Getting Started

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Installation

1a. (Linux/Ubuntu) Download tar.gz file for current version of PAT e.g. PAT_0.1.tar.gz

1b. (Windows) Download zip file for current version of PAT e.g. PAT_0.1.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

4a. (Windows) in an R session run

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

4b. (Ubuntu/Linux) in an R session run

```
install.packages(pkgs="path_to_PAT_<vers>tar.gz_file",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 `print(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 `(print(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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