

TAF bootstrap procedure



All data and software used in TAF analyses are declared and described using metadata files:

DATA.bib SOFTWARE.bib

The metadata files are processed using the R function

taf.bootstrap()

Metadata



DATA.bib describes data that will be used in the analysis

Each metadata entry looks like this:

```
@Misc{PLE7DFleet_2016.txt,
  originator = {WGNSSK},
  year = {2016},
  title = {Survey indices: UK_BTS, FR_GFS, IN_YFS},
  period = {1987-2015},
  source = {file},
}
```

The R function draft.data() can be helpful

Metadata



SOFTWARE.bib describes software that will be used in the analysis

Each metadata entry looks like this:

The R function draft.software() can be helpful

The taf.bootstrap() function



This function should be called from the top directory of a TAF analysis

It looks for a directory called ${\tt bootstrap}$ and prepares data files and software according to metadata specifications

The taf.bootstrap() function



The bootstrap procedure consists of the following steps:

- 1. If a directory bootstrap/initial/config contains model configuration files, they are copied to bootstrap/config
- 2. If a bootstrap/DATA.bib metadata file exists, it is processed with process.bib()
- If a bootstrap/SOFTWARE.bib metadata file exists, it is processed with process.bib()

The taf.bootstrap() function



After the bootstrap procedure, data and software have been documented and are ready to be used in the subsequent analysis:

- bootstrap/config with model configuration files
- bootstrap/data with data files
- bootstrap/library with R packages compiled for the local platform
- bootstrap/software with software files, such as R packages in tar.gz source code format