**Title 1: Statistical disclosure methods for psychology: an application to a real dataset**

**Title 2: 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.

**Keywords**

open science, statistical disclosure control, confidentiality, reproducibility