

NBpy: Network-based (R)Statistics in Python

Ljuba, Waleed, & Zeus

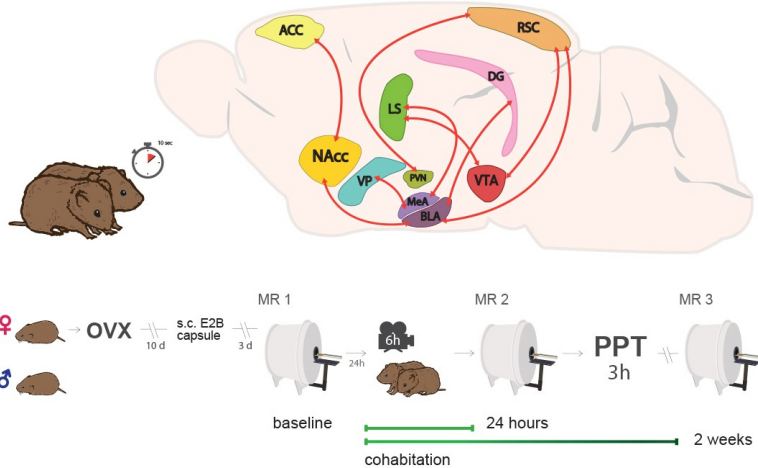
July 30, 2021

The logo for NeuroHackAcademy features the text "NEUROHACKADEMY" in a bold, white, sans-serif font. The text is centered within a dark gray rectangular banner. The background of the banner consists of a repeating pattern of hexagons, some of which are slightly raised, creating a 3D effect.

NEUROHACKADEMY

Context

Longitudinal brain networks



(López-Gutierrez et al., *eLife*, 2021)

Context

Prairie voles

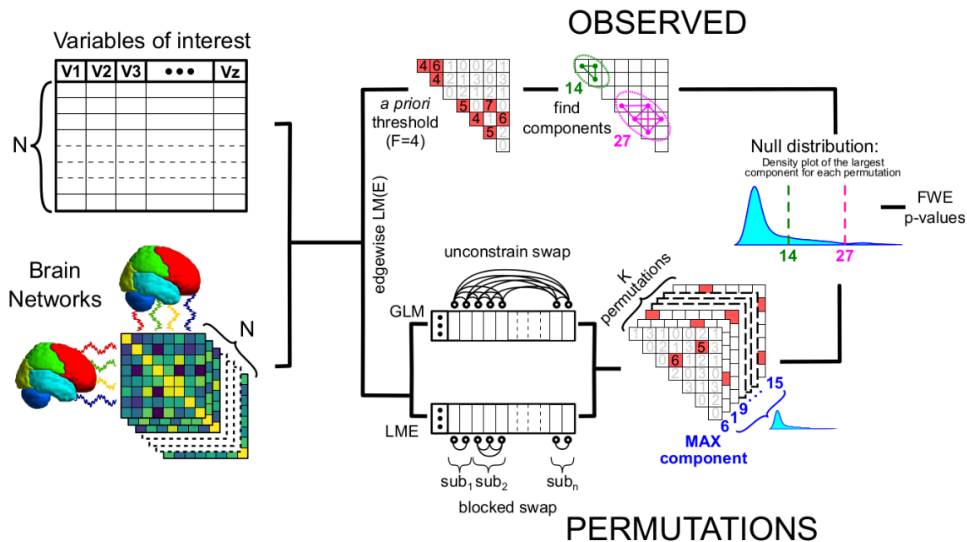
NBpy

Intro

NBR



Network Based Statistics framework



(Gracia-Tabuenca & Alcauter, *bioRxiv*, 2021)

- ▶ First CRAN release 0.1.2 (March 2020)
 - ▶ <https://cran.r-project.org/package=NBR>
 - ▶ >6k downloads
(<https://cranlogs.r-pkg.org/badges/grand-total/NBR>)
 - ▶ Most mails from users ask about computing efficiency...