Release notes for Stock Synthesis 3.30.22.01

Jan 31, 2024

Greetings Stock Synthesis Users,

Release 3.30.22.01 of Stock Synthesis is now available. It is a small set of changes but we are releasing now to get out a few bug fixes that escaped through our testing scheme. You can view the change log as a GitHub project board incorporating links to the list of issues worked for this release. Find more information at the GitHub SS3 readme. The most notable changes in 3.30.22.01 are:

- Three bug fixes related to bootstrap data files and compreport.sso. Our automated testing scheme does not trap errors here and we'll be looking for ways to improve scope of our testing.
- Addition of a survey Q option that implements bias adjustment when the survey uses lognormal error. The new set of options now looks like:
    - #_Errtype: -1=normal; 0=lognormal; 1=lognormal with bias correction; >1=df for T-dist
- Addition of command line argument to change name of the ADMB generated output files. This became a needed augmentation as we transitioned all nomenclature to "ss3" but some files were hardwired to "ss", like ss.par. Now you can use the code word "modelname" in the command line to change to a name that best matches your workflow and needs for backward compatibility. Read about it here.

Reminders:

- Introduction of a github discussion board. We encourage you to follow it to stay up-to-date with discussions about features and to ask questions. VLAB Forum is still available but we encourage using the github site. Remember to follow the github site to get release notifications there.
- Jason Cope has made great strides with his Stock Assessment Continuum Tool which provides a R Shiny app to access most common SS3 and r4ss features.

There are no mandatory input changes. As always, we recommend that you update to the latest version of Stock Synthesis to take advantage of augmentations and bug fixes. Updating to the newest version, even if no new features pertain to your model, ensures that you will see new tips and warnings and the *.ss_new files created whenever you do a run contain updated notes on what we consider to be good practices with respect to SS3.

Change Log: Now directly linked to the included issues on GitHub.

VLAB updates: No updates at VLAB as we are migrating more resources to GitHub. See the Stock Synthesis homepage for the latest links. The message forum at VLAB is still a good way to post inquiries.

GUI - Stock Synthesis Interface (SSI) updates: The GUI has been updated to accommodate changes for this release of Stock Synthesis. This is the last planned update to the SSI.

ss3sim updates: See the ss3sim vignettes for information on getting started.

r4ss updates: r4ss has been updated to maintain compatibility with Stock Synthesis 3.30.22.

SS3 User Manual: Most documentation for Stock Synthesis can be viewed at https://nmfs-ost.github.io/ss3-doc/. In particular, there is now an html version of the user manual.

Contact us: Please do not hesitate to report bugs, ask a question about SS3, or request a feature. Contact the SS3 development team by opening an issue (for those with GitHub accounts), posting on the VLAB forums, or emailing nmfs.stock.synthesis@noaa.gov.