

DBC-SS21

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First Questionnaire : DBC-SS21

Thank you for taking part in the questionnaire!

As part of our research project 'DiP-iT: Programmieren im Team' (<http://www.dip-it.tu-freiberg.de>), we want to evaluate how we are able to enhance cooperative learning in informatic related studies. Your data is used anonymized in the empirical study and our research work is in compliance with the data privacy regulations. The data is only used in the scope of this research project and will be only transmitted to third parties anonymized. Your participation is voluntarily. If you participate we are assuming that you agree that we will store and use the raised data for our research purpose. The questionnaire takes about 15 minutes. Contact for questions: David Broneske (@mailto:david.broneske@ovgu.de) and Anja Hawlitschek (@mailto:anja.hawlitschek@ovgu.de)

1 Demographic (1)

☐ Female☐ Male☐ non-binary

2 Demographic (2)

How old are you?

3 In which semester are you currently studying?

Terms of studying

Explanation: Terms of studying are all semesters spent on your major study.

4 What is your current study?

- | | | |
|---|---|---|
| <input type="radio"/> Computervisualistik | <input type="radio"/> Design Engineering | <input type="radio"/> Digital Engineering |
| <input type="radio"/> Informatik | <input type="radio"/> Operations Research and BA | <input type="radio"/> Sport+ Technik |
| <input type="radio"/> Wirtschaftsinformatik | <input type="radio"/> Wirtschaftsingenieur Logistik | <input type="radio"/> Ingenieurinformatik |
| <input type="radio"/> sonstiges | | |

5 How would you rate your general theoretical knowledge of programming ?

Very poor

Excellent

☐☐☐☐☐

Coding: 0

1

2

3

4

6 How would you rate your overall practical programming skills?

Very poor

Excellent

☐☐☐☐☐

Coding: 0

1

2

3

4

7 For how many years have you been programming practically?

Please enter the number of years or enter 0 if you have no experience.

8 How would you assess your general knowledge with SQL ?

Very poor

Excellent

☐☐☐☐☐

Coding: 0

1

2

3

4

9 The following questions are about your attitudes towards the course

Datenmanagement/Database Concepts.

How would you classify yourself with regard to the following statements?

	strongly disagree				strongly agree
If I study in appropriate ways, then I will be able to understand the whole content of the course.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I'm certain I can understand even the most difficult content in this course.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It is important for me to understand the content of the course.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am very interested in the content area of this course.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
If I try hard enough, then I will understand the content.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I expect to do well in this course.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I think the course material is useful for me to learn.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
If I don't understand the content of the course, it is because I didn't try hard enough.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I'm certain I can master the skills being taught in this course.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Coding: 0	1	2	3	4

10 How would you rate your own experience with group work?

I am ...

Not at all familiar				Extremely familiar
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Coding: 0	1	2	3	4

11 Please rate the following statements about teamwork I think teamwork during study is important, because ...

	strongly disagree				strongly agree
... I like to work with other students in group activities.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... it is fun.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... comparing with doing individual assignments, it is more effective to learn by doing group work.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... I will need teamwork skills in my future job.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... working in groups allows me to tackle more complex topics than working individually.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... there are many opportunities for discussion and sharing ideas by working in groups.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... I believe I can do well in the group work.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... I believe I can support groupmates.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... I believe I can work well with groupmates.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... I believe I can play an important role in the accomplishment of the group task.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Coding: 0	1	2	3	4

12 To what extent do the following statements apply to you? If I am doing group work,

	does not apply at all				does completely apply
... I like to share my ideas with others.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... I am open to new ideas.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... I am tolerant of different ideas.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Coding: 0	1	2	3	4

... I am able to express what I think in an appropriate way, not harming other group members.

☐ ☐ ☐ ☐ ☐

... I always participate in an appropriate way.

☐ ☐ ☐ ☐ ☐

... I am able to provide feedback on overall team's performance.

☐ ☐ ☐ ☐ ☐

... I am able to provide feedback on individual team member's performance.

☐ ☐ ☐ ☐ ☐

... I am able to monitor my group's progress.

☐ ☐ ☐ ☐ ☐

... I am able to implement an appropriate conflict resolution strategy.

☐ ☐ ☐ ☐ ☐

... I am able to recognize the source of conflict confronting my group.

☐ ☐ ☐ ☐ ☐

Coding: 0

1

2

3

4

13 How do you evaluate online teamwork during Covid19?

I think locally distributed online collaboration works at least as well as locally non-distributed collaboration.

strongly
disagree

strongly
agree

☐ ☐ ☐ ☐ ☐

I am comfortable about communicating with group members electronically.

☐ ☐ ☐ ☐ ☐

Coding: 0

1

2

3

4

14 Last but not least, here is a short . prior knowledge test

Imagine you want to do a small project in Git together with two other programmers, What do you think are the conditions for good teamwork? Please be as concise as possible

15 Continuing from question 14,

What needs to be considered before or during the collaboration? What steps are necessary for this? Please be as concise as possible

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