



Research Data Management (RDM) Survey of Queen's University's Engineering and Science Departments 2015

User Guide and Codebook

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INTRODUCTION

In order to become better prepared to support Research Data Management (RDM) practices in sciences and engineering, Queen's University Library, together with the University Research Services, conducted a research study of all ranks of faculty members, as well as postdoctoral fellows and graduate students at the Faculty of Engineering & Applied Science, Departments of Chemistry, Computer Science, Geological Sciences and Geological Engineering, Mathematics and Statistics, Physics, Engineering Physics & Astronomy, School of Environmental Studies, and Geography & Planning in the Faculty of Arts and Science.

METADATA

Dataset

Number of Cases = 396

Number of Variables = 115

Date of Collection

November 24, 2015 – December 31, 2015

Universe

Participants included all ranks of faculty members, postdoctoral fellows, research fellows, research associates, lecturers, and graduate students at master's and doctoral levels from the Faculty of Engineering & Applied Science, and the Faculty of Arts & Sciences. The following departments participated in this survey: Chemical Engineering, Civil Engineering, Electrical and Computer Engineering, Mechanical and Materials Engineering, Robert M. Buchan Department of Mining, Biology, Chemistry, Computer Science, Geological Sciences and Geological Engineering, Mathematics and Statistics, Physics, Engineering Physics & Astronomy, School of Environmental Studies, and Geography & Planning.

Data Collector

Queen's University Library

Mode of data collection

Online survey

Type of Research Instrument

FluidSurveys

Characteristics of data collection situation

The survey was distributed using the subscription-based FluidSurveys service. An email distribution list was compiled from information provided on the departmental websites. Personalized invitations were sent to 1393 unique email addresses via the FluidSurveys service. In some cases, graduate students' emails were not available from departmental websites; in these instances, the survey team requested email lists from these departments. Three departments (Mechanical & Materials Engineering, Math and Stats, and Mining) did not provide lists of graduate students' emails due to privacy considerations. In these cases, the survey was distributed through departmental administrative offices; as such, the exact number of survey recipients is unknown.

Response rates

The total number of responses to the survey was 396, the number of completed survey responses received was 210, and the number of partially completed responses was 145. A total of 41 respondents decided to terminate the survey. Here, "partially completed" refers to a survey where some questions were answered but the respondent never terminated the survey by clicking the terminate button, or never finished the survey by clicking the submit button. A survey was counted as completed if the respondent answered all required questions and clicked the submit button. Both completed and partially completed survey responses (355 in total) were included in the analysis. Considering the number of initially sent invitations was 1393, the response rate was calculated to be 25.5%.

DELETED VARIABLES

The following variables were removed because of confidentiality.

Q2_StorageOther	[q2] Amount data storage used in an average research project [text]
Q2_TransferText	[q2_1] Transfer (big) data: Other [text]
Q3_TypeOtherT	[q3] Type research data generated or used in typical research project: Other [text]
Q4_NotOtherT	[q4_1_2] Do not share program source script: Other [text]
Q4_OtherT	[q4_1_1] How share program source script: Other [text]
Q6_StoreOtherT	[q6] Where store research data - current project(s): Other [text]
Q11_Repository	[q11] Specify repository if general or discipline-specific repository
Q12_RestrictOtherT	[q12] Restrictions to sharing data: Other [text]
Q14_NotShareOtherT	[q14] Reasons not share research data and associated methods/algorithms: Other [text]
Q15_BenefitOtherT	[q15] Benefits to sharing your research data: Other [text]
Q16_Repository	[q16] Discipline-specific research data repositories related to your field
Q19_ServiceOther	[q19] If there are other services you would like to see offered, please specify:
Q20_Rank	[q20] Rank at Queen's University
Q20_RankOther	[q20] Rank at Queen's University [other]
Q21_Faculty	[q21] Faculty, home institute or department at Queen's University
Q21_FacultyOther	[q21] Faculty, home institute or department at Queen's University [other]
Q22_InstASU	[q22] Research institute or centre: Analytical Services Unit
Q22_InstAMG	[q22] Research institute or centre: Applied Magnetics Group
Q22_InstBCG	[q22] Research institute or centre: Biomedical Computing Group
Q22_InstBRG	[q22] Research institute or centre: Bioremediation (Research) Group
Q22_InstCEPER	[q22] Research institute or centre: Centre for Energy and Power Electronics Research
Q22_InstFCRC	[q22] Research institute or centre: Fuel Cell Research Centre
Q22_InstGEC	[q22] Research institute or centre: GeoEngineering Centre
Q22_InstHPCVL	[q22] Research institute or centre: High Performance Computing Virtual Laboratory (HPCVL)
Q22_InstIPCL	[q22] Research institute or centre: Information Processing and Communications Laboratory

Q22_InstLGISA	[q22] Research institute or centre: Laboratory of Geographic Information and Spatial Analysis
Q22_InstMSPSU	[q22] Research institute or centre: Mass Spectrometry & Proteomics. Services Unit.
Q22_InstMBG	[q22] Research institute or centre: Mathematical Biology Group
Q22_InstMSTEG	[q22] Research institute or centre: Mathematics, Science and Technology Education Group
Q22_InstNSG	[q22] Research institute or centre: Northern Studies Group
Q22_InstPEARL	[q22] Research institute or centre: Paleoecological Environmental Assessment and Research Laboratory (PEARL)
Q22_InstPUCG	[q22] Research institute or centre: Parallel and Unconventional Computation Group
Q22_InstpSG	[q22] Research institute or centre: Probability and Statistics Group
Q22_InstAMMG	[q22] Research institute or centre: Queen's - RMC Advanced Materials and Manufacturing Group (AMMG)
Q22_InstQFIR	[q22] Research institute or centre: Queen's Facility for Isotope Research (QFIR)
Q22_InstSNOLAB	[q22] Research institute or centre: Sudbury Neutrino Observatory Institute (SNOLAB)
Q22_InstSDRG	[q22] Research institute or centre: Sustainable Development Research Group
Q22_InstOther	[q22] Research institute or centre: Other
Q22_InstOtherT	[q22] Research institute or centre: Other [text]
Q23_CrossBio	[q23] Cross-discipline affiliation outside of your home department: Department of Biology
Q23_CrossComp	[q23] Cross-discipline affiliation outside of your home department: School of Computing
Q23_CrossEco	[q23] Cross-discipline affiliation outside of your home department: Department of Economics
Q23_CrossGeog	[q23] Cross-discipline affiliation outside of your home department: Department of Geography
Q23_CrossGSGE	[q23] Cross-discipline affiliation outside of your home department: Department of Geological Sciences and Geological Engineering
Q23_CrossMS	[q23] Cross-discipline affiliation outside of your home department: Department of Mathematics and Statistics
Q23_CrossPhy	[q23] Cross-discipline affiliation outside of your home department: Department of Physics, Engineering Physics and Astronomy

Q23_CrossMed	[q23] Cross-discipline affiliation outside of your home department: School of Medicine
Q23_CrossNo	[q23] Cross-discipline affiliation outside of your home department: I do not have a cross affiliation
Q23_CrossNot	[q23] Cross-discipline affiliation outside of your home department: Prefer not to specify
Q23_CrossOther	[q23] Cross-discipline affiliation outside of your home department: Other
Q23_CrossOtherT	[q23] Cross-discipline affiliation outside of your home department: Other [text]
Q24_FundAPSF	[q24] Funding sources used/plan to use: Alfred P. Sloan Foundation
Q24_FundCFI	[q24] Funding sources used/plan to use: Canadian Foundation for Innovation
Q24_FundCBS	[q24] Funding sources used/plan to use: Canadian Blood Services
Q24_FundCIAR	[q24] Funding sources used/plan to use: Canadian Institute of Advanced Research
Q24_FundCIHR	[q24] Funding sources used/plan to use: CIHR
Q24_FundCSA	[q24] Funding sources used/plan to use: Canadian Space Agency
Q24_FundCDQM	[q24] Funding sources used/plan to use: CDQM: Consortium for Drug Discovery
Q24_FundNavy	[q24] Funding sources used/plan to use: Department of the Navy (U.S.)
Q24_FundEC	[q24] Funding sources used/plan to use: Environment Canada
Q24_FundInd	[q24] Funding sources used/plan to use: Industry
Q24_FundMARS	[q24] Funding sources used/plan to use: MaRS Innovation
Q24_FundNIH	[q24] Funding sources used/plan to use: National Institutes of Health (US)
Q24_FundARCT	[q24] Funding sources used/plan to use: Network of Centres for Excellence: Arcticnet
Q24_FundCIPI	[q24] Funding sources used/plan to use: Network of Centres of Excellence: Canadian Institute for Photonic Innovations
Q24_FundCMC	[q24] Funding sources used/plan to use: Network for Centres of Excellence: Carbon Management Canada
Q24_FundCRDG	[q24] Funding sources used/plan to use: NSERC Industry Partnership Program: Collaborative R&D Grant
Q24_FundDND	[q24] Funding sources used/plan to use: NSERC Industry Partnership Program: DND - NSERC Research Partnership Program
Q24_FundEGP	[q24] Funding sources used/plan to use: NSERC Industry Partnership Program: Engage Grants (EG) Program

Q24_FundI2I	[q24] Funding sources used/plan to use: NSERC Industry Partnership Program: Idea to Innovation (I2I)
Q24_FundSG	[q24] Funding sources used/plan to use: NSERC Industry Partnership Program: Strategic Grants (Individual & Group)
Q24_FundSRN	[q24] Funding sources used/plan to use: NSERC Industry Partnership Program: Strategic Research Networks
Q24_FundCHRP	[q24] Funding sources used/plan to use: NSERC Research Grant: Collaborative Health Research Project
Q24_FundCREATE	[q24] Funding sources used/plan to use: NSERC Research Grant: CREATE Program Grant
Q24_FundDG	[q24] Funding sources used/plan to use: NSERC Research Grant: Discovery Grant
Q24_FundDAS	[q24] Funding sources used/plan to use: NSERC Research Grant: Discovery Accelerator Supplement
Q24_FundSSHRC	[q24] Funding sources used/plan to use: SSHRC
Q24_FundUSAF	[q24] Funding sources used/plan to use: United States Air Force
Q24_FundUSN	[q24] Funding sources used/plan to use: United States Department of the Navy
Q24_FundUSEPA	[q24] Funding sources used/plan to use: United States Environmental Protection Agency
Q24_FundUSNIH	[q24] Funding sources used/plan to use: United States National Institutes of Health NIH
Q24_FundNot	[q24] Funding sources used/plan to use: Prefer not to specify
Q24_FundOther	[q24] Funding sources used/plan to use: Other
Q24_FundOtherT	[q24] Funding sources used/plan to use: Other [text]
Q25_Feedback	[q25] Feedback on survey content, or thoughts on research data management practices
Q26_ContactOtherT	[q26] Contacted for follow up: Other [text]

Section 1: Working with Research Data

In this section you will be asked questions about your research data, including how you work with them, document them and store them.

Agree

		Value	Count	Percent
Standard Attributes	Position Label	1		
Valid Values	1	By clicking on the 'yes I agree' button below, you agree: Yes I agree, proceed to take the survey	330	83.3%
	2	No I do not want to participate in the survey	41	10.4%
Missing Values	System		25	6.3%

Q1_NumResearch

		Value	Count	Percent
Standard Attributes	Position Label	2		
Valid Values	1	[q1] Number research projects past year 1-2 research projects	141	35.6%
	2	3-5 research projects	47	11.9%
	3	>5 research projects	20	5.1%
	4	Not sure	10	2.5%
	5	Not applicable	68	17.2%
Missing Values	System		110	27.8%

Q2_Storage

		Value	Count	Percent
Standard Attributes	Position Label	3		
Valid Values	1	[q2] Amount data storage used in an average research project <50GB (Gigabyte)	151	38.1%
	2	50GB to <500GB	57	14.4%
	3	500GB to <1000GB	23	5.8%
	4	1TB to <4TG (Terabyte)	14	3.5%
	5	4TB to 500TB	3	.8%
	6	>500TB	3	.8%
	7	Not sure	26	6.6%
	8	Not Applicable, please explain:	8	2.0%
Missing Values	System		111	28.0%

Q2_TransferCC

		Value	Count	Percent
Standard Attributes	Position Label	4 [q2_1] Transfer (big) data: Compute Canada Globus Portal		
Valid Values	0 1	Not Chosen Chosen	395 1	99.7% .3%

Q2_TransferCloud

		Value	Count	Percent
Standard Attributes	Position Label	5 [q2_1] Transfer (big) data: Deposit into a cloud-based system and give permissions		
Valid Values	0 1	Not Chosen Chosen	393 3	99.2% .8%

Q2_TransferDK

		Value	Count	Percent
Standard Attributes	Position Label	6 [q2_1] Transfer (big) data: Don't know		
Valid Values	0 1	Not Chosen Chosen	391 5	98.7% 1.3%

Q2_TransferOther

		Value	Count	Percent
Standard Attributes	Position Label	7 [q2_1] Transfer (big) data: Other		
Valid Values	0 1	Not Chosen Chosen	383 13	96.7% 3.3%

Q3_TypeGeo

		Value	Count	Percent
Standard Attributes	Position Label	8 [q3] Type research data generated or used in typical research project: Geospatial		
Valid Values	0 1	Not Chosen Chosen	361 35	91.2% 8.8%

Q3_TypeInst

		Value	Count	Percent
Standard Attributes	Position Label	9 [q3] Type research data generated or used in typical research project: Instrument specific		
Valid Values	0 1	Not Chosen Chosen	323 73	81.6% 18.4%

Q3_TypeModels

		Value	Count	Percent
Standard Attributes	Position Label	10 [q3] Type research data generated or used in typical research project: Models		
Valid Values	0	Not Chosen	287	72.5%
	1	Chosen	109	27.5%

Q3_TypeMulti

		Value	Count	Percent
Standard Attributes	Position Label	11 [q3] Type research data generated or used in typical research project: Multimedia		
Valid Values	0	Not Chosen	307	77.5%
	1	Chosen	89	22.5%

Q3_TypeNum

		Value	Count	Percent
Standard Attributes	Position Label	12 [q3] Type research data generated or used in typical research project: Numerical		
Valid Values	0	Not Chosen	240	60.6%
	1	Chosen	156	39.4%

Q3_TypeSoftware

		Value	Count	Percent
Standard Attributes	Position Label	13 [q3] Type research data generated or used in typical research project: Software		
Valid Values	0	Not Chosen	304	76.8%
	1	Chosen	92	23.2%

Q3_TypeText

		Value	Count	Percent
Standard Attributes	Position Label	14 [q3] Type research data generated or used in typical research project: Text		
Valid Values	0	Not Chosen	232	58.6%
	1	Chosen	164	41.4%

Q3_TypeOther

		Value	Count	Percent
Standard Attributes	Position Label	15 [q3] Type research data generated or used in typical research project: Other		
Valid Values	0 1	Not Chosen Chosen	362 34	91.4% 8.6%

Q4_Write

		Value	Count	Percent
Standard Attributes	Position Label	16 [q4] Write own program source script?		
Valid Values	1 2	Yes No	133 150	33.6% 37.9%
Missing Values	System		113	28.5%

Q4_ShareScript

		Value	Count	Percent
Standard Attributes	Position Label	17 [q4_1] Share program source script?		
Valid Values	1 2	Yes No	60 79	15.2% 19.9%
Missing Values	System		257	64.9%

Q4_NotTime

		Value	Count	Percent
Standard Attributes	Position Label	18 [q4_1_2] Do not share program source script: Takes lots of time to clean up		
Valid Values	0 1	Not Chosen Chosen	354 42	89.4% 10.6%

Q4_NotCite

		Value	Count	Percent
Standard Attributes	Position Label	19 [q4_1_2] Do not share program source script: It potentially could be used without proper citation		
Valid Values	0 1	Not Chosen Chosen	375 21	94.7% 5.3%

Q4_NotPatent

		Value	Count	Percent
Standard Attributes	Position Label	20 [q4_1_2] Do not share program source script: Possibility to patent the software		
Valid Values	0	Not Chosen	380	96.0%
	1	Chosen	16	4.0%

Q4_NotScript

		Value	Count	Percent
Standard Attributes	Position Label	21 [q4_1_2] Do not share program source script: Only I understand the script		
Valid Values	0	Not Chosen	371	93.7%
	1	Chosen	25	6.3%

Q4_NotAdv

		Value	Count	Percent
Standard Attributes	Position Label	22 [q4_1_2] Do not share program source script: Others may get an advantage		
Valid Values	0	Not Chosen	384	97.0%
	1	Chosen	12	3.0%

Q4_NotApp

		Value	Count	Percent
Standard Attributes	Position Label	23 [q4_1_2] Do not share program source script: My script might be used in commercial applications		
Valid Values	0	Not Chosen	381	96.2%
	1	Chosen	15	3.8%

Q4_NotQues

		Value	Count	Percent
Standard Attributes	Position Label	24 [q4_1_2] Do not share program source script: Dealing with questions from the users		
Valid Values	0	Not Chosen	382	96.5%
	1	Chosen	14	3.5%

Q4_NotOther

		Value	Count	Percent
Standard Attributes	Position Label	25 [q4_1_2] Do not share program source script: Other		
Valid Values	0	Not Chosen	382	96.5%
	1	Chosen	14	3.5%

Q4_HowSend

		Value	Count	Percent
Standard Attributes	Position Label	26 [q4_1_1] How share program source script: Send by request		
Valid Values	0	Not Chosen	359	90.7%
	1	Chosen	37	9.3%

Q4_HowDeposit

		Value	Count	Percent
Standard Attributes	Position Label	27 [q4_1_1] How share program source script: Deposit to file exchange repository		
Valid Values	0	Not Chosen	375	94.7%
	1	Chosen	21	5.3%

Q4_Post

		Value	Count	Percent
Standard Attributes	Position Label	28 [q4_1_1] How share program source script: Post on my website		
Valid Values	0	Not Chosen	390	98.5%
	1	Chosen	6	1.5%

Q4_Other

		Value	Count	Percent
Standard Attributes	Position Label	29 [q4_1_1] How share program source script: Other		
Valid Values	0	Not Chosen	387	97.7%
	1	Chosen	9	2.3%

Q5_Software

		Value	Count	Percent
Standard Attributes	Position Label	30 [q5] Software used for analysis or manipulation of research data		
Valid Values			202	51.0%
	ABAQUS		1	.3%

ABAQUS, EXCEL, MATLAB	1	.3%
ADS(Advanced design System), HFSS, LTspice	1	.3%
all custom written by ourselves	1	.3%
All proprietary finite-element and analytical models	1	.3%
ArcGIS, IDRISI, SPSS	1	.3%
ArcGISENVIS Stella Geomatica	1	.3%
ArcMap	1	.3%
ArcMap, Tableau, Lidar-specific tools.	1	.3%
Autocad, python, basic, fortran	1	.3%
AxoScope, ClampEx, SigmaPlot, SPSS	1	.3%
Axoscope, Clampfit, Dataview, Sigmaplot, Excel	1	.3%
c++, matlab, labview	1	.3%
C++, R, Excel, Text, ROOT	1	.3%
CANOCO, EXCEL	1	.3%
Chemdraw, Microsoft Office (Excel, Word)	1	.3%
CoCoA, Maple, Macaulay	1	.3%
COMSOL, spectrum software	1	.3%
CST Microwave StudioADSMATLAB	1	.3%
EES, Excel	1	.3%
Exal	1	.3%
excel	1	.3%
Excel	1	.3%
excel matlab labview specialised software for gathering data	1	.3%
Excel, Gaussian programs	1	.3%
Excel, ImageJ	1	.3%
Excel, Matlab	3	.8%
Excel, MestReNova (NMR), E-Notebook, Prism, Mendeley (literature research)	1	.3%

Excel, Powerpoint, ChemDraw, Word, SigmaPlot, Instrument specific software (at least four different instrument manufacturers), Gaussian	1	.3%
Excel, Primer, Canoco, ArcMap, R	1	.3%
Excel, R	1	.3%
Excel, R, occasionally JMP	1	.3%
Excel, SigmaPlot	1	.3%
Excel, SPSS, ArcGIS, PC-ORD, ARSTAN, COFECHA, PASSaGE, IDRISI	1	.3%
excel, word	1	.3%
Excel, Word	1	.3%
Excel, Word, Proprietary Software, Zen lite	1	.3%
ExcelJMP statistical software Word ArcGIS	1	.3%
Excel Matlab Origin SigmaPlot	1	.3%
Fortran	1	.3%
FORTRAN, Python, Matlab, Altair HyperWorks, ANSYS	1	.3%
Freemat Excel Veusz Spinworks	1	.3%
GATK, SoapDeNovo, Samtools, Picard, Stack	1	.3%
GMT, iGMT, IGMAS, awk, sed, gnuplot, Matlab, IDL/ENVI, Proj.4, GDAL, ksh, perl, Fortran	1	.3%
Gnuplot	1	.3%
GraphPad prism	1	.3%
Graphpad, Excel, SPSS, FlowJo, ImageJ/FIJI, Aperio	1	.3%
GSXM	1	.3%
HSC Chemistry; Microsoft Excel	1	.3%
Hydraulic modeling software, SPSS, SAS	1	.3%

I use specific software comes with the data logging equipment + Matlab.	1	.3%
IDLirafDS9	1	.3%
imageJ	1	.3%
ImageJ,	1	.3%
ImageJ, GraphPad	1	.3%
IoGas, Aabel, Plasmalab	1	.3%
Jump, Excel, SPSS	1	.3%
Labview, Matlab	1	.3%
Labview, MatLab, Python, Excel	1	.3%
LabVIEW, Microsoft Office, Matlab, Maple, Igor Pro, Sigma Plot	1	.3%
LabVIEW, Python	1	.3%
Latex and Maple	1	.3%
Lumerical FDTD, MATLAB	1	.3%
Macaulay2, Sage, Singular	1	.3%
MacVector (sequence analysis/manipulation), AppleScript, Excel macros	1	.3%
Maple	1	.3%
Maple, Matlab	1	.3%
mathematica	1	.3%
matlab	3	.8%
Matlab	5	1.3%
MATLAB	3	.8%
matlab and C	1	.3%
MATLAB MATLAB TOOLBOXESSIMULINKC++PYTHON	1	.3%
MATLAB, C.	1	.3%
Matlab, Cadence analog IC design environment	1	.3%
matlab, comsol	1	.3%
MATLAB, Eclipse, many data modeling tools (including IBM, Microsoft, etc), R, Statistica, Weka, Microsoft Excel	1	.3%
Matlab, ENVI	1	.3%

matlab, excel	1	.3%
Matlab, Excel	3	.8%
Matlab, Excel, C+, Labview	1	.3%
Matlab, Excel, Predici, Comsol	1	.3%
matlab, fortran, excel, ees,	1	.3%
Matlab, Igor Professional. Origin Professional , Excel	1	.3%
matlab, imagej,	1	.3%
Matlab, intel C++ compiler, boost library	1	.3%
Matlab, Java softwate	1	.3%
Matlab, JMP	1	.3%
matlab, jmp (sas)	1	.3%
Matlab, JMP, Predici	1	.3%
MATLAB, Julia, ROS	1	.3%
Matlab, Labview, Instrument specific software - Oxford, Zeiss, Bruker.	1	.3%
Matlab, Labview, Maple, Origin, Igor, Fimmwave, Lumerical, instrument-specific software for spectrometers (4x), cameras (3x), lasers (10x), etc.	1	.3%
Matlab, LaTeX TexStudio	1	.3%
matlab, maple, mathematics, origin, Labview, PS, Microsoft Office.	1	.3%
Matlab, MathCAD, Nova	1	.3%
Matlab, Microsoft Excel, 3D Slicer	1	.3%
MATLAB, Mimics, gcc, ITK, excel...	1	.3%
Matlab, PREDICI, Excel	1	.3%
matlab, PSIM	1	.3%
Matlab, PSIM, Maple	1	.3%
Matlab, Python, Cytoscape	1	.3%
MATLAB, R	1	.3%
Matlab, Simulink, Excel, several custom data analysis tools	1	.3%

MATLAB, Simulink, Python, C++	1	.3%
MatLab, Slicer, EGS-NRC (Monte Carlo simulations), CERR (Computer Environment for Radiotherapy Research), Excel, etc. (not me personally, the group)	1	.3%
Matlab, Zotero, MS Excel, Eagle, KiCad, Atmel Studio.	1	.3%
MatlabSPSS	1	.3%
Mestrenova	1	.3%
MestReNova	1	.3%
Microsoft Excel	1	.3%
Microsoft Excel, ArcGIS, IDRISI, MapInfo, ENVI, Photoshop, Onset HoboWare, R, SPSS, JMP, WinDendro, ARSTAN, COFECHA,	1	.3%
Microsoft office, ACD NMR	1	.3%
microsoft, image-J, ACD Lab, Origin,	1	.3%
Minitab 17, Excel, XLSTAT	1	.3%
Minitab, Excel	1	.3%
My research is based on building our own set of tools to facilitate the analysis of these models.	1	.3%
MySQL	1	.3%
NA	1	.3%
Network Simulator 3 (NS3); OPNET	1	.3%
nicad	1	.3%
no software needed.	1	.3%
No.	1	.3%
NS3	1	.3%
Numerical python scripts, parallel (compiled) IC generators, parallel (compiled) analysis software	1	.3%
Nvivo	1	.3%

origin 8	1	.3%
origin lab pro 8	1	.3%
perl, python, R, bash, java, latex	1	.3%
Polyworks, Itasca suite, RocScience suite, Photoscan, CloudCompare, ArcGIS, Matlab,	1	.3%
Predici (software for modeling distributed systems such as polymerization); Matlab	1	.3%
PRISM	1	.3%
Prism, Excel, origin	1	.3%
python	1	.3%
Python-Matlab	1	.3%
Python, C++	1	.3%
python, matlab	1	.3%
Python, Matlab, Terrier	1	.3%
Python, R	1	.3%
Quantum Espresso, Gaussian 09,	1	.3%
R	3	.8%
R-Studio	1	.3%
R,	1	.3%
R, ANOVA	1	.3%
R, ArcGIS, QGIS, TextWrangler, Excel,	1	.3%
R, ArcGIS, Visual C	1	.3%
R, EXCEL, JMP, DataGraph, Raven, Audacity, iMovie	1	.3%
R, hadoop, hive	1	.3%
R, MARK, VUE	1	.3%
R, Matlab	1	.3%
R, Matlab, Python, C++, Java, Corel, Latex,	1	.3%
R, Stata	1	.3%
R; origin; matlab; excel	1	.3%
Rapidminer, R, Excel	1	.3%
Robot Operating System	1	.3%
ROOT, C++	2	.5%
SAS, Excel	1	.3%
sigmaplot	1	.3%
Sigmaplot	1	.3%

SigmaPlot, CHEM Draw	1	.3%
Slicer, ImageJ	1	.3%
Specific code for analysis and data management purposes	1	.3%
SpinWorks, ACD labs, Origin, MestReNova, CCDC Mercury, ViewerLite, HypNMR, Hyperquad.	1	.3%
spss	1	.3%
SPSS	3	.8%
SPSS, Excel	2	.5%
SPSS, imageJ, online Bioinformatics database software, Cytoscape	1	.3%
STATA	1	.3%
stella	1	.3%
Surpac, Whittle	1	.3%
Thermo XcaliburProteome DiscovererSeiveGeneious	1	.3%
Unix, R, sometimes Python, mySQL, lots of web-based apps and analysis-specific programs/packages for Unix/R/Python	1	.3%
Visual Basic	1	.3%
Weka	1	.3%
Word, Nvivo, Excel, SPSS	1	.3%
XLS, SPSS, NVIVO	1	.3%

Q6_StoreUSB

		Value	Count	Percent
Standard Attributes	Position Label	31		
		[q6] Where store research data - current project(s): Flash drive/USB		
Valid Values	0	Not Chosen	268	67.7%
	1	Chosen	128	32.3%

Q6_StoreCD

		Value	Count	Percent
Standard Attributes	Position Label	32 [q6] Where store research data - current project(s): CD/DVD		
Valid Values	0	Not Chosen	377	95.2%
	1	Chosen	19	4.8%

Q6_StoreHD

		Value	Count	Percent
Standard Attributes	Position Label	33 [q6] Where store research data - current project(s): Computer hard drive		
Valid Values	0	Not Chosen	204	51.5%
	1	Chosen	192	48.5%

Q6_StoreLap

		Value	Count	Percent
Standard Attributes	Position Label	34 [q6] Where store research data - current project(s): Laptop hard drive		
Valid Values	0	Not Chosen	225	56.8%
	1	Chosen	171	43.2%

Q6_StoreExtHD

		Value	Count	Percent
Standard Attributes	Position Label	35 [q6] Where store research data - current project(s): External hard drive		
Valid Values	0	Not Chosen	226	57.1%
	1	Chosen	170	42.9%

Q6_StoreInst

		Value	Count	Percent
Standard Attributes	Position Label	36 [q6] Where store research data - current project(s): Hard drive of the instrument/sensor which generates the data		
Valid Values	0	Not Chosen	355	89.6%
	1	Chosen	41	10.4%

Q6_StoreDept

		Value	Count	Percent
Standard Attributes	Position Label	37 [q6] Where store research data - current project(s): Share drive/ university or departmental server		
Valid Values	0 1	Not Chosen Chosen	342 54	86.4% 13.6%

Q6_StoreCloud

		Value	Count	Percent
Standard Attributes	Position Label	38 [q6] Where store research data - current project(s): Cloud/web based solution		
Valid Values	0 1	Not Chosen Chosen	287 109	72.5% 27.5%

Q6_StoreExtDR

		Value	Count	Percent
Standard Attributes	Position Label	39 [q6] Where store research data - current project(s): External data repository		
Valid Values	0 1	Not Chosen Chosen	380 16	96.0% 4.0%

Q6_StoreHPC

		Value	Count	Percent
Standard Attributes	Position Label	40 [q6] Where store research data - current project(s): Grid/high performance computing (HPC) centre		
N	Valid Missing	396 0		
Labeled Values	0 1	Not Chosen Chosen	384 12	97.0% 3.0%

Q6_StorePhysical

		Value	Count	Percent
Standard Attributes	Position Label	41 [q6] Where store research data - current project(s): Physical copy retained		
N	Valid Missing	396 0		
Labeled Values	0 1	Not Chosen Chosen	362 34	91.4% 8.6%

Q6_StoreNS

		Value	Count	Percent
Standard Attributes	Position	42		
	Label	[q6] Where store research data - current project(s): Not sure		
N	Valid	396		
	Missing	0		
Labeled Values	0	Not Chosen	392	99.0%
	1	Chosen	4	1.0%

Q6_StoreOther

		Value	Count	Percent
Standard Attributes	Position	43		
	Label	[q6] Where store research data - current project(s): Other		
N	Valid	396		
	Missing	0		
Labeled Values	0	Not Chosen	387	97.7%
	1	Chosen	9	2.3%

Q7_Understand

		Value	Count	Percent
Standard Attributes	Position	44		
	Label	[q7] Sufficient documentation to understand and use research data?		
Valid Values	1	Yes	114	28.8%
	2	No	78	19.7%
	3	Not sure	91	23.0%
Missing Values	System		113	28.5%

Q8_Replicate

		Value	Count	Percent
Standard Attributes	Position	45		
	Label	[q8] Sufficient documentation to replicate methodologies		
Valid Values	1	Yes	120	30.3%
	2	No	80	20.2%
	3	Not sure	82	20.7%
Missing Values	System		114	28.8%

Q9_KeepSource

		Value	Count	Percent
Standard Attributes	Position Label	46 [q9.0] Length of time after project completion keep type of research data: source materials/raw data		
Valid Values	1	I only keep data for the length of the project	21	5.3%
	2	Less than 3 years	37	9.3%
	3	Between 3-5 years	48	12.1%
	4	Between 5-10 years	23	5.8%
	5	More than 10 years	18	4.5%
	6	Until the data becomes inaccessible or lost	132	33.3%
Missing Values	System		117	29.5%

Q9_KeepWork

		Value	Count	Percent
Standard Attributes	Position Label	47 [q9.1] Length of time after project completion keep type of research data: intermediate/working data		
Valid Values	1	I only keep data for the length of the project	38	9.6%
	2	Less than 3 years	40	10.1%
	3	Between 3-5 years	45	11.4%
	4	Between 5-10 years	18	4.5%
	5	More than 10 years	15	3.8%
	6	Until the data becomes inaccessible or lost	121	30.6%
Missing Values	System		119	30.1%

Q9_KeepPub

		Value	Count	Percent
Standard Attributes	Position Label	48 [q9.2] Length of time after project completion keep type of research data: processed data ready for publication		
Valid Values	1	I only keep data for the length of the project	18	4.5%
	2	Less than 3 years	24	6.1%
	3	Between 3-5 years	41	10.4%
	4	Between 5-10 years	23	5.8%
	5	More than 10 years	25	6.3%
	6	Until the data becomes inaccessible or lost	146	36.9%
Missing Values	System		119	30.1%

Section 2: Data Sharing

In this section you will be asked about your current practices and opinions on sharing your research data.

Q10_ShareDataNo

		Value	Count	Percent
Standard Attributes	Position Label	49		
Valid Values	0	[q10] Methods of sharing research data currently use: Not currently sharing		
	1	Not Chosen	292	73.7%
		Chosen	104	26.3%

Q10_ShareDataRequest

		Value	Count	Percent
Standard Attributes	Position Label	50		
Valid Values	0	[q10] Methods of sharing research data currently use: Share by personal request only		
	1	Not Chosen	275	69.4%
		Chosen	121	30.6%

Q10_ShareDataOnline

		Value	Count	Percent
Standard Attributes	Position Label	51		
Valid Values	0	[q10] Methods of sharing research data currently use: Share online with restricted access		
	1	Not Chosen	362	91.4%
		Chosen	34	8.6%

Q10_ShareDataWeb

		Value	Count	Percent
Standard Attributes	Position Label	52		
Valid Values	0	[q10] Methods of sharing research data currently use: Upload online to an institutional or personal website		
	1	Not Chosen	376	94.9%
		Chosen	20	5.1%

Q10_ShareDataPub

		Value	Count	Percent
Standard Attributes	Position Label	53		
Valid Values	0	[q10] Methods of sharing research data currently use: Supplementary material files to a journal publisher		
	1	Not Chosen	368	92.9%
		Chosen	28	7.1%

Q10_ShareDataRep

		Value	Count	Percent
Standard Attributes	Position Label	54 [q10] Methods of sharing research data currently use: Deposit in a general or discipline-specific repository		
Valid Values	0	Not Chosen	378	95.5%
	1	Chosen	18	4.5%

Q12_RestrictNo

		Value	Count	Percent
Standard Attributes	Position Label	55 [q12] Restrictions to sharing data: No restrictions or embargoes		
Valid Values	0	Not Chosen	316	79.8%
	1	Chosen	80	20.2%

Q12_RestrictPublish

		Value	Count	Percent
Standard Attributes	Position Label	56 [q12] Restrictions to sharing data: Publish data before sharing		
Valid Values	0	Not Chosen	282	71.2%
	1	Chosen	114	28.8%

Q12_RestrictRights

		Value	Count	Percent
Standard Attributes	Position Label	57 [q12] Restrictions to sharing data: Jeopardize Intellectual Property Rights		
Valid Values	0	Not Chosen	346	87.4%
	1	Chosen	50	12.6%

Q12_RestrictPatent

		Value	Count	Percent
Standard Attributes	Position Label	58 [q12] Restrictions to sharing data: Filing for patent		
Valid Values	0	Not Chosen	374	94.4%
	1	Chosen	22	5.6%

Q12_RestrictCom

		Value	Count	Percent
Standard Attributes	Position Label	59 [q12] Restrictions to sharing data: Commercially vulnerable		
Valid Values	0 1	Not Chosen Chosen	379 17	95.7% 4.3%

Q12_RestrictObl

		Value	Count	Percent
Standard Attributes	Position Label	60 [q12] Restrictions to sharing data: Contactual obligations to third party		
Valid Values	0 1	Not Chosen Chosen	358 38	90.4% 9.6%

Q12_RestrictPri

		Value	Count	Percent
Standard Attributes	Position Label	61 [q12] Restrictions to sharing data: Subject to privacy or confidentiality restrictions		
Valid Values	0 1	Not Chosen Chosen	366 30	92.4% 7.6%

Q12_RestrictSafety

		Value	Count	Percent
Standard Attributes	Position Label	62 [q12] Restrictions to sharing data: Public safety or sensitive nature		
Valid Values	0 1	Not Chosen Chosen	388 8	98.0% 2.0%

Q12_RestrictDK

		Value	Count	Percent
Standard Attributes	Position Label	63 [q12] Restrictions to sharing data: Unsure if allowed to share		
Valid Values	0 1	Not Chosen Chosen	364 32	91.9% 8.1%

Q12_RestrictOther

		Value	Count	Percent
Standard Attributes	Position	64		
	Label	[q12] Restrictions to sharing data: Other		
N	Valid	396		
	Missing	0		
Labeled Values	0	Not Chosen	386	97.5%
	1	Chosen	10	2.5%

Q13_ShareNo

		Value	Count	Percent
Standard Attributes	Position	65		
	Label	[q13] No restriction with whom would you share data: Nobody		
Valid Values	0	Not Chosen	385	97.2%
	1	Chosen	11	2.8%

Q13_ShareColl

		Value	Count	Percent
Standard Attributes	Position	66		
	Label	[q13] No restriction with whom would you share data: My immediate collaborators		
Valid Values	0	Not Chosen	253	63.9%
	1	Chosen	143	36.1%

Q13_ShareDept

		Value	Count	Percent
Standard Attributes	Position	67		
	Label	[q13] No restriction with whom would you share data: Researchers in my department/institute/centre		
Valid Values	0	Not Chosen	315	79.5%
	1	Chosen	81	20.5%

Q13_ShareQU

		Value	Count	Percent
Standard Attributes	Position	68		
	Label	[q13] No restriction with whom would you share data: Researchers at Queen's University		
Valid Values	0	Not Chosen	330	83.3%
	1	Chosen	66	16.7%

Q13_ShareField

		Value	Count	Percent
Standard Attributes	Position Label	69		
		[q13] No restriction with whom would you share data: Researchers in my field		
Valid Values	0	Not Chosen	275	69.4%
	1	Chosen	121	30.6%

Q13_ShareOut

		Value	Count	Percent
Standard Attributes	Position Label	70		
		[q13] No restriction with whom would you share data: Researchers outside my field		
Valid Values	0	Not Chosen	367	92.7%
	1	Chosen	29	7.3%

Q13_SharePublic

		Value	Count	Percent
Standard Attributes	Position Label	71		
		[q13] No restriction with whom would you share data: Anybody, including the general public		
Valid Values	0	Not Chosen	325	82.1%
	1	Chosen	71	17.9%

Q14_NotShareInc

		Value	Count	Percent
Standard Attributes	Position Label	72		
		[q14] Reasons not share research data and associated methods/algorithms: Incomplete or not finished		
Valid Values	0	Not Chosen	284	71.7%
	1	Chosen	112	28.3%

Q14_NotShareValue

		Value	Count	Percent
Standard Attributes	Position Label	73		
		[q14] Reasons not share research data and associated methods/algorithms: Can still derive value from data		
Valid Values	0	Not Chosen	313	79.0%
	1	Chosen	83	21.0%

Q14_NotShareKnow

		Value	Count	Percent
Standard Attributes	Position Label	74 [q14] Reasons not share research data and associated methods/algorithms: Do not have the technical skills or knowledge		
Valid Values	0	Not Chosen	387	97.7%
	1	Chosen	9	2.3%

Q14_NotShareRights

		Value	Count	Percent
Standard Attributes	Position Label	75 [q14] Reasons not share research data and associated methods/algorithms: Do not hold the rights to share data		
Valid Values	0	Not Chosen	349	88.1%
	1	Chosen	47	11.9%

Q14_NotShareRequire

		Value	Count	Percent
Standard Attributes	Position Label	76 [q14] Reasons not share research data and associated methods/algorithms: Funding body does not require sharing		
Valid Values	0	Not Chosen	385	97.2%
	1	Chosen	11	2.8%

Q14_NotShareNot

		Value	Count	Percent
Standard Attributes	Position Label	77 [q14] Reasons not share research data and associated methods/algorithms: Data should not be shared		
Valid Values	0	Not Chosen	380	96.0%
	1	Chosen	16	4.0%

Q14_NotShareDK

		Value	Count	Percent
Standard Attributes	Position Label	78 [q14] Reasons not share research data and associated methods/algorithms: Did not know could share them		
Valid Values	0	Not Chosen	392	99.0%
	1	Chosen	4	1.0%

Q14_NotShareTime

		Value	Count	Percent
Standard Attributes	Position Label	79 [q14] Reasons not share research data and associated methods/algorithms: Insufficient time		
Valid Values	0 1	Not Chosen Chosen	352 44	88.9% 11.1%

Q14_NotShareStand

		Value	Count	Percent
Standard Attributes	Position Label	80 [q14] Reasons not share research data and associated methods/algorithms: Lack of standards		
Valid Values	0 1	Not Chosen Chosen	352 44	88.9% 11.1%

Q14_NotShareFund

		Value	Count	Percent
Standard Attributes	Position Label	81 [q14] Reasons not share research data and associated methods/algorithms: Lack of funding		
N	Valid Missing	396 0		
Labeled Values	0 1	Not Chosen Chosen	379 17	95.7% 4.3%

Q14_NotSharePlace

		Value	Count	Percent
Standard Attributes	Position Label	82 [q14] Reasons not share research data and associated methods/algorithms: No place to put data		
N	Valid Missing	396 0		
Labeled Values	0 1	Not Chosen Chosen	378 18	95.5% 4.5%

Q14_NotShareUse

		Value	Count	Percent
Standard Attributes	Position Label	83 [q14] Reasons not share research data and associated methods/algorithms: Data not useful to others		
N	Valid Missing	396 0		
Labeled Values	0 1	Not Chosen Chosen	369 27	93.2% 6.8%

Q14_NotSharePri

		Value	Count	Percent
Standard Attributes	Position Label	84		
		[q14] Reasons not share research data and associated methods/algorithms: Privacy, legal or security issues		
N	Valid	396		
	Missing	0		
Labeled Values	0	Not Chosen	357	90.2%
	1	Chosen	39	9.8%

Q14_NotShareWill

		Value	Count	Percent
Standard Attributes	Position Label	85		
		[q14] Reasons not share research data and associated methods/algorithms: I am willing to share them		
N	Valid	396		
	Missing	0		
Labeled Values	0	Not Chosen	321	81.1%
	1	Chosen	75	18.9%

Q14_NotShareOther

		Value	Count	Percent
Standard Attributes	Position Label	86		
		[q14] Reasons not share research data and associated methods/algorithms: Other		
N	Valid	396		
	Missing	0		
Labeled Values	0	Not Chosen	385	97.2%
	1	Chosen	11	2.8%

Q15_BenefitNo

		Value	Count	Percent
Standard Attributes	Position Label	87		
		[q15] Benefits to sharing your research data: No benefits to sharing my data		
Valid Values	0	Not Chosen	360	90.9%
	1	Chosen	36	9.1%

Q15_BenefitSafe

		Value	Count	Percent
Standard Attributes	Position Label	88		
		[q15] Benefits to sharing your research data: Safeguards against misconduct, data fabrication and falsification		
Valid Values	0	Not Chosen	305	77.0%
	1	Chosen	91	23.0%

Q15_BenefitHelp

		Value	Count	Percent
Standard Attributes	Position Label	89 [q15] Benefits to sharing your research data: Help in the training of next generation researchers		
Valid Values	0	Not Chosen	268	67.7%
	1	Chosen	128	32.3%

Q15_BenefitCite

		Value	Count	Percent
Standard Attributes	Position Label	90 [q15] Benefits to sharing your research data: Enables my data to be cited and increases my research impact		
Valid Values	0	Not Chosen	274	69.2%
	1	Chosen	122	30.8%

Q15_BenefitColl

		Value	Count	Percent
Standard Attributes	Position Label	91 [q15] Benefits to sharing your research data: Encourages collaborative science		
Valid Values	0	Not Chosen	243	61.4%
	1	Chosen	153	38.6%

Q15_BenefitInter

		Value	Count	Percent
Standard Attributes	Position Label	92 [q15] Benefits to sharing your research data: Encourages interdisciplinary research		
Valid Values	0	Not Chosen	288	72.7%
	1	Chosen	108	27.3%

Q15_BenefitMove

		Value	Count	Percent
Standard Attributes	Position Label	93 [q15] Benefits to sharing your research data: Moves my field of research forward		
Valid Values	0	Not Chosen	281	71.0%
	1	Chosen	115	29.0%

Q15_BenefitReduce

		Value	Count	Percent
Standard Attributes	Position Label	94 [q15] Benefits to sharing your research data: Reduces redundant data collection		
Valid Values	0 1	Not Chosen Chosen	308 88	77.8% 22.2%

Q15_BenefitOA

		Value	Count	Percent
Standard Attributes	Position Label	95 [q15] Benefits to sharing your research data: Supports open access to knowledge		
Valid Values	0 1	Not Chosen Chosen	293 103	74.0% 26.0%

Q15_BenefitAnalysis

		Value	Count	Percent
Standard Attributes	Position Label	96 [q15] Benefits to sharing your research data: Re-analysis of data helps verify results		
N	Valid Missing	396 0		
Labeled Values	0 1	Not Chosen Chosen	288 108	72.7% 27.3%

Q15_BenefitIntegrity

		Value	Count	Percent
Standard Attributes	Position Label	97 [q15] Benefits to sharing your research data: Well-maintained data helps retain data integrity		
N	Valid Missing	396 0		
Labeled Values	0 1	Not Chosen Chosen	312 84	78.8% 21.2%

Q15_BenefitOther

		Value	Count	Percent
Standard Attributes	Position Label	98 [q15] Benefits to sharing your research data: Other		
N	Valid Missing	396 0		
Labeled Values	0 1	Not Chosen Chosen	382 14	96.5% 3.5%

Section 3: Funding Mandates and Research Data Management Services

In this section you will be asked about your awareness of funding mandates for research data management, as well as your interest in potential research data management services.

Q17_DMP

		Value	Count	Percent
Standard Attributes	Position Label	99		
Valid Values	1	[q17] Statement best describes ability to draft Data Management Plan I would be able to draft a data management plan that would address these types of questions without assistance	43	10.9%
	2	I would be able to draft a data management plan that would address these types of questions, but would prefer to have as	74	18.7%
	3	I would need assistance and / or or guided documentation to appropriately address some or all of the sections	103	26.0%
Missing Values	System		176	44.4%

Q18_ServiceFaculty

		Value	Count	Percent
Standard Attributes	Position Label	100		
Valid Values	1	[q18.0] Interest in following services: Workshops on best practices in data management for faculty very interested	49	12.4%
	2	interested	79	19.9%
	3	not interested	34	8.6%
	4	not applicable	57	14.4%
Missing Values	System		177	44.7%

Q18_ServiceGrad

		Value	Count	Percent
Standard Attributes	Position Label	101		
Valid Values	1	[q18.1] Interest in following services: Workshops on best practices in data management for graduate students very interested	74	18.7%
	2	interested	92	23.2%
	3	not interested	31	7.8%
	4	not applicable	22	5.6%
Missing Values	System		177	44.7%

Q18_ServiceConsult

		Value	Count	Percent
Standard Attributes	Position Label	102 [q18.2] Interest in following services: Personalized consultation on data management practices		
Valid Values	1	very interested	56	14.1%
	2	interested	103	26.0%
	3	not interested	39	9.8%
	4	not applicable	21	5.3%
Missing Values	System		177	44.7%

Q18_ServiceComm

		Value	Count	Percent
Standard Attributes	Position Label	103 [q18.3] Interest in following services: Communication and information about funding requirements and journal requirements		
Valid Values	1	very interested	55	13.9%
	2	interested	126	31.8%
	3	not interested	23	5.8%
	4	not applicable	15	3.8%
Missing Values	System		177	44.7%

Q18_ServiceDMP

		Value	Count	Percent
Standard Attributes	Position Label	104 [q18.4] Interest in following services: Assistance preparing data management plans or creating data management policies		
Valid Values	1	very interested	59	14.9%
	2	interested	110	27.8%
	3	not interested	29	7.3%
	4	not applicable	21	5.3%
Missing Values	System		177	44.7%

Q18_ServiceDigit

		Value	Count	Percent
Standard Attributes	Position Label	105 [q18.5] Interest in following services: Digitization of physical records, such as lab notebooks		
Valid Values	1	very interested	47	11.9%
	2	interested	74	18.7%
	3	not interested	66	16.7%
	4	not applicable	32	8.1%
Missing Values	System		177	44.7%

Q18_ServiceDoc

		Value	Count	Percent
Standard Attributes	Position Label	106 [q18.6] Interest in following services: Assistance with documenting and describing data		
Valid Values	1	very interested	53	13.4%
	2	interested	81	20.5%
	3	not interested	60	15.2%
	4	not applicable	25	6.3%
Missing Values	System		177	44.7%

Q18_ServicePres

		Value	Count	Percent
Standard Attributes	Position Label	107 [q18.7] Interest in following services: Assistance with issues associated with data preservation and/or sharing		
Valid Values	1	very interested	51	12.9%
	2	interested	100	25.3%
	3	not interested	54	13.6%
	4	not applicable	14	3.5%
Missing Values	System		177	44.7%

Q18_ServiceStore

		Value	Count	Percent
Standard Attributes	Position Label	108 [q18.8] Interest in following services: Data storage and backup during active research projects		
Valid Values	1	very interested	66	16.7%
	2	interested	90	22.7%
	3	not interested	48	12.1%
	4	not applicable	15	3.8%
Missing Values	System		177	44.7%

Q18_ServiceRepository

		Value	Count	Percent
Standard Attributes	Position Label	109 [q18.9] Interest in following services: Institutional repository for long-term access and preservation of research data		
Valid Values	1	very interested	70	17.7%
	2	interested	93	23.5%
	3	not interested	39	9.8%
	4	not applicable	17	4.3%
Missing Values	System		177	44.7%

Q18_ServiceAssist

		Value	Count	Percent
Standard Attributes	Position Label	110 [q18.10] Interest in following services: Assistance with depositing research data in repositories		
Valid Values	1	very interested	40	10.1%
	2	interested	102	25.8%
	3	not interested	57	14.4%
	4	not applicable	20	5.1%
Missing Values	System		177	44.7%

Q18_ServiceDOI

		Value	Count	Percent
Standard Attributes	Position Label	111 [q18.11] Interest in following services: Assignment of permanent digital object identifiers (DOIs) for datasets		
Valid Values	1	very interested	47	11.9%
	2	interested	98	24.7%
	3	not interested	49	12.4%
	4	not applicable	25	6.3%
Missing Values	System		177	44.7%

Q18_ServiceSource

		Value	Count	Percent
Standard Attributes	Position Label	112 [q18.12] Interest in following services: Assistance in finding and accessing data sources		
Valid Values	1	very interested	52	13.1%
	2	interested	101	25.5%
	3	not interested	44	11.1%
	4	not applicable	21	5.3%
Missing Values	System		178	44.9%

Section 4: Demographic & General Questions

In this section you will be asked basic questions about your rank, departmental and research affiliations and funding sources so we can put your answers into context.

Q20_RankGR

		Value	Count	Percent
Standard Position		113		
Attributes Label		[Q20] Rank [grouped]		
Valid Values	1	Graduate Student	125	31.6%
	2	Faculty and Postdoctoral Fellow	81	20.5%
	3	Other	10	2.5%
	4	Not Declared	180	45.5%

Based on Q20_Rank (removed from Public dataset).

Values in original dataset were:

Graduate Student

Postdoctoral Fellow

Lecturer

Adjunct Professor

Assistant/Associate/Full Professor

Professor Emeritus

Other

Q21_FacultyGR

		Value	Count	Percent
Standard Position		114		
Attributes Label		[q21] Faculty, home institute or department at Queen's University [grouped]		
Valid Values	1	Faculty of Engineering and Applied Science	78	19.7%
	2	Faculty of Arts and Science	135	34.1%
	3	Other	3	.8%
Missing Values	System		180	45.5%

Based on Q21_Faculty (removed from Public dataset)

Values on original dataset were:

Department of Chemical Engineering

Department of Civil Engineering

Department of Electrical and Computer Engineering

Department of Mechanical and Materials

The Robert M. Buchan Department of Mining

Department of Biology

Department of Chemistry

Department of Geography and Planning

Department of Geological Sciences and Geological Engineering

Department of Mathematics and Statistics

Department of Physics, Engineering Physics & Astronomy

School of Computing

School of Environmental Studies

Other

Q26_Contact

		Value	Count	Percent
Standard Attributes	Position	115		
	Label	[q26] Contacted for follow up		
Valid Values	1	Yes, please provide your email address:	49	12.4%
	2	No	152	38.4%
Missing Values	System		195	49.2%

RELATED PUBLICATIONS

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Paper presented at the IATUL 2016 Conference

[Research Data Management \(RDM\) Needs of Science and Engineering Researchers: A View from Canada](#)

Poster presented at the IASSIST 2016 Conference

DOCUMENTATION

[Report on Data Management Survey of Queen's University Engineering and Science Departments](#)

[Questionnaire](#)

CITATION

The publishing of analysis and results from research using this data is permitted in research communications such as scholarly papers, journals and the like. Authors of such communications are required to cite the source of the data, *name of funding agency* as the funding agency for the data, and to indicate that results or views expressed are those of the author/authorized user.

This survey data should be referenced as follows:

Tatiana Zaraiskaya; Alexandra Cooper; Jeff Moon; Sharon Murphy; Nasser Saleh. 2016. **Research Data Management (RDM) Survey of Queen's University's Engineering and Science Departments**. Academic Services, Queen's University Library [producer], Data Services, Queen's University Library [distributor]. <http://hdl.handle.net/10864/11651>.

Any questions about the data set or its use should be directed to:

Data Services, Academic Services

Queen's University Library

Kingston ON

Email: academic.services@queensu.ca

<http://library.queensu.ca/data>