MELODY

MELODY - *Make mE a Linked Open Data StorY* is a flexible dashboarding system that allows users familiar with Linked Open Data to create web-ready data stories via user-friendly interfaces. Data visualizations can be created by querying a SPARQL endpoint, and charts can be accompanied by curated contents.

Specifically, users can:

- Access data from any SPARQL endpoint.
- Choose a layout template for the story.
- Include charts, sections, filters, and descriptions.
- Preview the final data story while creating it.
- Embed or export the data story and single charts in several formats.
- Authenticate with GitHub to create and publish a story.

With this survey we would like to evaluate how well the platform is so far and what can be improved.

The form takes about 15-20 minutes to complete.

* Indica una domanda obbligatoria

PRIVACY AND DATA COLLECTION POLICIES

Consent to the processing of data

By participating in this questionnaire, you consent to the processing of personal data for scientific and statistical research purposes in the manner and for the reasons described in the section entitled Regulation (EU) 2016/679 of the European Parliament and of the Legislative Decree no. 196 dated 30/06/2003 and subsequent amendments and additions and having read the "Information on processing the personal data".

Information on the processing of personal data

Pursuant to Regulation (EU) 2016/679 of the European Parliament and of the Council (General Data Protection Regulation), please note that Alma Mater Studiorum - University of Bologna is the Data Controller and will process personal data in accordance with the requirements of Regulation (EU) 2016/679 (General Data Protection Regulation) and Legislative Decree no. 196 of 30 June 2003 and subsequent amendments and additions (Personal Data Protection Code).

No identification data will be collected (example: first name, surname, etc.). For more information see "Information on the processing of personal data". Personal data without identifying details may also be disclosed to third parties for research purposes. In particular, the data can be communicated to the partners of the MELODY project and related projects respecting the activities and purposes pursued by the project.

The data collected and stored for the realization of the study in question will be kept and published according to F.A.I.R. principles to ensure the reproducibility and transparency of the results of the research until the end of the project (April 2024).

Purposes and methods of processing

Your personal data and, in particular, data relating to knowledge of music heritage, sound tradition and music content, will be processed by specifically authorized persons, for the following purposes:

(A) Research participation and related operations and activities

If you agree to participate in the research in question, some of your personal data will be collected through: Questionnaires (paper and/or online)

No identifying data will be collected (for example: name, surname, etc.); however, in special circumstances, the registration of the IP address through the software used for the survey and / or the answer provided to some questions (for example, if your age or origin is likely to identify you) it may lead to the possibility of indirectly tracing the answers provided to you. It should be noted, however, that for no reason will the data be processed by authorized personnel (eg: scientific manager and other researchers) with the aim of proceeding to the mere identification of the participant.

Personal data without identifying details may also be disclosed to third parties for research purposes. In particular, the data can be communicated to the partners of the MELODY project and related projects respecting the activities and purposes pursued by the project.

The data collected and stored for the realization of the study in question will be kept and published according to F.A.I.R. principles to ensure the reproducibility and transparency of the results of the research until the end of the project (April 2024).

(A1) Information on transfer to a territory outside the EU

Your personal data may be transferred, without your identification, to a country outside the European Union or an international organisation; in particular, it will be transferred to The Open University (UK) and King's

College London (UK), both project partners.

(A2) Information on dissemination

The data will only be disseminated in a strictly anonymous form, for example through scientific publications, statistics and scientific conferences. We would like to emphasize that, if the interview, in any case without identification data, turns out to be socially useful and usable for dissemination activities, this could be - with your consent - object of communication and/or dissemination. The communication or disclosure of the data described above will take place, with your consent, only after an assessment of the relevance and not of the excess of processing with respect to the purposes of the collection or if the lack of publication of what emerged in the interview can adversely affect the quality of the research/ study. The recording of the interview and/or the transcription of the content, in any case without identification data, could be communicated to the project partners and be the subject of dissemination/publication (for example in scientific journals, the Internet, databases accessible to other researchers, institutional or disciplinary data repositories, information systems for document management managed by individual research institutions or by associations and consortia of research institutions for a particular scientific community, in which the data and their meta-information is stored securely and reliably in such a way as to guarantee its authenticity and inalterability and distributed to the public free and open, etc.). If you are a known person or if you have a public function in a particular role or position, it may be in the public interest or socially appreciable to make known to third parties information arising from the interview concerning the institution or role you represent (including, for example, first and last names). You can then request that your identifying data be processed and disseminated for the following purposes:

- in order to enable the processing and dissemination of information which, because of the nature of its role, enables researchers to discover, interpret and review theories, facts and behavior relating to the field of knowledge on topics above;
- deposit of project documents containing your data on institutional or disciplinary data repositories;
- so that the information provided contributes to the formation of public opinion on your views and/or facts relevant to the community. The images can be distributed according to Law n. 150/2000, "Discipline of information and communication activities of public administrations", on institutional sites and through social network channels (by way of example but certainly not exhaustive, Facebook, Twitter, Youtube). Finally, it is specified that your consent to the communication and/or dissemination of your interview implies the granting of a non-exclusive license, without limits of duration and worldwide, transferable to third parties, for the use of the images.

This license includes the rights set out in Articles 12 and ss. Law No. 633/1941, also by way of example but not exhaustive: right of publication; right of reproduction in any way or form; right of transcription, editing, adaptation, processing and reduction; right of communication and distribution to the public, including projection, transmission and broadcasting rights (for example, via iptv, mobile terminals, voip,

digital channels, etc.), also in a synthetic and/or reduced version, by any technical means, the right to keep a copy of the images, also in electronic format and on any known or future technological support for the purposes and within the limits defined above. The use of the images does not give right to any compensation. In any case, any use of the portrait that could damage the honor, reputation or decorum of the person portrayed, taken or recorded is excluded.

(B) Storage for administrative purposes

Your data will also be processed for administrative accounting purposes and stored for the time strictly necessary to pursue these purposes, except for the period of ten years to ensure the tax, accounting and administrative requirements required by law and, probably, for a longer term, not determinable a priori, as a result of different conditions of lawfulness of processing (for example, legal actions that make the processing necessary for over ten years).

Legal basis and nature of data provision

The legal basis for the processing referred to in points (A) above is the consent, pursuant to art. 6, first paragraph, lett. a) of (EU) Regulation 2016/679 (General Data Protection Regulation) and, in the case of data falling into particular categories, art. 9, second paragraph, lett. a) of (EU) Regulation 2016/679. Consent to processing for the purposes described above is optional.

However, it is specified that the provision of data for the purposes referred to in points (A) and (A1) is not mandatory but is essential for the achievement of the purposes described. The refusal to grant them will therefore not allow you to participate in the research in question. The provision of data for the purposes referred to in letter B) is optional, not resulting from a regulatory obligation, but it is necessary to allow the retention of data for a longer period than that envisaged for the conclusion of this study in order to ensure future research activities and, if necessary, to contact it again for its expression, if it considers it, a new specific consent for a new research. Failure to provide data for these purposes will have the sole consequence that it is impossible to carry out the last described.

The provision of data for the purposes referred to in (C) is necessary to comply with legal obligations regarding the storage of administrative and accounting documents. In this case, the legal basis can be found in art. 6, paragraph 1, lett. c) and e), of (EU) Regulation 2016/679.

Rights of the data subject

Subject to the limitations on the exercise of the rights of data subjects referred to in art. 2-undecies and 2-duodecies of the Code on the protection of personal data (D.Lgs. 196/03), you, as a participant in the research and therefore interested party, can exercise the rights recognized pursuant to and within the limits of art. 15-21 of (EU) Regulation 2016/679, including the right to request access to their personal data, the rectification or deletion of the

same, as well as the limitation of the processing of data concerning them, the opposition to the processing and the portability of data.

We also point out that any consent given by you is freely given and can be revoked at any time without any disadvantage or prejudice and without prejudice to the lawfulness of the processing based on the consent given before the withdrawal.

Requests relating to the exercise of these rights may be submitted to the Data Controller by contacting the Department of "Lingue, Letteratura e Culture Moderne" via Cartoleria 5, 40 124 Bologna, tel. 0512097157, e-mail:lilec.direttore@unibo.it.

Finally, if you believe that the processing of your personal data is in breach of the provisions of (EU) Regulation 2016/679 or Legislative Decree. 196/03 s.m.i. you have the right to lodge a complaint with the Data Protection Authority, as provided by art. 77 of the aforementioned Regulation or to bring an action before the appropriate courts (Art. 79 of the Regulation).

Access

First, go to the MELODY website: https://projects.dharc.unibo.it/melody/.

Before starting the survey, you need to decide whether:

- 1. **Login to the MELODY platform** via your Github account (if you don't have a Github account it's very easy to create one here). By logging in you will be able to **publish your results** in MELODY stories.
- 2. **Do not login** and therefore choose **not to publish your results**. You will still be able to download them in different formats.

Let's start the survey!

Tell us something about you

We collect some information on your background to better understand our audience.

1.	Your occupation *
	Contrassegna solo un ovale.
	Postgraduate student
	PhD student
	Research fellow
	Professor
	Student
	Altro:
2.	Your field of study/research *
	Contrassegna solo un ovale.
	Computer science
	Digital Humanities
	Languages & Linguistics
	Altro:
3.	Your age *
	Contrassegna solo un ovale.
	<20
	20-30
	31-40
	41-50
	>51

	experience do you have with SPARQL?
	Contrassegna solo un ovale.
	1 2 3 4 5
	not () expert
5.	From 1 to 5 (1 being not expert at all, 5 being extremely confident), how well you *know data visualizations (reasons for use, usefulness, functioning)
	Contrassegna solo un ovale.
	1 2 3 4 5
	not () expert
Fi	irst impressions
vi	ow that we know you better, we can proceed with the actual survey. You were asked to sit the MELODY website and use the dashboard to publish data stories. Now you will ask ome preliminary questions about your first navigating experience.
6.	What was your first impression? Describe it with a single word
7.	Navigating the website was easy
	Contrassegna solo un ovale.
	1 2 3 4 5
	Stro Strongly agree

From 1 to 5 (1 being not expert at all, 5 being extremely confident), how much

8 The website structure was cle	21	iac olo	etructure we	na wahaita	8

Contrassegna solo un ovale.

1	2	3	4	5	
Stro 🔘					Strongly agree

MELODY

9. The access options were clear

Contrassegna solo un ovale.



10. I was able to navigate the main pages without the user guide

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro						Strongly agree

11. I understood the differences between the three main pages (catalogue, dashboard, documentation)



Dashboard - Statistics

You have been given instructions to use the MELODY dashboard. In the data story set up page you were asked to select the type of template you wanted to create.

Please answer the following questions with regard to the:

• Statistics template: display on a canvas text, charts, and data summaries.

12. What dataset did you use?

To solve the different tasks you were asked to use an **open linked dataset** with a **SPARQL endpoint** to query.

You had two options:

- 1. Use a dataset and the SPARQL queries proposed by us.
- 2. Choose a dataset and type the queries yourself, according to the parameters that we will tell you.

Contrassegna solo un ovale.

used one of the proposed dataset
used a dataset of my choice

13. I was able to perform the task without the user guide

Contrassegna solo un ovale.

1	2	3	4	5	
Stro 🔘					Strongly agree

Your experience matters.

Help up measuring the usability of the statistics template. Respond using a range that goes from Very Low to Very Hight.

14.	How much thinking, deciding, or calculating was required to perform the task?
	Contrassegna solo un ovale.
	1 2 3 4 5
	Very Very High

15. How much physical activity was required?

Contrassegna solo un ovale.



16. How much time pressure did you feel due to the pace at which the tasks or task elements occurred?

Contrassegna solo un ovale.

1	2	3	4	5	
Very _					Very High

17. How successful were you in accomplishing what you were asked to do?



18. How hard did you have to work (mentally and physically) to accomplish your level of performance?

Contrassegna solo un ovale.



19. How irritated, stressed, and annoyed versus content, relaxed, and complacent did you feel during the task?

Contrassegna solo un ovale.



Dashboard - Relations

You have been given instructions to use the MELODY dashboard. In the data story set up page you were asked to select the type of template you wanted to create.

Please answer the following questions with regard to the:

• **Relations template:** an interactive text search that allows you to manipulate results (e.g. make new text searches, combine results of multiple searches).

20. What dataset did you use	20.	What	dataset	did	you	use
------------------------------	-----	------	---------	-----	-----	-----

To solve the different tasks you were asked to use an **open linked dataset** with a **SPARQL endpoint** to query.

You had two options:

- 1. Use a dataset and the SPARQL queries proposed by us.
- 2. Choose a dataset and type the queries yourself, according to the parameters that we will tell you.

Contrassegna solo un ovale.

I used one of the proposed dataset

I used a dataset of my choice

21. I was able to perform the task without the user guide

Contrassegna solo un ovale.

Your experience matters.

Help up measuring the usability of the relations template. Respond using a range that goes from Very Low to Very Hight.

22. How much thinking, deciding, or calculating was required to perform the task?

Contrassegna solo un ovale.

23.	How much	nhysical	activity	wasi	equired	1
۷٥.	I IOW IIIucii	priysicai	activity	wasi	equireu	

Contrassegna solo un ovale.

1	2	3	4	5	
Very _					Very High

24. How much time pressure did you feel due to the pace at which the tasks or task elements occurred?

Contrassegna solo un ovale.



25. How successful were you in accomplishing what you were asked to do?

Contrassegna solo un ovale.

1	2	3	4	5	
Very _					Very High

26. How hard did you have to work (mentally and physically) to accomplish your level of performance?



27. How irritated, stressed, and annoyed versus content, relaxed, and complacent did you feel during the task?

Contrassegna solo un ovale.



Components

Now we will ask you to evaluate the dashboard components, according to some parameters: usefulness, complexity, consistency and aesthetic.

28.

Contrassegna solo un ovale per riga.

	Not at all useful	Slightly useful	Moderately useful	Very useful	Extremely useful
Color picker					
Headings (Title & Subtitle)					
Introduction box					
Authors					
Textbox					
Counter					
Linechart					
Barchart					
Doughnut chart					
Scatterplot					
Table					
Text search					
Delete option					
Reset option					
Save option					
Top/Down arrows (to arrange order)					

Result

actions Result (Relations) actions			
(Relations) Result			
combine Result (Relations) combine			
(Relations)			-

29.

Contrassegna solo un ovale per riga.

	Not at all complex	Slightly complex	Moderately complex	Very complex	Extremely complex
Color picker					
Headings (Title & Subtitle)					
Introduction box					
Authors					
Textbox					
Counter					
Linechart					
Barchart					
Doughnut chart					
Scatterplot					
Table					
Text search					
Delete option					
Reset option					
Save option					
Top/Down arrows (to arrange order)					

Result

actions Result (Relations) actions			
(Relations) Combine			
actions Combine (Relations) actions			
(Relations)			

30.

Contrassegna solo un ovale per riga.

	Not at all consistent	Slightly consistent	Moderately consistent	Very consistent	Extremely consistent
Color picker					
Headings (Title & Subtitle)					
Introduction box					
Authors					
Textbox					
Counter					
Linechart					
Barchart					
Doughnut chart					
Scatterplot					
Table					
Text search					
Delete option					
Reset option					
Save option					
Top/Down arrows (to arrange order)					
Result actions					

(Relations)			
Combine actions (Relations)			

31.

Contrassegna solo un ovale per riga.

	Not at all aesthetically pleasing	Slightly aesthetically pleasing	Moderately aesthetically pleasing	Very aesthetically pleasing	Extremely aesthetically pleasing
Color picker					
Headings (Title & Subtitle)					
Introduction box					
Authors					
Textbox					
Counter					
Linechart					
Barchart					
Doughnut chart					
Scatterplot					
Table					
Text search					
Delete option					
Reset option					
Save option					
Top/Down arrows (to arrange order)					

Result

	actions Result (Relations) actions				
	(Relations) Combine				
	actions Combine (Relations) actions				
	(Relations)				
	rors ve you found any issues or bu	gs while using the	e Melody applica	ation?	
32.	Please, use the following texperienced. Your contrib			nd of issues yo	Du
	nal considerations	li avalvatian af th			
	e can now proceed with a quic t us know your opinions and g				
33.	I think that I would like to	use this dashbo	ard frequently		
	Contrassegna solo un ovale.				
	1 2 3 4 5	Strongly agree			

0.4		-1
.7 //	I found the dechhoerd	LINNACACCARILY COMPLAY
34.	i iodila tile dasilboard	unnecessarily complex

Contrassegna solo un ovale.

1	2	3	4	5	
Stro 🔘					Strongly agree

35. I thought the dashboard was easy to use

Contrassegna solo un ovale.



36. I think that I would need the support of a technical person to be able to use this dashboard

Contrassegna solo un ovale.

1	2	3	4	5	
Stro 🔘					Strongly agree

37. I found the various functions in this dashboard were well integrated

1	2	3	4	5	
Stro 🔘					Strongly agree

38	I thought there was too	much inconsistency	in this	dashboard
50.	i illought there was too	Thuch inconsistency	y iii uiio	uasiibuaiu

Contrassegna solo un ovale.

1	2	3	4	5	
Stro 🔘					Strongly agree

39. I would imagine that most people would learn to use this dashboard very quickly

Contrassegna solo un ovale.



40. I found the dashboard very cumbersome to use

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro						Strongly agree

41. I felt very confident using the dashboard



42.	I needed to learn a lot of things before I could get going with this	dashboard
	Thousand to learn a for or timings perore results get going with time	aaciiboaic

Contrassegna solo un ovale.

1	2	3	4	5	
Stro 🔘					Strongly agree

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