



SOFIA-TAF

Technical overview and demonstration

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SOFIA-TAF workshop, Dar es Salaam

22 March 2023

Overview

SOFIA-TAF

open and reproducible, modular design, standardized structure

GitHub repositories

github.com/sofia-taf, analyses, package, data warehouse

TAF workflow

data → model → output → report

R packages

SOFIA, sraplus, TAF

SOFIA-TAF demos

EffortShared, EffortByStock, IndexByStock, PriorsByStock



SOFIA-TAF

2020 Initial discussions

2021 Prototype analysis of Area 37
Database
Design report

2022 SOFIA package 1.0
SOFIA-TAF launch at FAO-CAPAM meeting
Workshops in Areas 37, 31, 41

2023 Workshops in areas 57, 51



SOFIA-TAF

Standardized structure to organize the SOFIA analyses

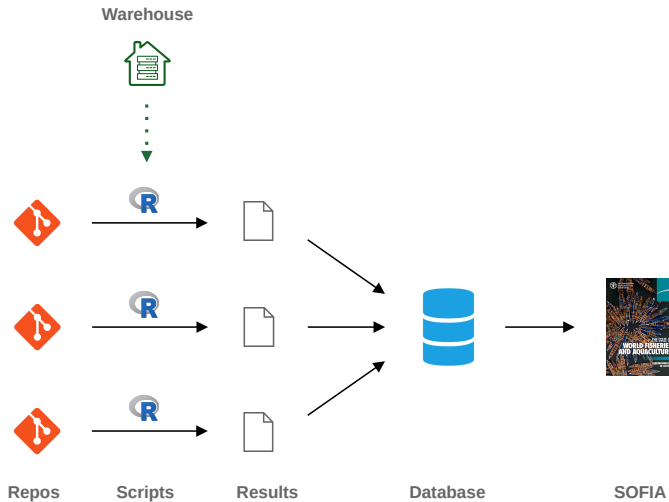
All the fisheries in the world

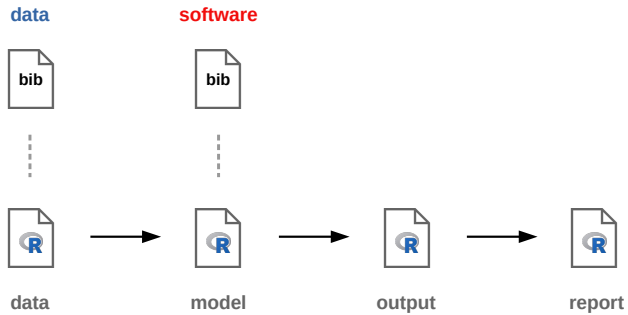
Converted from monolithic R Markdown to modular scripts

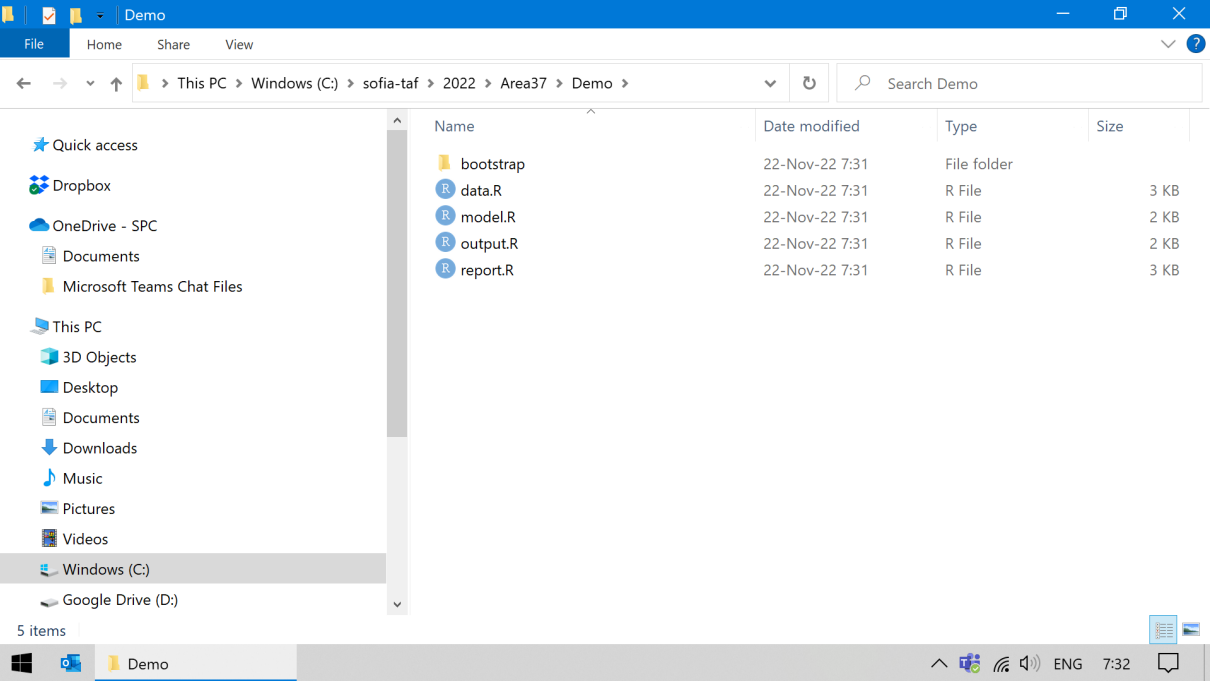
Tiers 1, 2, and 3

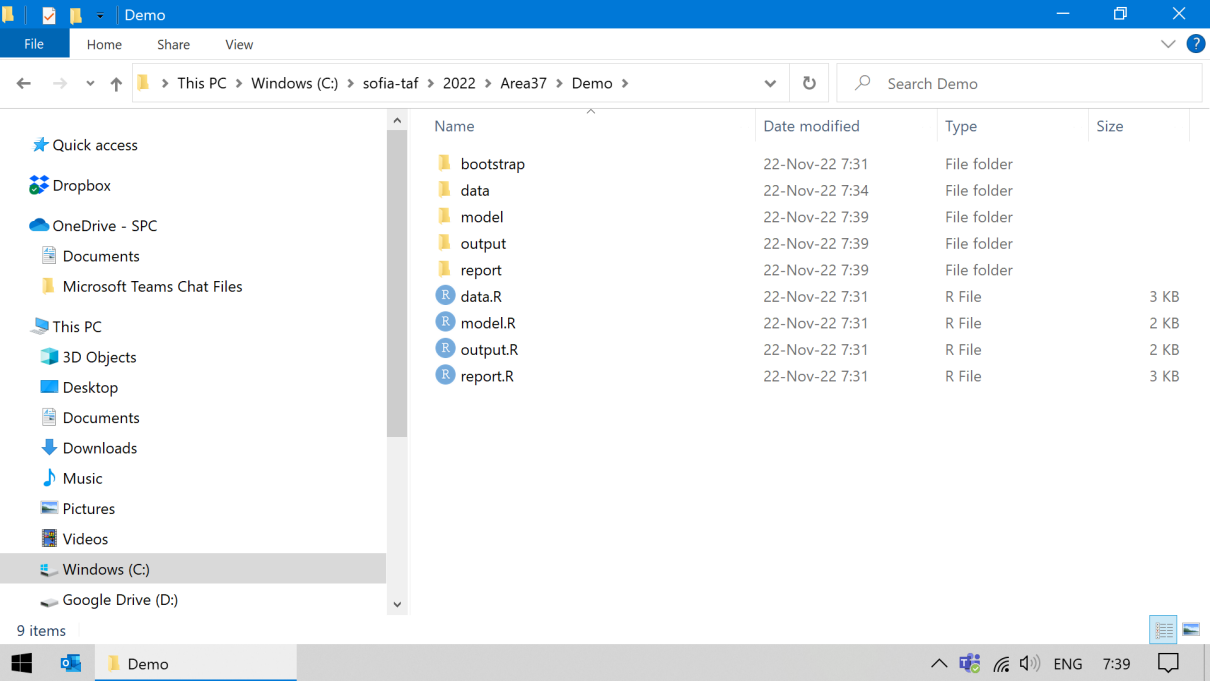
Ongoing development at github.com/sofia-taf

R package SOFIA, one place to make changes, affecting all the analyses









★ Quick access

Dropbox

OneDrive - SPC

Documents

Microsoft Teams Chat Files

This PC

3D Objects

Desktop

Documents

Downloads

Music

Pictures

Videos

Windows (C:)

Google Drive (D:)

Name	Date modified	Type	Size
bootstrap	22-Nov-22 7:31	File folder	
data	22-Nov-22 7:34	File folder	
model	22-Nov-22 7:39	File folder	
output	22-Nov-22 7:39	File folder	
report	22-Nov-22 7:39	File folder	
data.R	22-Nov-22 7:31	R File	3 KB
model.R	22-Nov-22 7:31	R File	2 KB
output.R	22-Nov-22 7:31	R File	2 KB
report.R	22-Nov-22 7:31	R File	3 KB

SOFIA-TAF resources

Documentation

[overview](#), [design](#), [tutorial](#)

Demos

[EffortShared](#), [EffortByStock](#), [IndexBystock](#), [PriorsBystock](#), [Area51](#)

Packages

[SOFIA](#), [sraplus](#), [TAF](#)

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