

Project Title

Artisanal software development for text visualisation in real scenarios

Researcher

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1. Introduction

This document presents the questionnaires and the semi-structured interviews that will be used in the evaluation experiment as a part of the research project.

Please, read the attached Ethics application for further information about the used methodology and process cited in this document

Questionnaires will be presented as an online web form. The proposed list of questions to standard users for each artifacts, and the text and the rationale of the semi-structured interviews for experts can be found below.

NOTE-: the symbol [] will be links to pages: [link]

1.1 Questionnaire description

In this document the questions are grouped into four sections according to what we want to know. The groups are:

- Attributes: what people are
- Knowledge: what people know
- Beliefs, attitudes, opinions
- Behavior: what people do

The questionnaire is designed using multiple-choice questions, and according to the aims of the evaluation:

- 1- Do users detect the new features?
- 2- Do users still prefer or require access to the existing presentation?
- 3- Do users understand the new features?
- 4- Do users feel confident and positive about using the new features?

1.2 Semi-structured interviews description

The semi-structured interviews are made with open-ended questions, except for the first two questions that are the requirements to be eligible for participation, and the consent of the participant.

The interviews will be recorded in video, including screen capture and the audio conversations. The questions we present here define the topics and the order of topics that we want to talk about, according to the aims of this evaluation (see point 3).

2. Questionnaires

2.1 General questions: applicable to all the projects

What is your age?

- a) 12-14
- b) 15-24
- c) 25-34
- d) 35-44
- e) 45-54
- f) 55-64
- g) 65+

What is your gender?

- a) Female
- b) male
- c) other

How would you rate your technical knowledge of computers and the web?

- a) None
- b) Some
- c) Good
- d) Very good
- e) Expert

This section asks about your attitudes and opinions regarding web interfaces

How often do you use web browsers?

- a) Once a month or less
- b) Once a week
- c) Several times a week
- d) Every day
- e) Several times a day

Do you like to encounter new features in the pages you visit the most?

- a) not at all
- b) rarely

- c) no opinion
- d) sometimes
- e) often

Are you happy with the information tools and interfaces that you use?

- a) very happy
- b) happy
- c) indifferent
- d) unhappy
- e) very unhappy

2.2 Specific to each artifact

2.2.1 Visference: a tool to explore a list of academic papers

Have you ever published a paper in an academic conference?

- a) yes
- b) no

This section will ask you to answer a set of questions using the Visference tool as well as the conventional presentation of the conference papers

Which tool makes it easier to answer each of the following three questions:

How many papers where accepted in the conference?

- a) [existing list of papers] interface
- b) [Visference] interface
- c) no difference

Which papers are related to machine learning theory?

- a) [existing list of papers] interface
- b) [Visference] interface
- c) no difference

How many papers talk about optimization?

- a) [existing list of papers] interface
- b) [Visference] interface
- c) both in the same way

Which of the two interfaces would you prefer for each of these three tasks?

Understanding the topics and themes of the conference

- a) more advantages in using the [existing list of papers] interface
- b) more advantages in using the [Visference] interface
- c) no difference

Finding papers related to your personal interests

- a) more advantages in using the [existing list of papers] interface
- b) more advantages in using the [Visference] interface
- c) no difference

Exploring new topics and discovering new research in this field

- a) more advantages in using the [existing list of papers] interface
- b) more advantages in using the [Visference] interface
- c) no difference

2.2.2 Area: a reader of a information science academic journal

How often do you read papers from academic journals?

- a) More than once per week
- b) Once per month
- c) Once per year
- d) Never

Which tool makes it easier to answer each of the following questions:

How many papers where published in the journal since the first issue?

- a) [existing list of papers] interface
- b) [Area] interface
- c) no difference

**How is the term “visualization” distributed in the history of the journal ?
(recommendation: use the search box)**

- a) [existing list of papers] interface
- b) [Area] interface
- c) no difference

How many papers talk about visualization? (recommendation: use the search box)

- a) [existing list of papers] interface
- b) [Area] interface
- c) no difference

When exploring papers of the journal web site: do you have a better overview of the journal using the [existing interface] or [Area] interface?

- a) [existing interface]
- b) [Area] interface
- c) No difference

Which of the two interfaces would you prefer for each of these two tasks:

Understanding the topics and themes of the journal

- a) [existing list of papers] interface
- b) [Area] interface
- c) both interfaces

Finding papers related to your personal interests

- a) [existing list of papers] interface
- b) [Area] interface
- c) both interfaces

Exploring new topics and discovering new research in this field

- a) [existing list of papers] interface
- b) [Area] interface
- c) both interfaces

3 Semi-structured interviews

- Previous to the interview, the information of the experiment document (see attached) would be sent to the participant.

- Agreement question 1: Have you read the information of the experiment document that I have sent to you?

Answer: yes (NOTE: this is a condition to be eligible to participate in the experiment)

- Agreement question 2: do you accept to participate under the conditions explained in the cited document?

Answer: yes (NOTE: this is a condition to be eligible to participate in the experiment)

The semi-structured interview starts:

3.1 Visference

- Interviewer: **"We will start talking about: Visference,"**

- Open question 1: **"Please can you tell me about your experience browsing conference proceedings online?"**

- Open question 2: **"What's your opinion about the existing list of papers interface?"**

- Open question 3: **"What's your opinion about the proposed list of papers using the Visference interface?"**

- Open question 4: **"Could you tell me how you would improve the proposed Visference interface?"**

3.2 Area

- Interviewer: **"We will start talking about: Area,"**

- Open question 5: **"Please can you tell me how familiar are you with Information Research web site?"**

- Open question 6: **"What's your opinion about the existing Information Research web site?"**

- Open question 7: **"What's your opinion about the proposed Area interface?"**

- Open question 8: **"Could you tell me, how would you improve the proposal of Area?"**

3.3 Crossreads

- Interviewer: **"We will talk about: Crossreads,"**
- Open question 10: **"How does using Crossreads compare to reading the texts conventionally?"**
- Open question 11: **"Do you notice different features of the texts using Crossreads?"**
- Open question 12: **"Does Crossreads show relationships between texts?"**
- Open question 13: **"Can you list of some positive and negative points after the experience of using Crossreads?"**
- Open question 14: **"Does Crossreads reveal differences / similarities between the texts?"**
- Open question 15: **"Do you think that the Crossreads idea could be applied to other kind of texts? Which ones?"**