



English ▼

## 0-INTRODUCTION

### About this Survey

The digital environment and tools progressively adopted in the academic research are generating massive amounts of data, which will require technical skills as well as critical awareness and engagement.

This survey proposes a number of questions that explore how data is perceived and used in research.

Through your kind collaboration, we will be able of understanding eventual skills' gap, and how do the participants search for the resources, activities and relationships that lead them to professional learning opportunities.

You can visit the project's website to see a set of dynamic visualizations and the survey's final report.

The questionnaire is divided in three main parts:

**1. Professional Profile** - 5 questions.

**2. Data Practices in Research** - 4 questions.

**3. Learning about Data Practices in Research** - 8 questions (4 voluntary response).

**The estimated time of response is: 10-12 minutes**

**Thank you very much for your valuable time!**

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### Informed Consent for Data Processing

In this form we will collect your opinions for the purposes of this research. Your identity will be protected by archiving the original answers in encrypted files located at the Universitat Oberta de Catalunya.

The data collected will be processed, aggregated and used for the research communication and dissemination. The data which is not sensitive and cannot reveal your identity could be published as Open Data for future research. By giving your consent you agree to this processing.

In accordance with the General Data Processing Regulation, you may request further information on how your personal data is used by writing to Juliana E. Raffaghelli: [jraffaghelli@uoc.edu](mailto:jraffaghelli@uoc.edu)

I agree

I don't agree - Exit the Survey

### Important Notice

Along this questionnaire, we will use the concept of "data", which indeed could enclose many meanings. In this survey, we will define data as "all the molecular pieces compounding the flows of information in your activity, such as numbers, text, images, etc. which can be processed by either quantifying or aggregating for the purposes of interpretation, visualization and communication".

Moreover, we will mostly refer to digital data.

You can also see: <https://en.wikipedia.org/wiki/Data>

## 1- PROFESSIONAL PROFILE

### Gender

### Age

(in years)

### Country

Please indicate the country where it is located the institution for which you are currently working.

### Research Field

Select the research field where you would place your research topics and interests. The nomenclature used is the UNESCO: <http://skos.um.es/unesco6/00/html>

### Professional Experience in Research

Please refer only to your experience in Research, in years.

### Professional Experience in Teaching

Please refer only to your experience as university teacher, in years.

## 2- DATA PRACTICES IN RESEARCH

In the last year, how frequently have you engaged in one of the following research-related activities: **Seeking and retrieving research data?**

Please consider the following values:

1=Never ; 2=Sometimes; 3=About half the time; 4=Most of the time; 5=Always

	1	2	3	4	5
I generated my own data upon one or more data collection methods (surveys, interviews, observation, fieldnotes, manual extraction from social networks, forum, platforms or websites)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I extracted (with automated procedures) massive amounts of digitalized data from the WWW, digital platforms, social networks, apps or via IoT (Internet of Things) devices/sensors.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I sought in Open Data portals (OpenAire, Eudat, Open Data Research Network, Zenodo, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In the last year, how frequently have you engaged in one of the following research-related activities: **Managing and processing research data ?**

Please consider the following values:

1=Never ; 2=Sometimes; 3>About half the time; 4=Most of the time; 5=Always

	1	2	3	4	5
I adopted restricted access research data processing tools (Excel, SPSS, MatLab, NVIVO, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I generated "traditional" graphics and representations over the basis of my research data (like histograms, pie charts, dispersion graphs, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I generated open and dynamic visualizations (where the user can interact with research notes, labels, zooming into particular categories of data) with my research data.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I collaborated in data processing activities adopting specific/restricted access instruments.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I collaborated in data processing activities adopting open source instruments.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In the last year, how frequently have you engaged in one of the following research-related activities: **Sharing research data ?**

Please consider the following values:

1=Never ; 2=Sometimes; 3>About half the time; 4=Most of the time; 5=Always

	1	2	3	4	5
I published the data of my ongoing, unpublished or published research on an open data repository (Figshare, Zenodo, Mendeley Data, etc.) or my University Institutional Repository	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I published the data of my ongoing, unpublished or published research on my personal or institutional blog	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4	5
I shared the data of my ongoing, unpublished or published research through academic social networks (Research Gate, Academia.edu, LinkedIn, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I shared the data of my published research through non-open digital environments for teaching (eLearning platforms)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I shared the data of my published research through open digital environments for teaching (open eLearning platforms, social networks, videos)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I shared my ongoing, unpublished or published research through social media (social networks, video); eventually I provided supplements/appendixes on data procedures.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I shared my ongoing, unpublished or research through activities with schools or civil society organizations, explaining data procedures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In the last year, how frequently have you engaged in one of the following research-related activities: **Evaluating Research Quality through data ?**

Please consider the following values:

1=Never ; 2=Sometimes; 3>About half the time; 4=Most of the time; 5=Always

	1	2	3	4	5
I analysed the quality of research data by using standard principles (e.g., the "FAIR DATA PRINCIPLES")	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I reflected on ethical aspects of data extraction, treatment and presentation in own research field	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I analysed own or colleagues' scientific production using traditional indicators (h-index, impact factor, number of publications)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I analysed own or colleagues' scientific production using emerging indicators (altmetrics, social network scores, followers, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I criticized/advocated for new forms of research evaluation beyond traditional metrics.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**3- LEARNING ABOUT DATA PRACTICES IN RESEARCH**

Now you have seen some of the activities within each of the phases of Research Data Management, please consider your current situation and reply only according your personal learning needs.

What **relevance would you give to learning/skills acquisition in the following areas of data literacy** in RESEARCH? And what is the **actual relevance given by your institution** to the topic?

Please consider the following values:

0=Irrelevant ; 1= Somehow relevant; 2= Relevant

	You			Your Institution		
	0	1	2	0	1	2
Seeking and Retrieving Data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing Data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sharing Data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Evaluating through Data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In the last three years, how often have you engaged in **activities to update your skills** relating research data practices?

Please consider the following values:

1=Never ; 2=Sometimes; 3=About half the time; 4=Most of the time; 5=Always

*I have engaged in...*

	1	2	3	4	5
...face-to-face courses, seminars, conferences offered by the institution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...in online courses, seminars, conferences offered by the institution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...online courses, seminars, conferences on my own initiative	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...in study groups promoted by my institution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...study groups outside my institution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...social network sites to find information or resources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...social network sites to share information and/or discuss techniques, topics and problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In the last three years, how often did you search, collect or consult **resources in order to update your skills** related to your research data practices?

Please consider the following values:

1=Never ; 2=Sometimes; 3=About half the time; 4=Most of the time; 5=Always

*I have sought/collected/consulted...*

	1	2	3	4	5
...books or scientific articles suggested by my institution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...open resources or social media suggested by my institution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...books or scientific articles I find myself	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...open resources or social media I find myself	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4	5
...videos and tutorials suggested by my institution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...open videos and tutorials I found myself	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In the last three years, how often did you generated or cultivated **relationships in order to update your skills** related to your research data practices?

Please consider the following values:

1=Never ; 2=Sometimes; 3=About half the time; 4=Most of the time; 5=Always

*I have engaged...*

	1	2	3	4	5
...with my co-workers, mainly onsite, to ask for information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...with co-workers, both onsite and online, to discuss and think about problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...with other experts in my field, both onsite or online, to ask for information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...with other experts in my field, both onsite or online, to discuss and think about problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...with other persons (including family and friends) to ask for information that can be connected to my ongoing professional activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...with other persons (including family and friends) to discuss and think about problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Can you give one or two examples of the resources, activities and relationships you engaged with to learn?

Which are the **factors that drive your decision to improve your professional knowledge and skills** on research data practices?

Please order the several factors (moving the text-box up and down) according to **your current situation**, not an ideal situation.

Mostly personal interest

Personal interest stimulated by my colleagues/team

Institutional suggestion based on a specific project

Institutional suggestion based on established institutional and national policies

Institutional/national or transnational compulsory regulations

**FINAL MESSAGE**

You are almost done!

Please use this text box to tell us about your opinion on the survey, the topics, or any eventual comment you might share with us.

**Would you'd like to receive project's updates?**

Please write your email below. We'll contact you soon with news on the survey's report, discussions, webinars and other resources to keep reflecting on data practices in Research.

This is an optional question so you can skip it if is not your case.

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