of Excellence* in the *Innovation* category (see Item #2 of minutes of 25 October 2013), there has been further internal recognition at Statistics Canada of the Research Data Centre Program.

In June, Fatemeh Eghabali Zarj will be leaving her post as Statistical Assistant, as she moves to Newfoundland.

Vince Gray expressed recognition for the service of Rod Beaujot as Academic Director and Zenaida Ravanera as Information Officer. Rounds of applause followed.

18. Dates for next meetings: 24 October 2014, 6 March 2015, 3:00-4:30

19. Adjournment

Appendix for Agenda items #16

Future directions for the Western RDC: what to keep, what to change, what to emphasize.

Zenaida Ravanera, Outgoing Information Officer
Rod Beaujot, Outgoing Academic Director

March 24, 2014

The following are some thoughts on future directions based on experiences along the two objectives of the Research Data Centre: Training and Knowledge Mobilization

A. **On Training:** The initiatives undertaken included the Statistics and Data Series, the Summer Workshops on Longitudinal Analysis, and Data Workshops

1. [Statistics and Data Series](#)

There were 3 presentations on data and statistics in 2008-2009, though the Statistics and Data Series itself formally started with 8 presentations in 2009-2010, continued with 8 presentations each in 2010-2011 and 2011-2012, reached a peak of 10 presentations in 2012-2013, and down to 5 in 2013-2014. The Series was co-sponsored by the Population and Life Course Studies Inter-disciplinary Initiative (PLCS/IDI) from 2010 to 2012 and by the Centre for Population, Aging and Health (CPAH) from 2012 to 2014.

Some considerations for continuation of the Series:

- Serves the purpose of training and information dissemination on data and access to data
- Good attendance - most presentations had more than 20 participants from various faculties at Western; with certain presentations having 30 to 60 participants
- Creates awareness of the presence of the RDC in the Western community, including year-round posters all over the campus, and fairly regular notices circulated widely
- Relatively inexpensive – each presentation approximately costs \$50 for coffee and \$100 for video-recording (when speakers permit)
- Persons from Western with expertise in statistical techniques are available and willing to present – inviting speakers has been easy, especially with the help of key people who themselves make presentations or recommend others in their faculty or department
- Generates access to training resources (mainly slides and video recording) long after the presentations – As seen in Appendix A and Appendix B, the number of slide and video views are in the thousands for certain techniques of analysis

Some potential for improvement:

- One of the unstated objectives of the Series – to serve as a means of building an “RDC community”, where RDC users regularly meet, (originally, over lunch and more recently, over coffee/tea and cookies) to share experiences and consult with resource persons on data and techniques – was not fully realized. If building an “RDC community” is an aim worth pursuing, it might be useful (a) to declare this as a specific aim of the Series, and (b) to encourage users, RDC staff, and some resource persons to attend the Series regularly.

- Make use of on-line facilities such as webinars and Western’s OWL to extend the usefulness of the presentation to a wider audience (interested people who cannot attend at Western and in Windsor) and over time (recorded webinars could be used as learning tools in classrooms). This requires investment in equipment (for Room 5220) and training of a person who can manage the webinar (from setting up, to moderating, and to making the recorded webinar available).

2. [Summer Workshops on Longitudinal Analysis](#)

Since the one hour presentation format of the Statistics and Data Series limits the training on techniques to an introductory level, summer workshops were held as culminating events of the Series in 2009, 2010, and 2011. The workshops were co-sponsored and jointly funded by the Interdisciplinary Development Initiative on Population and Life Course Studies (PLCS/IDI), the RDC, and the participants (through minimal registration fees). They focused on longitudinal analysis, with Piotr Wilk, one of the incoming co-directors, together with Rajulton Fernando (now retired) and Alain Gagnon (now in University of Montreal) as instructors. Each workshop was well attended with some 30 to 35 participants, mostly Western graduate students, a few professors, and students from other Canadian universities.

The RDC/PCLS summer workshop was supplanted by the Faculty of Social Science [Western Summer School in Longitudinal Analysis](#) that was held in 2013. One was planned for 2012 but was cancelled, and no summer school is scheduled for 2014.

If more in-depth training on techniques is to be aimed at by the RDC, some possible initiatives are:

- Western Summer School – if the Faculty of Social Science resumes the School, it would be mutually beneficial for the RDC and the School to collaborate in planning of courses and sharing of resources, particularly in the use of RDC data and facilities (for example, the room adjacent to the RDC)
- It may be useful for the RDC to consider offering summer workshops again, if the Western Summer School is not resumed. A one-week workshop would roughly cost from \$7,000 to \$10,000 and could probably be funded from various sources including registration fees, grant applications, and faculties supporting the RDC. (A model to consider, though in a much smaller scale, is the Summer School of the Quebec RDC, [Quebec Inter-University Center for Social Statistics Summer School](#).)
- It would be beneficial to explore ways by which RDC data could be used for courses on techniques of analysis in the various faculties. Even more useful would be courses built around particular data sets available in the RDC. These could be held in the “room next door” that can be temporarily used for RDC access.

3. **Data Workshop:** Similar to the summer workshops on statistical techniques, in-depth training on the use of data sets were also held.

- A 3-day [2012 Statistics Canada Workshop on Health Data](#), jointly co-sponsored by the Department of Epidemiology, and managed by Piotr Wilk, was held in February 21-23. The workshop instructors, Abdelnasser Saidi and Rose Evra, were from the Household Survey

Methods Division of Statistics Canada. The first day focused on various health data collected by Statistics Canada, and the second and third day were in-depth workshops on the use of the National Population Health Survey. The 3-day workshops were well-attended with 35 participants on the first day, and 18 on the 2nd and 3rd days.

- Two 2-day [workshops](#) were held at the Western Summer School in Longitudinal Analysis in May 2013, co-sponsored by the Population Change and Lifecourse Strategic Knowledge Cluster:
 - Creating NPHS functional data bases for longitudinal analysis using STATA, with Claudia Masferrer Leon, McGill University, as instructor
 - Workshop on Preparing YITS Data for Longitudinal Analysis, with Benoît Laplante, Université du Québec, as instructor

These two workshops were not well-attended with only 3 participants in each of the workshops.

There seems to be a need for similar type of workshops that focus on in-depth understanding and use of particular data sets. An example is the Ivey Data Day being planned with the involvement of Cindy Cooke and Brad Corbett.

A consideration in holding this type of workshop is that it generally needs resource persons outside of Western (most likely, from Statistics Canada), which means that:

- A budget of some \$3000 to \$5000 would most likely be needed
- Someone at the RDC should be willing to take charge of the preparation that could take months before the workshop is held.

B. On Knowledge Mobilization: To focus on studies done using data from the Research Data Centre, two initiatives were undertaken, the Brown Bag Series, and the Research Highlights

1. [Brown Bag Series](#)

The Series aims to showcase research done at the RDC, to provide a forum that focuses on implications (rather than on techniques of analysis), and to foster interdisciplinary exchanges. There were 7 presentations in the academic year 2007-2008, 5 in 2008-2009, 3 each in 2009-2010, 2010-2011, 2011-2012, and two each in 2012-2013 and 2013-2014. The pool of research outputs for knowledge mobilization was larger in 2007 to 2009 as the Series drew upon outputs from earlier years of RDC's operation.

Some considerations for continuation and improvement of the Series:

- Relevance of research and its contribution to society is one justification for the existence of the RDC.
- Presentations attract people interested in the same topic from different faculties; however, the number of participants is, on the average, about 12 to 15, which is lower than for the Statistics and Data Series.
- To improve on the participation, two presentations were brought where the audience was likely to come from; that is, the venue was changed. The number of participants was not much higher than when the presentation was held in the usual venue (SSC 5220).

- A focus on implications necessarily requires that the study has already been vetted or peer-reviewed. Likewise, fostering inter-disciplinary exchanges requires that the topic of the study is of somewhat general interest (or not too specialized). These limit the pool of studies eligible for presentation. In spite of these, it is certainly possible to have at least two Brown Bag presentations per academic year.
- If the Series is continued, some possible changes that may improve it are:
 - Use less stringent criteria for presentation, allowing studies in various stages of completion for presentation.
 - Try different format of presentation, for example, a 15-minute presentation followed by a 10-minute discussion by one or two people, and a group discussion.
 - These changes might require a change of the Series name, for example, “RDC Research Roundtable”

2. RDC@Western Research Highlight and CRDCN Research Highlight

An advantage of the Brown Bag criterion that the study should already have been peer-reviewed is that it enabled the circulation of a Research Highlight based on the published journal article.

- Twenty-one issues were published in the [RDC@Western Research Highlights](#) site at the Scholarship@Western. The first three issues were “stand-alone” Research Highlights as they were circulated before the Brown Bag Series was launched; the rest were circulated in tandem with a Brown Bag presentation. Each of the Research Highlights was a short, easy to understand research summary written by Heather Juby, and published in time for the Brown Bag presentation.
- When Heather Juby was replaced by Sarah Fortin, the RDC@Western Research Highlight was replaced by the [CRDCN Research Highlight](#), the aim being to make the Research Highlight (now in both English and French) open to studies done in other RDCs in the country, though still published at the Scholarship@Western. To date, six issues have been published, four of which are based on research done at the RDC@Western and circulated in time for the Brown Bag presentations. (Exceptions were the 2 presentations in 2012-2013 and the first presentation in 2013-14, for which no Research Highlight was produced. This was because the journal articles presented in the Brown Bag were not yet published as of the time of the Brown Bag presentation.)
- The continuation of the CRDCN Research Highlight depends on the following:
 - The willingness of the CRDCN Knowledge Transfer Officer (currently, Sarah Fortin) to continue writing the Highlight. This assumes that CRDCN continues to regard the Research Highlight as one of its tools for knowledge transfer with a budget allocated to it (including funds for translation)
 - The coordination of the Brown Bag Series (or its replacement) with the production and publication of the Research Highlight. This requires interactions among the person in charge at the RDC@Western, the first author of the article, and the CRDCN Knowledge Transfer Officer.
 - A person at the RDC@Western to upload and publish the Research Highlight. This would require informing Western Library of the person who will do this, and for the person to undergo training provided by [bepress](#) (Berkeley Electronic Press) on online publishing that is relatively easy, and the training can be done online or by phone. (bepress people are good and easy to work with.)

C. Support Structures – The training and knowledge mobilization initiatives were supported by the RDC@Western Website, RDC Database, and RDC emailing lists.

1. The **RDC@Western Website**: The RDC website, originally set up by Vince Gray, has undergone three major redesigns; the latest was launched in December 2013. The website is the public (electronic) face of the RDC and serves a number of purposes. The following are the main purposes and the frequency of updates:

- Provide potential users of the procedure on [how to apply](#) for data access – This and the related pages do not require updating, unless major changes in the processes and guidelines occur.
- Provide information on RDC’s [activities](#) including the research projects and publications from the research done at the RDC – This needs to be updated at least once a year, conveniently after the submission of the annual report
- Serve as a repository of documents, such as the [RDC Advisory Council Minutes of the Meeting](#) – This is updated twice a year.
- Inform the public of [events](#) taking place at the RDC, currently, the Statistics and Data Series, the Brown Bag Series, and the [Research Highlight](#) – The update is first done before the start of the academic year, when the list of events for the year including the poster on the events is uploaded in the website. Regular update is then done, once or twice a month, as part of the “event package” that includes update on the upcoming event before the event takes place and uploading of slides, the video link, if any, and the link to the Research Highlight after the event has taken place.
- Inform the users of RDC closures and changes in [hours of operation](#) – This is done whenever there is an upcoming closure or change.

Needless to say, a website is a necessity. Except for the updates on events, the rest of the updates are few and easy to do. Kelly Bairos, Statistical Assistant, has the skill to do updates on the website.

2. The **RDC Database**: Using the software DBTextWorks, databases on RDC investigators, projects, and products were maintained for the RDC at Western until 2012.

- The databases were used to keep track of the RDC investigators and their projects. These were specifically useful when finding publications to be presented in the Brown Bag Series and sending out emails and surveys to users requesting for output to be included in the Annual Reports.
- For the 2012 Annual Report, the information required (on projects, investigators, and outputs) were obtained from centralized databases at Statistics Canada, and shared with all the RDCs by CRDCN. Likewise, the survey on outputs was centralized. Consequently, the databases at Western were no longer updated and used.
- Maintaining databases is time-consuming and thus, it is good that database has been centralized, outputs from which are currently used mainly for input into the annual report. It is possible to use the outputs for other purposes, such as getting to know the projects, users, and tracking down outputs for knowledge mobilization, which could help in building a community of RDC users.

3. The **RDC E-mail Lists**: The following are the RDC mailing lists.

List name	Description	List owners
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1. uwordcevents	Western's Research Data Centre Events	vince, ravanera, ajacob and 3 others
2. uwordcinfo	Information list about the UWO Research Data Centre	vince, ravanera, feghbali, bcorbet, ccook25, ajacob
3. uwordc	Research Data Centre Committee/ RDC Advisory Council	vince, ravanera, rbeaujot, feghbali, ajacob
4. uwordcpub	Western RDC Publicity	vince, ravanera, ajacob, bcorbet, ccook25, feghbali
5. rdconf-participants	Participants in the 2009 RDC Conference	ravanera, abarszc2
6. rdconf-presenters	Presenters at the 2009 RDC Conference	ravanera, abarszc2
7. rdcidiworkshop	Participants in first IDI RDC Workshop	ravanera

- The uwordcevents list is used mainly for sending out notices on RDC events and includes individual names and the next 3 lists – uwordcinfo, uwordc, and uwordcpub.
- The uwordcinfo includes RDC users only, and is used when sending out notices relevant to users only, such as RDC closures and change in hours of operation.
- Ravanera and Beaujot should be removed as list owners from July 1, 2014 in the lists.
- The rdconf-participants and rdconf-presenters were set up for use during Health over the Life Conference, a national CRDCN Conference held at Western in 2009. And, the rdcidiworkshop was used mainly for the first Summer Workshop on Longitudinal Analysis in 2009. These lists should be closed, unless some use is envisioned for these lists, in which case Ravanera as list owner should be replaced.

We hope these thoughts are useful. It has been good working with the RDC, and we wish Paul and Piotr all the best.

Appendix A: **RDC@Western Presentation Slides with more than 100 views from January to December 2013**

	Presenter, Slide Title, and Date of Presentation	Number of Views in 2013
1.	Rajulton Fernando, <i>Logit, Probit and Tobit: Models for Categorical and Limited Dependent Variables</i> , March 23, 2011	6279
2.	Rajulton Fernando, <i>Introduction to Stata: Some Basic Guidelines</i> , April 15, 2010	6233
3.	Bruce L. Jones, <i>Survival Analysis using R</i> , March 24, 2010	2655
4.	Ivan Medovikov, <i>Introduction to Time Series Analysis</i> , October 17, 2011	1860
5.	Paul-Philippe Pare, <i>Missing Data Techniques</i> , January 18, 2012	1842
6.	David Bellhouse, <i>Bootstrap Methods</i> , January 19, 2011	1178
7.	David Bellhouse, <i>The Analysis of Complex Surveys</i> , January 20, 2010	923
8.	Youngki Shin, <i>Introduction to Panel Data Analysis</i> , November 21, 2012	494
9.	Amit Garg, Theresa Hands, and Salimah Shariff, <i>Introduction to the Institute for Clinical Evaluative Sciences (ICES) and ICES expansion site, ICES@Western</i> , November 7, 2012	357
10.	W. John Braun, <i>Bootstrapping: Examples and Counterexamples</i> , October 24, 2012	337
11.	Piotr Wilk, <i>Introduction to Mplus</i> , May 12, 2010	313
12.	Anabel Quan-Haase, Presentation: <i>Social Network Analysis: When Social Relationship is the Dependent Variable</i> , March 21, 2012	295
13.	Rachel Margolis, <i>Dealing with Missing Data: Strategies for Beginners to Data Analysis</i> , February 6, 2013	236
14.	Paul-Philippe Pare, <i>An Introduction to Multilevel Analysis using HLM</i> , February 24, 2010	190
15.	Christian Dea, <i>Moving Towards a More Relevant, Flexible and Timely Socio-Economic Data System: Modernizing HRSDC's Data Portfolio</i> , March 9, 2011	145
16.	Anabel Quan-Haase, Notes: <i>Social Network Analysis: When Social Relationship is the Dependent Variable</i> , March 21, 2012	140
17.	Iris Gutmanis, <i>Smart Survey Design: From Effective Survey Questions to Layout and Design</i> , April 25, 2012	137
18.	Duncan Murdoch, <i>Exploring Data with Statistical Graphics in R</i> , November 23, 2011	107

Appendix B: **Number of Views of Video Recording as of February 28, 2014**

	Presenter, Title, and Date of Presentation	Number of views as of February 28, 2014
1.	Vince Gray, Elizabeth Hill and Brad Corbett, <i>Data Access at Western RDC</i> , October 24, 2012	249
2.	Kate StCyr, <i>Predictors of Posttraumatic stress disorder, depression and suicidal ideation among Canadian Forces personnel in a National Canadian Military Health Survey</i> , February 8, 2012	297
3.	Bridget Ryan, <i>Understanding adolescent and young adult use of family physician services: A cross-sectional analysis of the Canadian Community Health Survey</i> , March 7, 2012	132
4.	Alison Konrad, <i>The Vocational Well-Being of Workers with Childhood Onset of Disability: Life Satisfaction and Perceived Workplace Discrimination</i> , April 13, 2012	185
5.	Michael Courey, <i>A Closer Look at the Relationship Between Low Self Control and Delinquency: The Effects of Identity Style</i> , October 10, 2012	189
6.	W. John Braun, <i>Bootstrapping: Examples and Counter-Examples</i> , October 24, 2012	2,355
7.	Amit Garg, Theresa Hands, and Salimah Shariff, <i>Using the Institute for Clinical Evaluative Sciences (ICES)</i> , November 7, 2012	248
8.	Youngki Shin, <i>Introduction to Panel Data Analysis</i> , November 21, 2012	12,255
9.	Michael Haight and Anabel Quan-Haase, <i>Revisiting the Digital Divide: Findings from the 2010 Canadian Internet Use Survey</i> , December 12, 2012	204
10.	Catherine Corrigan-Brown, <i>A Practical Introduction to Content Analysis</i> , January 23, 2013	5,748
11.	Anabel Quan-Haase, <i>Social Network Analysis: Examining Community Level Effect</i> , March 20, 2013	703
12.	Ivan Medovikov, <i>Applications of Time Series Analysis</i> , April 17, 2013	5,928
13.	Elizabeth Hill, <i>Access to Data and Geospatial Layers at Western</i> , September 18, 2013	118
14.	Piotr Wilk, <i>Introduction to Structural Equations Modelling</i> , December 11, 2013	259