

Transparent Assessment Framework (ICES TAF)

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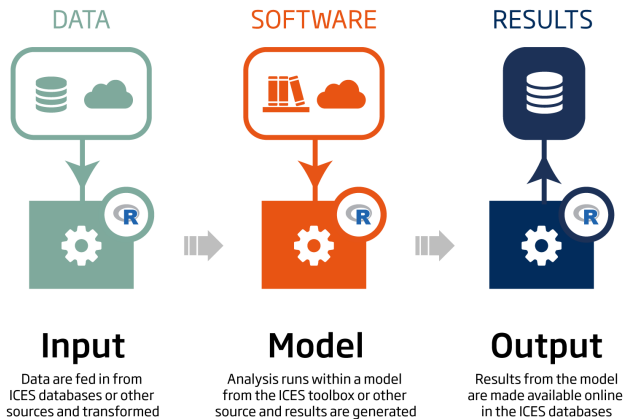
Science for sustainable seas

Aim

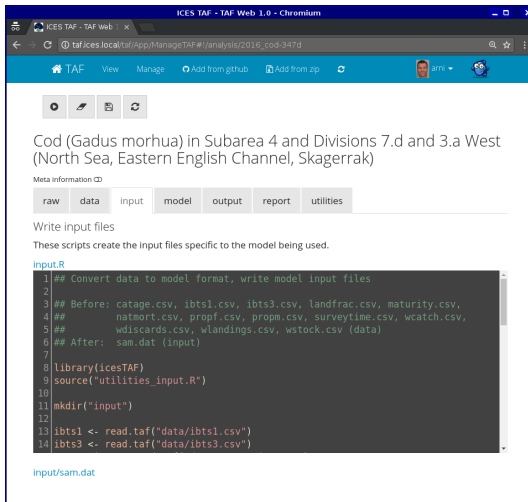


*To implement a framework to organize **data**, **methods**, and **results** used in ICES assessments, so they are easy to **find** and **rerun** later with new data.*

TAF workflow



View, edit and run R code online



ICES TAF - TAF Web 1.0 - Chromium

taf.ices.local/taf/App/ManageTAF#/analysis/2016_cod-347d

TAF View Manage Add from github Add from zip

Cod (Gadus morhua) in Subarea 4 and Divisions 7.d and 3.a West (North Sea, Eastern English Channel, Skagerrak)

Meta information

raw data input model output report utilities

Write input files

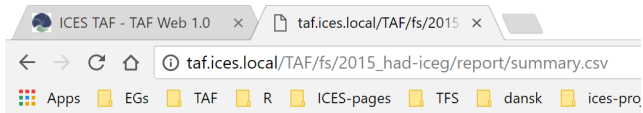
These scripts create the input files specific to the model being used.

[input.R](#)

```
1 ## Convert data to model format, write model input files
2
3 ## Before: catage.csv, ibts1.csv, ibts3.csv, landfrac.csv, maturity.csv,
4 ##         natmort.csv, propf.csv, propm.csv, surveytime.csv, wcatch.csv,
5 ##         wdiscards.csv, wlandings.csv, wstock.csv (data)
6 ## After:  sam.dat (input)
7
8 library(icesTAF)
9 source("utilities_input.R")
10
11 mkdir("input")
12
13 ibts1 <- read.taf("data/ibts1.csv")
14 ibts3 <- read.taf("data/ibts3.csv")
```

[input/sam.dat](#)

Input and results available to view or download



```
Year,Rec,B3plus,SSB,Landings,YoverSSB,Fbar
1979,80923,162177,96072,55330,0.576,0.521
1980,37390,192244,116521,51110,0.439,0.398
1981,10426,206988,141628,63558,0.449,0.542
1982,42788,180380,136817,69428,0.507,0.444
1983,29306,148112,112589,65942,0.586,0.508
1984,20574,112797,82961,48282,0.582,0.515
1985,42788,102394,66652,51102,0.767,0.537
1986,86501,96480,59837,48859,0.817,0.739
1987,164036,105395,46298,40760,0.88,0.584
1988,48742,153708,69391,54204,0.781,0.675
1989,29778,168184,99537,62885,0.632,0.676
1990,27094,145507,110745,67198,0.607,0.611
1991,92280,122708,89825,54692,0.609,0.664
1992,175094,106310,66379,47121,0.71,0.728
1993,38137,130161,71000,18123,0.678,0.660
```

And can be easily read into R

R Console (32-bit)

File Edit Misc Packages Windows Help

```
R is a collaborative project with many contributors.  
Type 'contributors()' for more information and  
'citation()' on how to cite R or R packages in publications.
```

```
Type 'demo()' for some demos, 'help()' for on-line help, or  
'help.start()' for an HTML browser interface to help.  
Type 'q()' to quit R.
```

```
> read.csv("http://taf.ices.local/TAF/fs/2015_had-iceg/report/summary.csv")
```

	Year	Rec	B3plus	SSB	Landings	YoverSSB	Fbar
1	1979	80923	162177	96072	55330	0.576	0.521
2	1980	37390	192244	116521	51110	0.439	0.398
3	1981	10426	206988	141628	63558	0.449	0.542
4	1982	42788	180380	136817	69428	0.507	0.444
5	1983	29306	148112	112589	65942	0.586	0.508
6	1984	20574	112797	82961	48282	0.582	0.515
7	1985	42788	102394	66652	51102	0.767	0.537
8	1986	86501	96480	59837	48859	0.817	0.739
9	1987	164036	105395	46298	40760	0.880	0.584
10	1988	48742	153708	69391	54204	0.781	0.675
11	1989	29778	168184	99537	62885	0.632	0.676
12	1990	27094	145507	110745	67198	0.607	0.611

Published assessments accessible on GitHub



ices-taf / 2015_had-iceg

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Icelandic haddock [Add topics](#) [Edit](#)

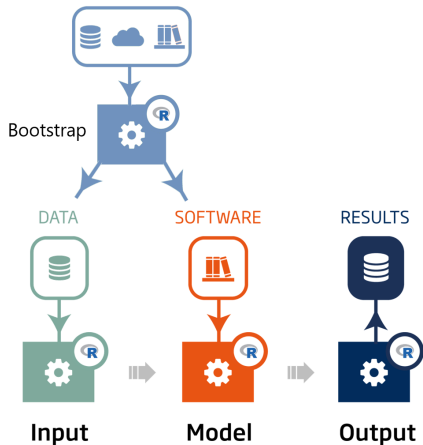
48 commits 2 branches 3 releases 2 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

colinpmillar test change for webhook post Latest commit 985241e 15 days ago

_model	Download model executable from TAF database	3 months ago
_raw	Download catageysa.dat from TAF database -> data, later moved to input	3 months ago
data.R	Use setwd("data") to shorten paths	a month ago
input.R	Sort header files alphabetically	2 months ago
model.R	Sort header files alphabetically	2 months ago
output.R	Extract model results -> Extract results	29 days ago

Setting up a TAF analysis



- ▶ The bootstrap script sets up all the data and software used in the analysis.
- ▶ This allows documentation of all inputs
- ▶ and version control of all inputs

TAF links



Main landing page - <http://taf.ices.dk>

One-page flyer - <https://ices-taf-dev.github.io/pdf/taf-flyer.pdf>

Tutorial

(video) - <https://www.youtube.com/watch?v=FweJbr9hfdY>

(written) - <https://github.com/ices-taf/doc/blob/master/tutorial-1/README.md>

Procedure to get an assessment into TAF

<https://github.com/ices-taf/doc/blob/master/procedure.md>

TAF assessment scripts - <https://github.com/ices-taf>

Thanks!



Questions?

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