

Package ‘gtaptools’

April 11, 2023

Type Package

Title A set of tools to improve the productivity of CGE modelers.

Version 0.1.0

Description The gtaptools is a package under development that aims to offer a set of functions designed for supporting simulation exercises with CGE (Computable General Equilibrium) models in R language. The primary goal of this package is to facilitate and improve file management, increase the analytical potential of the database, and provide graphical visualizations of simulation results.

Encoding UTF-8

LazyData true

Depends R (>= 3.1)

Imports dplyr

RoxygenNote 7.2.3

License GPL (>= 3)

R topics documented:

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squeeze_sim	<i>Squeeze the simulation files into a .zip file.</i>
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Description

Scans the .cmf file and selects just essential files for the simulation and compresses them in a .zip file. It also creates a .bat file that makes it easy to run the simulation later. The files that are included are those specified in the .cmf file and that have the extension .tab, .cmf, .sti, .bat, .har, .prm, .shk, .cls, and in the case output = T, .sl4, .upd, .slc. (This function does not support dynamic simulations operationalized in the RunDynam software.)

Usage

```
squeeze_sim(cmf_file, zip_file, add_files = NULL, output = F, bat = T)
```

Arguments

cmf_file	Path to .cmf file which manages the simulation.
zip_file	Name of the .zip file that will be created.
add_files	Vector with the names or extensions of the files that will also be included in the .zip file in addition to the files mentioned in the description.
output	Includes simulation output files (default = F).
bat	Create a batch file to compile (if necessary) and run the simulation (default = T). For this functionality it is necessary to have Gempack installed.

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