

Visualization of Music Plagiarism: Evaluation

Your experience: perceptions and satisfaction

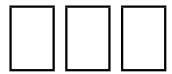
The objective of this study is to evaluate whether visualization can assist people in understanding similarities among music composition in order to discover plagiarism. We are mainly interested in gaining perceptions about your overall experience when testing three different types of visualization.

We do not collect personal data and all submitted information will remain confidential. Our study is performed complying with ethical principles, and also according with academic, national, international and EU legislation:

- “Regolamento di attuazione delle norme in materia di trattamento dei dati personali”
http://www.unisa.it/uploads/2890/reg._privacy.pdf
- “Data Protection Code - Decreto Legislativo n. 196/2003”
http://www.garanteprivacy.it/web/guest/home_en/italian-legislation
- “EU’s Data Protection Directive” <http://ec.europa.eu/justice/data-protection/>.

Thanks for your time and for your cooperation.

ID:



Preliminary Survey

Demographic Information

1. Age:

2. Gender:

- Female
- Male

3. Highest educational level:

- Primary
- High School
- Bachelor degree
- Master degree
- Conservatory
- Other: _____

4. Educational/academic field study:

- Computer Science
- Engineering
- Mathematics
- Chemistry
- Physics
- Economics
- Law
- Literature
- Other: _____

Music experience

5. How do you consider your experience with music?

Inexpert	Beginner	Competent	Advanced	Expert
<input type="checkbox"/>				

6. How often do you listen to music?

Never	Rarely	Sometimes	Often	Always
<input type="checkbox"/>				

7. How do you rate your ability in identifying music songs simply listening to it?

Very poor	Poor	Fair	Good	Very good
<input type="checkbox"/>				

General Information

8. I have familiarity with software tools that visualize music similarity

Strongly disagree	Disagree	Neutral	Agree	Strongly agree
<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

9. Have you ever used tools visualize music similarity?

- Yes
 No

10. If you selected Yes to the previous question, can you please specify which tools do you used?

11. Have you ever used tools visualize music plagiarism?

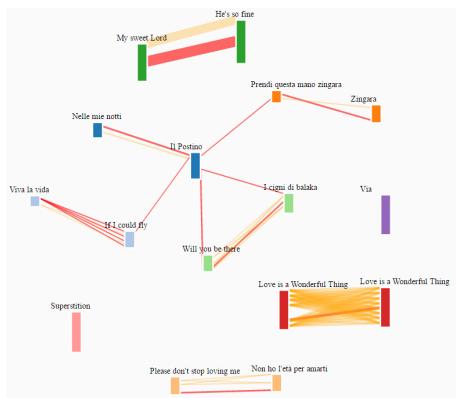
- Yes
 No

12. If you selected Yes to the previous question, can you please specify which tools do you used?

Summary Survey

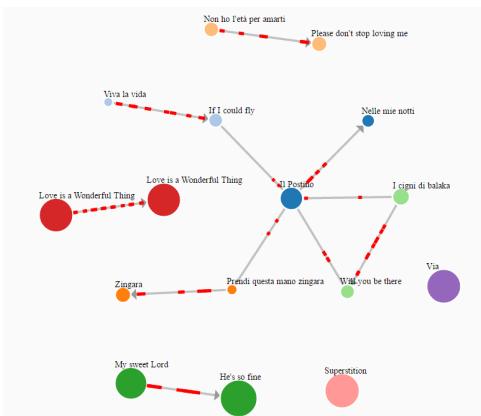
13. Overall, how much do you *like* this visualization?

a)



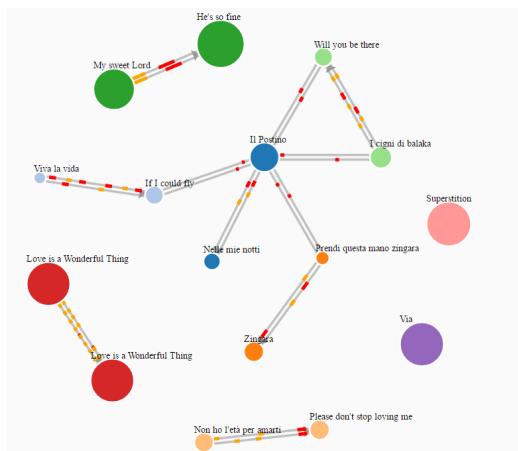
Not at all	Slightly	Moderately	Very	Extremely
<input type="checkbox"/>				

b)



Not at all	Slightly	Moderately	Very	Extremely
<input type="checkbox"/>				

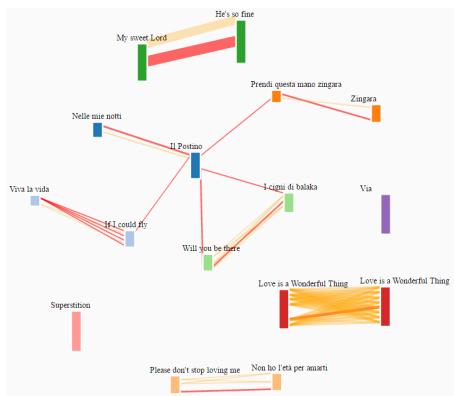
c)



Not at all	Slightly	Moderately	Very	Extremely
<input type="checkbox"/>				

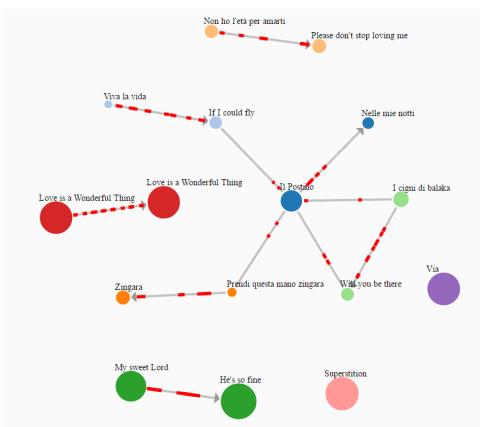
14. Overall, how much *useful* do you consider this visualization in understanding plagiarism?

a)



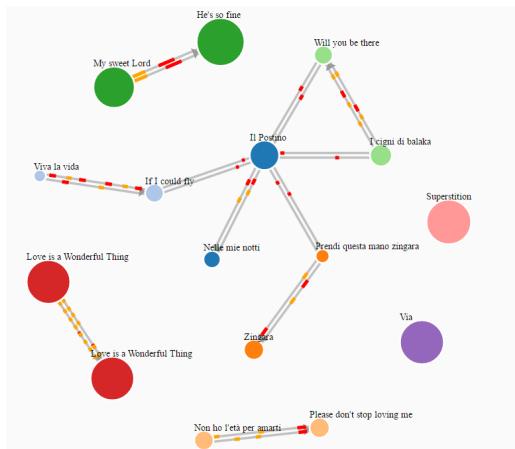
	Not useful at all	Slightly useful	Moderately useful	Very useful	Extremely useful
	<input type="checkbox"/>				

b)



	Not useful at all	Slightly useful	Moderately useful	Very useful	Extremely useful
	<input type="checkbox"/>				

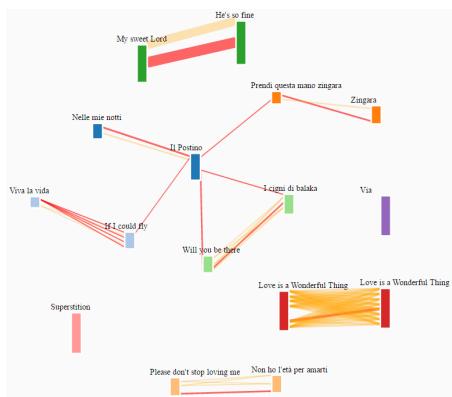
c)



Not useful at all	Slightly useful	Moderately useful	Very useful	Extremely useful
<input type="checkbox"/>				

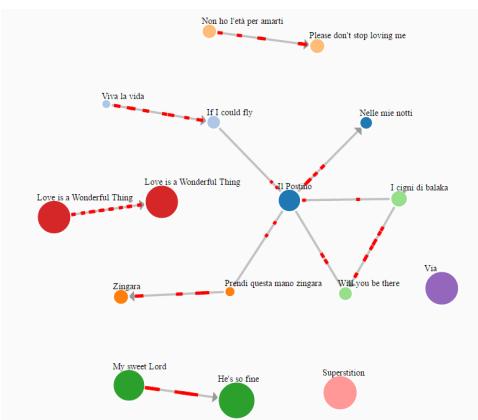
15. Overall, how much *intuitive* do you consider this visualization?

a)



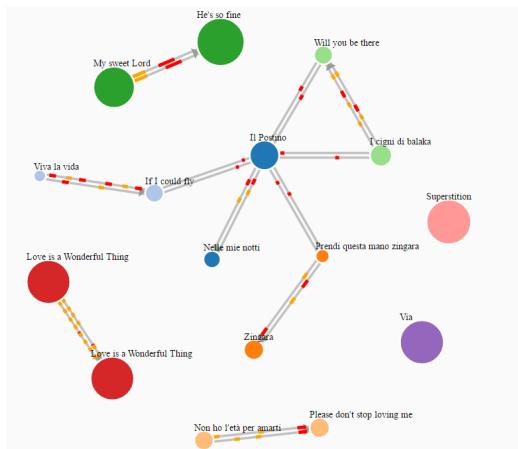
Not intuitive at all	□	Slightly intuitive	□	Moderately intuitive	□	Very intuitive	□	Extremely intuitive	□
----------------------------	---	-----------------------	---	-------------------------	---	-------------------	---	------------------------	---

b)



Not intuitive at all	□	Slightly intuitive	□	Moderately intuitive	□	Very intuitive	□	Extremely intuitive	□
----------------------------	---	-----------------------	---	-------------------------	---	-------------------	---	------------------------	---

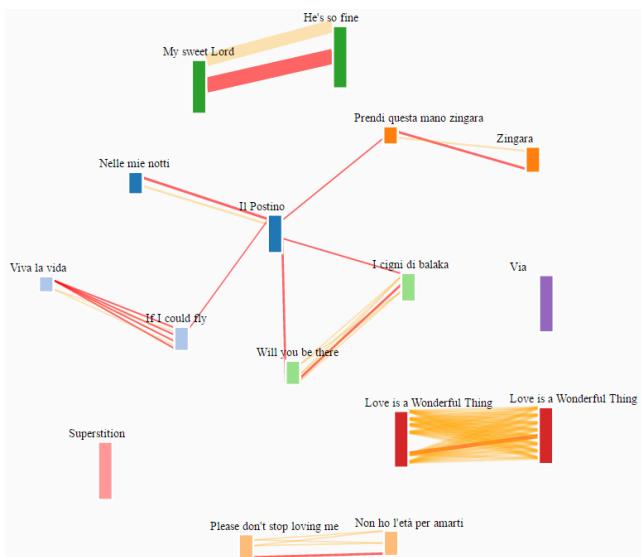
c)



Not intuitive at all	Slightly intuitive	Moderately intuitive	Very intuitive	Extremely intuitive
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

16. Given the following visualization:

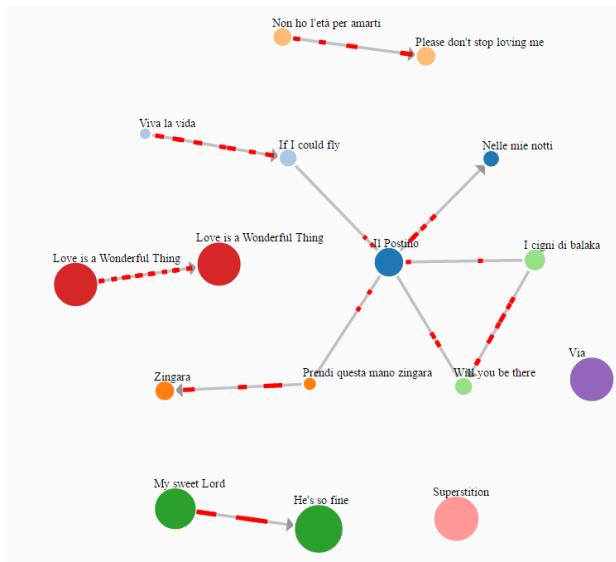
List the most positive aspects:



List the most negative aspects:

17. Given the following visualization:

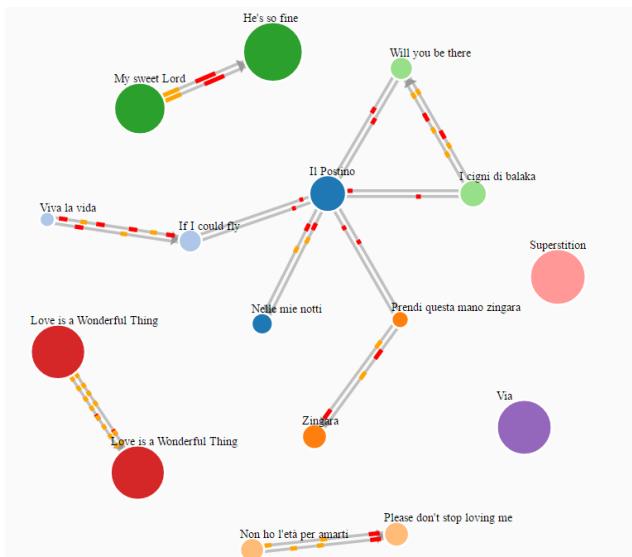
List the most positive aspects:



List the most negative aspects:

18. Given the following visualization:

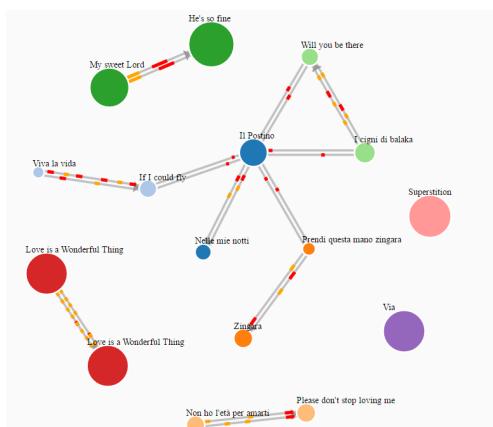
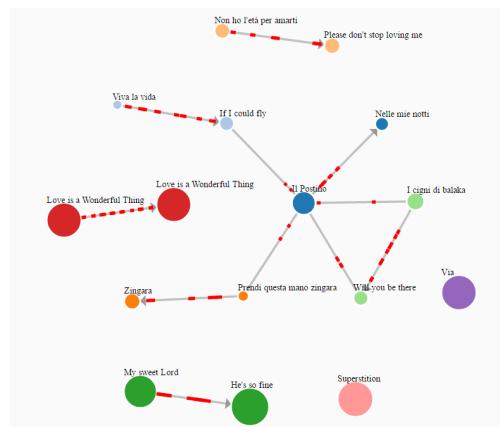
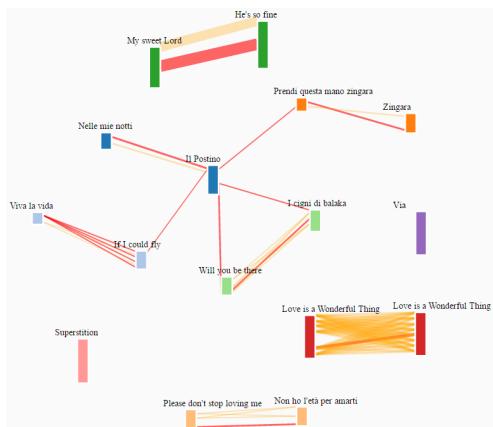
List the most positive aspects:



List the most negative aspects:

19. Given the following visualization:

a) Which element mostly helped you in identifying a similarity between two songs?



- The same color of the nodes
- The existence of an edge between the two nodes
- The existence of fragments on the edges connecting nodes
- The existence of several fragments on the edges connecting nodes
- Other: _____

b) It is evident that, for two songs for which a plagiarism exists, the corresponding nodes have the same color?

Not clear at all	Slightly clear	Moderately clear	Very clear	Extremely clear
<input type="checkbox"/>				

c) It is evident that, two connected songs, have colored fragments, which exactly correspond to the equal musical parts?

Not clear at all	<input type="checkbox"/>	Slightly clear	<input type="checkbox"/>	Moderately clear	<input type="checkbox"/>	Very clear	<input type="checkbox"/>	Extremely clear	<input type="checkbox"/>
---------------------	--------------------------	-------------------	--------------------------	---------------------	--------------------------	---------------	--------------------------	--------------------	--------------------------