Getting Started

David J Dorer Dorer Community Service Foundation

Installation

1. (Linux/Ubuntu)
   a. Download tar.gz file for current version of PAT e.g. PAT_0.5.tar.gz The package was built on Ubuntu/Linux. To install the package you need the gcc compiler to compile the one C routine. On Ubuntu to install gcc:
      `` `sudo apt-get install build-essential` ``
   b. (Windows) Download zip file for current version of PAT e.g. PAT_0.5.zip

After download

2. Decide on and create the folder where you want to store files.

3. Create sub-folders/directories:

   a. logs

   b. data

   c. output

Setup Within R

Once in an R session

1. (Windows)

   `` `install.packages(pkgs="path_to PAT_<vers>.zip",repos=NULL);` ``

2. (Ubuntu/Linux)

   `` `install.packages(pkgs="path_to PAT_<vers>.tar.gz",repos=NULL);` ``

Initialization

1. `require(PAT)`

2. Set your census key `PAT.census.key("your_key_here")` You can get your census key at Census key request https://api.census.gov/data/key_signup.html

3. Set your root folder/directory `PAT.root("path_to_base_folder");`
   The default for the root folder is your working directory `getwd()` Your working folder/directory is probably not what you want unless you start R in your PAT folder/directory.

4. Optionally set nraces (number of race categories) for PUMS derived variables and Detail/Subject/DataProfile tables.

   a. To see current value use `PAT.race.code()`

   b. To change `PAT.race.code("new_value");`

     c. To see choices `help(PAT.race.code)`

5. Optionally set nages (number of ages categories) for PUMS derived variables and Detail/Subject/DataProfile tables.

     a. To see current value use `PAT.age.code();`

     b. To change `PAT.age.code("new_value");`

     c. To see choices `help(PAT.age.code);`

6. Check/Set other options:

     a. `PAT.vintage()`

     b. `PAT.period()`

     c. `PAT.pums.vintage()`

     d. `PAT.pums.period()`

     e. `PAT.verbose()`

Help Files

`` `help(package="PAT")` ``

v1.4 16 Dec 2023 10:11