

Introduction to Epidemiology and Environmental Health

Week 3 (practicum)

ASSIGNMENT 1: Create a questionnaire (45 minutes)

Students are assigned to work in **6 groups**.

Create a questionnaire that will fulfil the following criteria:

1. The questionnaire must be designed to **test a research objective**.
2. The questionnaire has to include a **standardized questions** related to exposure or outcome.
3. The questionnaire has to contain at least one question with **Likert scale**.
4. The questionnaire has to include **demographic questions**.
5. Finally, identify data/variables that should be collected **other than by the questionnaire** to increase validity of such data.

Research questions:

- A. How does chronic exposure to environmental noise pollution affect sleep quality?
- B. How do socioeconomic status influence lung functions in adult population?
- C. How does obesity influence the activity of daily living (ADL) in elderly population?
- D. What is the relationship between urban green spaces and physical activity levels among residents in densely populated areas?
- E. How does depression during pregnancy affect birth weight?
- F. What impact did flood have on happiness among affected population living in Jeseník?

Distribute tasks among the group members to work effectively!

Design the questionnaire using Word or Excel.

ASSIGNMENT 2: CONDUCT QUESTIONNAIRE SURVEY (45 minutes)

Students are assigned to work in small groups (each group consists of 3-4 students)

Using the following questionnaire survey:

1. Collect data from your peers.
2. Using Excel, create a dataset with questions (columns) and participants (rows).
3. Define how are your categories coded.
4. Upload dataset to IS "Odevzdávárna", file "Week 3 survey".

SURVEY

1. Sex:

Male

Female

Other _____

2. Age in months:

3. How big is the town you are originally from?

- a. 0-1,000 inhabitants
- b. 1001-3000 inhabitants
- c. 3001-10,000 inhabitants
- d. 10,001-50,000 inhabitants
- e. 50,001-100,000 inhabitants
- f. 100,001 and more inhabitants

4. Favorite color:

5. Favorite subject in high school:

Please answer the how much you agree with the following statements using the scale below:

Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
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- 6. I believe I have the best taste in music among my friends.
- 7. Pineapple belongs on pizza.
- 8. Brno is the most fun city in Czechia.
- 9. I believe that wearing socks with sandals is a fashion statement.
- 10. I believe that ketchup belongs in the fridge, not the pantry.