

Second Assignment Group C

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The actual questionnaire can be found at:

https://docs.google.com/forms/d/e/1FAIpQLSfWfOylww5XnyL9AVP9ocsxfQtn_28yTyCeHX8PMr3Vcz21cg/viewform?usp=sf_link

Designing a questionnaire to measure “Roboticemarostudentingenovaness”:

- Establish an expert committee.

The group C members plus professor Sgorbissa.

- Identify dimensionality of the construct.

We want to evaluate the attitude of students towards living in Genova (Subscale S1) but especially how they feel about attending this master course (Subscale S2).

- Determine questionnaire format.

The questionnaire is thought to be self-administered.

- Determine items format.

We chose to use closed-ended items with a Likert-type scale.

- Items development.

We came up with the following questions after a brainstorming session (questions with the asterisk are reverse-scored).

Questions about Genova :

I feel the city offers good opportunities for social life as a University student.

I like ligurian food (focaccia, pesto, seafood).

Living near the sea is important to me.

I think that italian people are friendly and nice.

Living in a big city scares me. (*)

I like crazy weather.

I like living near both mountains and sea.

Questions about the course :

I feel confident in expressing myself in English and following lessons or making group projects in this language.

I think I would like to move away from my country to follow the local or emaro course in Italy/France/Poland.

I like having a better theoretical knowledge of the topics than I would have outside of Italy.

I don't like being challenged through weekly assignments. (*)

I like to study multiple application fields of robotics such as Social, Mobile, Biomedical, Marine...

I like improving my team-working skills by participating in multiple group projects.

I am interested in having a multi interdisciplinary knowledge of the engineering world.

I like being showered with assignments.

I think that my master thesis should require a lot of development time.

Being flexible in choosing what courses to follow is fundamental.

I like having open spaces to study in groups.

I don't like programming a lot. (*)

- Determine questionnaire length.

The questionnaire length is fixed to 10 questions.

- Review and revise the initial item pool.

After some discussion on which statements should be kept, the final questionnaire composition will be the following.

Genova (Subscale S1)

1. I feel the city offers good opportunities for social life as a University student.
2. I like crazy weather.
3. I like living near both mountains and sea.

The course (Subscale S2)

4. I feel confident in expressing myself in English and following lessons or making group projects in this language.
5. I would like to move away from my country to follow the local or emaro course in Italy/France/Poland.
6. I like to study multiple application fields of robotics such as Social, Mobile, Biomedical, Marine...
7. I like improving my team-working skills by participating in multiple group projects.
8. I think that my master thesis should require a lot of development time.
9. I don't like programming a lot. (*)
10. I don't like being challenged through weekly assignments. (*)