Getting Started

David J Dorer Community Service Foundation

Installation

1a. (Linux/Ubuntu) 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
```

- 1b. (Windows) Download zip file for current version of PAT e.g. PAT_0.5.zip
 - 2. Decide on and create the folder where you want to store files.
 - 3. Create sub-folders/directories:
 - 3a. logs
 - 3b. data
 - 3c. output

Setup Within R

Once

```
1a. (Windows) in an R session run
install.packages(pkgs="path_to PAT_<vers>.zip",repos=NULL);
1b. (Ubuntu/Linux) in an R session run
install.packages(pkgs="path_to PAT_<vers>.tar.gz",repos=NULL);
```

Initialization

- 1. run 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() this is probably not what you want.
- 4. Optionally set nraces (number of race categories) for PUMS derived variables and Detail/Subject/DataProfile tables.
 - 3a. To see current value use PAT.race.code()
 - 3b. To change PAT.race.code("new_value");
 - 3c. To see choices help(PAT.race.code)

- 5. Optionally set nages (number of ages categories) for PUMS derived variables and Detail/Subject/DataProfile tables.
 - 4a. To see current value use PAT.age.code();
 - 4b. To change PAT.age.code("new_value");
 - 4c. To see choices help(PAT.age.code);
- 6. Check/Set other options:

PAT.vintage()

PAT.period()

PAT.pums.vintage()

PAT.pums.period()

PAT.verbose()

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