

# The data.R script

Preprocess data, write TAF data tables

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Science for sustainable seas

# The data.R script



After running `taf.bootstrap()`, all the underlying data files have been made ready inside the `bootstrap/data` folder

The purpose of the `data.R` script is to process the underlying data to create the input data that are used in the assessment

It also produces TAF tables showing the main input data

# The data.R script

The underlying data files may:

- ▶ include years and ages that are not used in the stock assessment  
*great, let's document in a script how the data are filtered*
- ▶ be at an earlier stage than the input data used in the stock assessment  
*great, let's document in a script how the data are calculated/smoothed/aggregated*
- ▶ be in any format and are sometimes hard to read, both for humans and machines  
*no problem, let's also make the data available as standardized CSV files*

# Outline of data.R



```
## Preprocess data, write TAF data tables

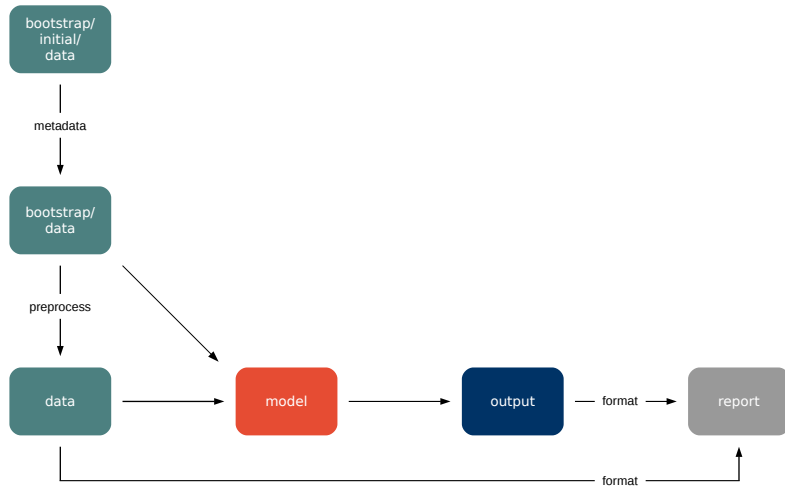
## Before: surveys_all.csv (bootstrap/data)
## After:  survey.csv (data)

library(icesTAF)

mkdir("data")

## 1  Read underlying data from bootstrap/data
...
## 2  Preprocess data
...
## 3  Write TAF tables to data directory
...
```

# Data flow



## Explore existing data.R scripts



<https://github.com/ices-taf>