## Package Description Form Template

Development name

|  |
| --- |
| dsExposome |

Name of server-side packages

|  |
| --- |
| dsExposome |

Name of client-side packages

|  |
| --- |
| dsExposomeClient |

Date this information was late updated/checked

|  |
| --- |
| 15/06/2021 |

Description of packages purpose

|  |
| --- |
| This package is mostly a wrapper of the rexposome package, which is an R package for exposome characterization and exopsome-outcome test association. The implemented functions are the ones that have a non-disclosive return or the output is treated to be non-disclosive. The main functionalities implemented are:   * Exploratory analysis of the exposome * ExWAS * Inverse ExWAS * Exposures PCA * Exposures HCPC * Exposures correlation |

How to contact developer institution/team/individual

|  |
| --- |
| Xavier Escribà-Montagut (xavier.escriba@isglobal.org ) |

Latest version

|  |
| --- |
| 1.0.2 |

Type distribution licence

|  |
| --- |
| MIT + file LICENSE |

Methods of obtaining package

|  |  |
| --- | --- |
| CRAN address |  |
| GitHub account, repository and branch/tag | https://github.com/isglobal-brge/dsExposome  https://github.com/isglobal-brge/dsExposomeClient |
| Web-site/ftp-site/other |  |

What versions of R work with the package?

|  |
| --- |
| > 3.6.0 |

What R packages do the packages depend on?

|  |  |
| --- | --- |
| dsExposome | rexposome (> 1.12.4) |

Status

|  |
| --- |
| Released but needs testing. |

|  |  |
| --- | --- |
| Is the package tested? | Not thoroughly |
| Is the package documented? | Yes, a vignette linked on the GitHub repository README |
| Has the package had a disclosure audit? | No |

Is the package suitable for deployment in the production environment? (Yes/No)

|  |
| --- |
| Yes, but some bugs can be expected. |

Does your package have features to protect the privacy of data, or does it just provide remote analysis functionality?

|  |
| --- |
| Yes, the implemented methods have built in features to protect the data returned to the client. |

Additional Information

|  |
| --- |
| - |