

# 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");`
- 4b. (Ubuntu/Linux) in an R session run `install.packages(pkgs="path_to_PAT_<vers>tar.gz_file");`

## 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](https://api.census.gov/data/key_signup.html)] ([https://api.census.gov/data/key\\_signup.html](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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