**Statistical disclosure methods for psychology: an application to a real dataset**

**Statistical disclosure methods for open science in psychology**

There is great demand for the availability of the data used for research. The replicability of findings in psychology is questioned and more available data would make research more transparent and accessible. Unfortunately, many datasets are not available due to privacy reasons or closed research culture. On the other hand, it is increasingly expected for researchers to share data with others for review, reanalysis, and reuse. To solve this issue, we suggest using methods of Statistical Disclosure Control. These methods modify data so that it can be disclosed without revealing confidential information that may be associated with specific respondents. In this contribution we present different approaches that can be used for the protection of confidentiality of the data.

**General background**

There is a great demand for the availability of data used for research. The reproducibility of findings in psychology is questioned, which could be solved by openly shared data. This would make research more transparent and accessible.

**Specific background**

Unfortunately, many datasets cannot be shared due to privacy reasons or closed research culture. On the other hand, researchers are increasingly more expected to share their data with others for review, reanalysis, and reuse.

**Knowledge gap**

To solve this issue, we suggest using methods of Statistical Disclosure Control. These methods modify data so that it can be disclosed without revealing confidential information that may be associated with specific respondents.

**Here we show**

In this contribution we present different approaches that can be used to protect confidentiality of the data.

**Results with key values**

**Meaning of results**

**Keywords**

open science, statistical disclosure control, confidentiality, reproducibility,