

Package: dotgen (via r-universe)

August 30, 2024

Title Gene-Set Analysis via Decorrelation by Orthogonal Transformation

Version 0.1.0

Date 2020-11-03

Description Decorrelates a set of summary statistics (i.e., Z-scores or P-values per SNP) via Decorrelation by Orthogonal Transformation (DOT) approach and performs gene-set analyses by combining transformed statistic values; operations are performed with algorithms that rely only on the association summary results and the linkage disequilibrium (LD). For more details on DOT and its power, see Olga (2020) [doi:10.1371/journal.pcbi.1007819](https://doi.org/10.1371/journal.pcbi.1007819).

Depends R (>= 3.5.0), mvtnorm

License GPL (>= 2)

URL <https://github.com/xiaoran831213/dotgen>

Encoding UTF-8

Author Olga Vsevolozhskaya [aut] (<https://orcid.org/0000-0001-9376-3645>), Dmitri Zaykin [aut] (<https://orcid.org/0000-0002-9444-2859>), Xiaoran Tong [aut, cre] (<https://orcid.org/0000-0002-4648-3330>)

Maintainer Xiaoran Tong <tongxia1@msu.edu>

LazyData true

RoxygenNote 7.1.1

Roxygen list(markdown = TRUE)

Repository <https://xiaoran831213.r-universe.dev>

RemoteUrl <https://github.com/xiaoran831213/dotgen>

RemoteRef HEAD

RemoteSha 89960cae63a0110541d2f7cee0dcb76d74b8b913