Resource Summary Report

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VAMCA

RRID:SCR_007028
Type: Tool

Proper Citation

VAMCA (RRID:SCR_007028)

Resource Information

URL: http://www.ebire.org/hcnlab/software/vamca.html

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Description: A stand-alone, open source human cortical meta-analysis and visualization toolbox for MatLab. It projects stereotaxic coordinates to a mean cortical surface by using an anatomical database of 60 young adults to provide multiple mappings of normalized cortical surfaces into MNI space. VAMCA performs the following analyses: # Multi-Fiducial Projection Mapping: Map stereotaxic 3D coordinates to the normalized cortical location for each of 60 database subjects. # Computing Centroid Locations for groups of foci both on a mean cortical surface and in MNI space. # Comparing Two Groups of Foci for differences in location (surface or 3D) of their group centroids and computing the groups' overlap extent using permutation tests. # Detecting Significant Densities of Foci or Density Differences of Two Groups within anatomical ROIs on a mean cortical surface by using Monte Carlo analyses. Coordinate weights allow fixed or random effects type analyses.

Abbreviations: VAMCA

Synonyms: VAMCA: Visualization And Meta-analysis on Cortical Anatomy, VAMCA Cortical Meta-analysis Toolbox, Visualization And Meta-analysis on Cortical Anatomy

Resource Type: data processing software, data visualization, image analysis software, software toolkit, software resource, software application

Keywords: database application, linux, matlab, microsoft, magnetic resonance, posix/unix-like, visualization, windows, windows 95/98/2000, windows nt/2000, windows xp, mni, adult human

Funding:

Availability: Creative Commons Attribution License

Resource Name: VAMCA

Resource ID: SCR_007028

Alternate IDs: nlx_156010

Alternate URLs: http://www.nitrc.org/projects/vamca

Record Creation Time: 20220129T080239+0000

Record Last Update: 20250426T055912+0000

Ratings and Alerts

No rating or validation information has been found for VAMCA.

No alerts have been found for VAMCA.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.