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1 # Please copy the following texts in R to install the package of GeoRiskR !!!
2
3 # Please install the R package 'GeoRiskR' to access the following data sets and subroutines for your reliability
  analysis.
4
5 # Step 1: Install R 2.15 via http://cran.r-project.org/ for windows;
6
7 # Step 2: Install dependency packages in R;
8   install.packages("mvtnorm")
9   install.packages("gsl")
10  install.packages("copula")
11  install.packages("fitdistrplus")
12  library(copula)
13  library(fitdistrplus)
14
15 # Step 3: Claim this package in R
16   strPack=("D:/GeoRiskR2.1/")
17   strPack=("D:/XWUBJ/CFaiCopula/GeoRiskR/GeoRiskR2.1/GeoRiskR2.1/")
18   install.packages(paste(strPack,"GeoRiskR_2.1.zip",sep=""),repos=NULL)
19   library(GeoRiskR)
20
21 # Step 4: Access the data set class
22   SoilShear
23   RockShear
24   GCLShear
25   e0cc
26   MousaviSet
27   texture
28   CFGRegPars
29   PSIRegPars
30 #   FORM-AT
31 #   FORM-LT
32 #   SORM
33   ls("package:GeoRiskR")
34
35 # The latest version of the GeoRiskR can be downloaded from
  http://xingzhengwu.site88.net/Softwares/index.html
36
37 # The tutorial of this package can be downloaded: http://xingzhengwu.site88.net/downl/GeoRiskR.pdf
38
39 # More details please visit the homepage of this project: http://r-forge.r-project.org/R/?group\_id=1777
40
41 # Certainly this project will require the joint contributions from many researchers, if you are interested in sharing
  your achievements, do email me (xingzhengwu@gmail.com or xingzhengwu@163.com).
42
43 # Finally, please cite the followings:
44
45 # Wu XZ. 2015. Data and functions for Geotechnical Risk Assessment. Package 'GeoRiskR'.
  https://r-forge.r-project.org/R/?group\_id=1777.
46 # Wu XZ. 2015. Implementing multivariate fitting and reliability analyses for geotechnical engineering problems
  in R. Journal of Earth System Science. in press.
47
48
49 # ///////////
50 # Dr Wu @Beijing Georisk Labs
51
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