**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 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. 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. 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 to protect confidentiality of the data.

**Keywords**

open science, statistical disclosure control, confidentiality, reproducibility,