

Getting Started

David J Dorer 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 `n races` (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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