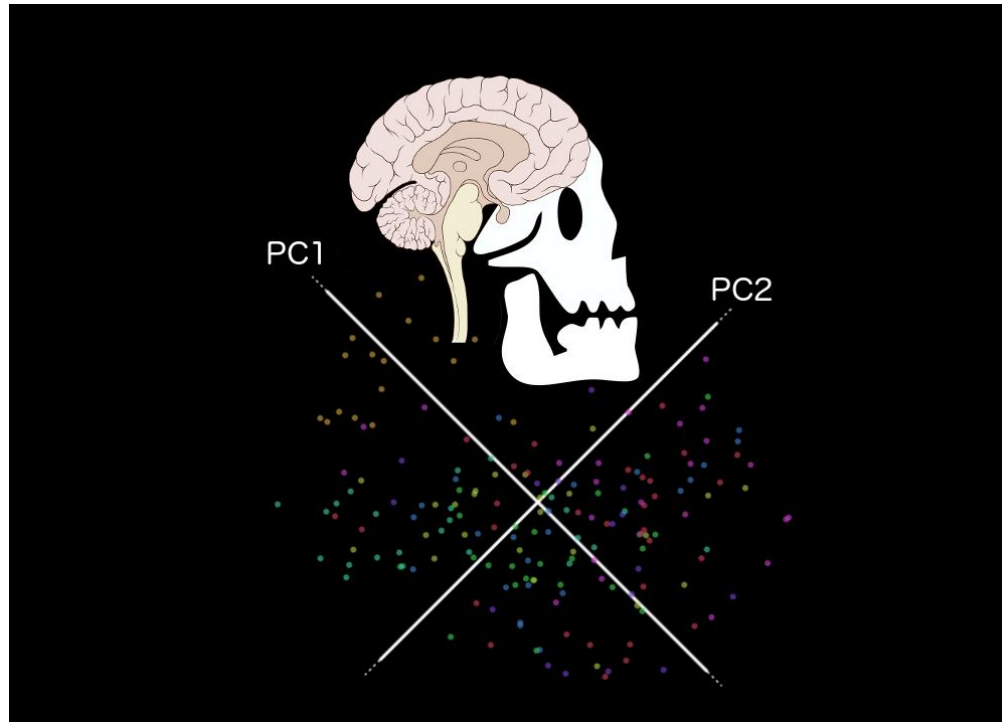


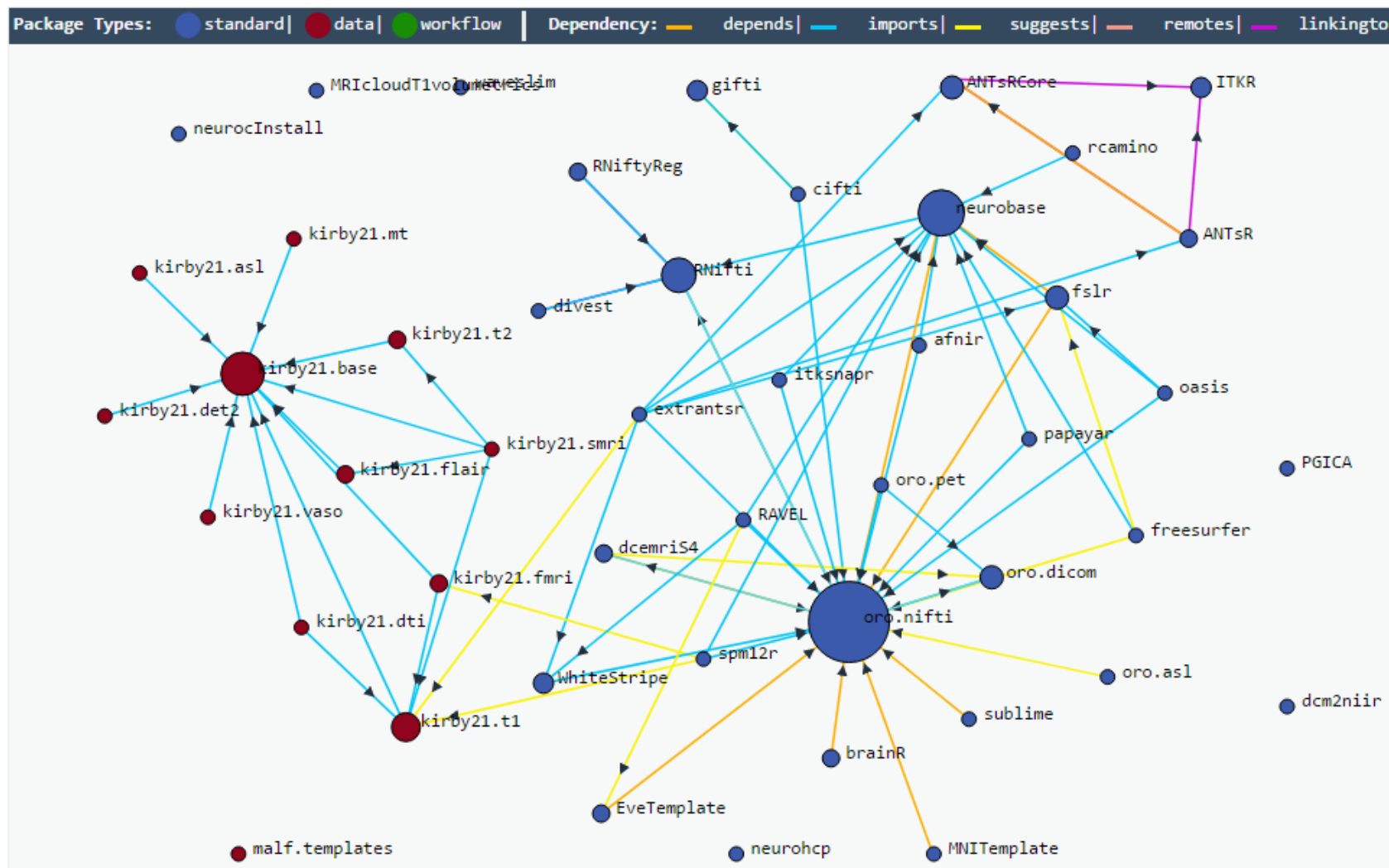
# MARINeR

Multivariate Analyses and Resampling  
Inference for Neuroimaging in R



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## Neuroconductor Package Dependency Graph



# MARINeR: 3 Core Features

1. Data processing
  - Data masking, signal normalization
2. Multivariate analyses via the SVD
  - PCA, MDS, PLS, MFA
3. Resampling strategies for statistical inference
  - Permutation, bootstrap, split-half resampling

# Current State

<https://github.com/derekbeaton/BrainHack> TO 2017

- Toy functional data from open fMRI ds107
- Basic data preprocessing
- gSVD & PCA
- Simple descriptive output