

Master thesis proposal:
Effect of pesticide residues on microbiome
variation

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Background

A pilot study, The Climate Friendly and Ecological Food on Microbiota (CLEAR), collected data on diet habits, pesticides, and microbiome. [1]. The data collection was performed at three different time points: baseline, mid assessment and end assessment. This gives the opportunity to study the variation of microbiome data.

Data

30 participants randomly assigned to one of three intervention groups: control, climate-friendly and ecological. During the study, the participants were at three occasions asked to fill in a questionnaire concerning eating habits, give urine and fecal samples.

Aim

Is there an effect of pesticide residues on microbiome variation?

Prerequisites

Good knowledge of Machine learning and Statistics
Experience of data handling

Research Team

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Contact and application

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References

- [1] Vera Berg. An intervention study on sustainable food habits among healthy adults. Master's thesis, Karolinska institutet, Stockholm, Sweden, 2018.