

Note: This is a machine Translation of the original German questionnaire. It is only for the purpose of documentation.

Introduction:

You are invited to participate in exploratory experiments conducted by Larissa Finsler, a master's student in the Business Information Systems program at FHNW. Before starting the experiments, you will receive information about the study, its purpose, the collection and use of your data, as well as your rights as a participant. It is important that you read this information carefully and give your consent only if you understand and agree with all aspects. Please follow the described instructions and steps throughout the experiments.

Purpose of the Study:

The purpose of this study is to examine interactions between autonomous social robots and humans. Today, you will interact with the autonomous social robot Pepper in three short experiments. The total duration of the study will be approximately 45 minutes. The goal of this study is to assess participants' attitudes towards Pepper before and after the interaction and to determine how Pepper affects them.

Data Collected:

The following data will be collected as part of the study: demographic data, survey responses, and audio recordings of your answers. This data will be anonymized and treated confidentially.

Use and Publication of Data:

The collected data will be used exclusively for scientific purposes. The results of this study will be used in a master's thesis and may later be published in additional scientific publications. All published data will be anonymized so that no conclusions about your identity can be drawn.

Voluntary Participation:

Your participation in this study is entirely voluntary. You may withdraw at any time without providing reasons and without facing any disadvantages. If you decide to withdraw, your collected data will only be used further with your consent.

Confidentiality and Data Protection:

All collected data will be treated confidentially. Your data will be anonymized. Only individuals working on the master's thesis will have access to the non-anonymized data.

Consent:

By giving your consent, you confirm that you have been informed about the purpose and conduct of the study, that all your questions have been answered, and that you voluntarily agree to participate. You also consent to the anonymized use of your data for scientific publications.

Contact for Further Information:

If you have any questions about the study or need more information, you can contact [add contact]

Do you agree that your data will be collected and used for scientific purposes under the above conditions?

Yes

Important Notes on the Experiments

In the following experiments, you will interact with Pepper. Please take note of the following points:

All interactions should be conducted in **standard German**, as Pepper does not understand other languages.

Pepper is still learning. Therefore, it may misunderstand or fail to recognize certain statements. If this happens, Pepper will ask you to repeat your response.

Please speak clearly and distinctly. To facilitate the experiment, sit close to the robot, face it directly, and avoid speaking too quickly.

Preliminary Questions

Before the experiments start, we would like to ask you a few questions. Once you have answered all the questions, click "Next" and follow the described steps.

F1 How old are you?

[Age in years]

F2 What is your gender?

Male

Female

Diverse

F3 What is your highest level of education?

Secondary education

Bachelor's degree

Master's degree

Doctorate

F4 Have you previously interacted with robots?

Yes

No

[If F4 = "Yes"]

F5 In what way have you interacted with social robots before?

F6 How important is donating to charity for you?

[1 "not at all important" to 7 "very important"]

F7 What type of charitable organization would you be most likely to support?

Health

Education

Environment

F8 Do you have experience as a teacher?

Yes

No

[If F8 = "Yes"]

F9 At what level and in what role have you taught? (e.g., "Primary school - class teacher")

F10 How knowledgeable are you about nutrition?

[1 "not knowledgeable at all" to 7 "very knowledgeable"]

F11 How important is a balanced and healthy diet to you?

[1 "not important at all" to 7 "very important"]

Scenario 1 – Introduction

In the first scenario, you will discuss three fictional charities with Pepper and allocate a donation of **100 CHF** among them. Below are the descriptions of the organizations. Please read them carefully and try to remember the key points.

Organization 1: Good Health

Mission:

Good Health (G) is dedicated to improving access to healthcare and health outcomes for vulnerable populations worldwide. Their mission is to reduce health inequalities, promote disease prevention, and ensure that everyone has access to quality healthcare, regardless of socioeconomic status or location.

Key Programs and Initiatives:

Medical aid and support – Providing emergency and long-term healthcare in crisis-affected regions.

Disease prevention and vaccination programs – Conducting vaccination campaigns and health education to prevent disease spread.

Healthcare infrastructure development – Investing in sustainable healthcare systems and training medical personnel.

Organization 2: Education Horizon

Mission:

Education Horizon (B) empowers disadvantaged youth worldwide by providing access to quality education and personal development opportunities. Their mission is to break the cycle of poverty and create pathways to success.

Key Programs and Initiatives:

Scholarships – Financial support for students from low-income backgrounds.

Mentoring and career guidance – Workshops to help students develop skills and career paths.

Community engagement and advocacy – Supporting policies for equal education access.

Organization 3: Environmental Alliance**Mission:**

Environmental Alliance (U) is dedicated to biodiversity conservation, habitat preservation, and climate change mitigation.

Key Programs and Initiatives:

Wildlife protection and habitat restoration – Preserving endangered species and ecosystems.

Climate action and advocacy – Supporting policies that reduce greenhouse gas emissions.

Community engagement and education – Raising awareness of environmental issues.

Scenario 1 – Initial Decision

Allocate **100 CHF** among the three organizations:

Amount for **Good Health (G)**:

Amount for **Education Horizon (B)**:

Amount for **Environmental Alliance (U)**:

Scenario 2 – Initial Decision

Allocate **20 hours** among the following subjects:

Mathematics:

Art:

Music:

Sports:

Languages:

Scenario 3 – Initial Decision

Decide how to fill your plate at a salad buffet:

Protein (chicken breast/vegan alternative):

Healthy fats (avocado or nuts):

Vitamins (bell pepper):

Carbohydrates (rice or quinoa):

Post-Experiment Questions

You have now completed all experiments. Please answer the following questions before submitting the questionnaire.

F16 The robot seemed aware of its own appearance.

[1 “strongly disagree” to 7 “strongly agree”]

F17 After the experiments, I am more willing to accept help from a robot in the future.

[1 “strongly disagree” to 7 “strongly agree”]

(Repeated questions F6, F7, F10, F11)

Thank You!

The survey is now complete. Please click **"Submit"**. You are welcome to continue chatting with Pepper if you wish.