The Future of SAS Enterprise Guide and SAS Studio



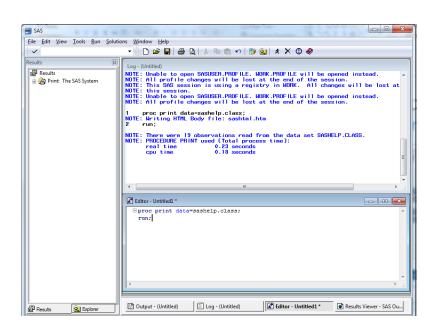
Agenda

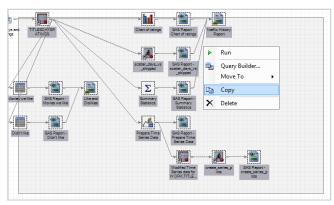
- Where we've come from
- Where we are
- Where are we going?
- What's coming in SAS Enterprise Guide
- What's coming in SAS Studio
- Roadmap

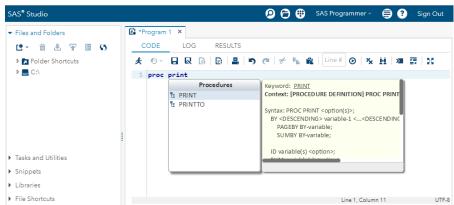


Where We've Come From

SAS Display Manager, SAS Enterprise Guide, SAS Studio



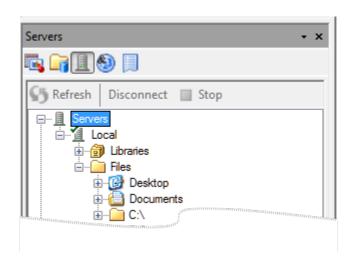


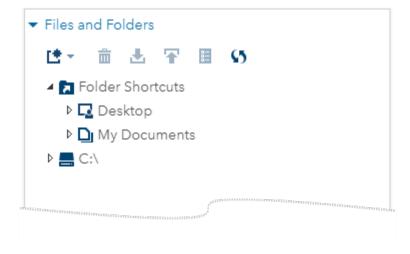


Where We Are

What's common between SAS Enterprise Guide and SAS Studio

Common file navigation



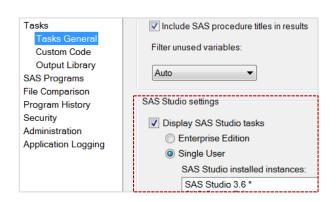


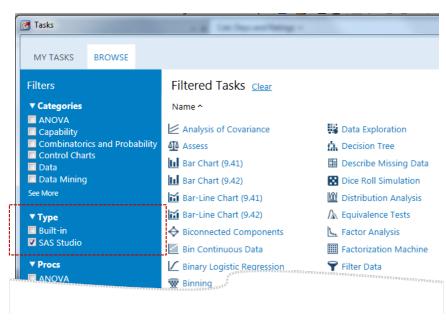


Where We Are

What's common between SAS Enterprise Guide and SAS Studio

- Common file navigation
- Use SAS Studio tasks in SAS Enterprise Guide



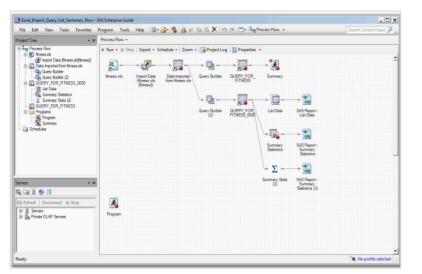




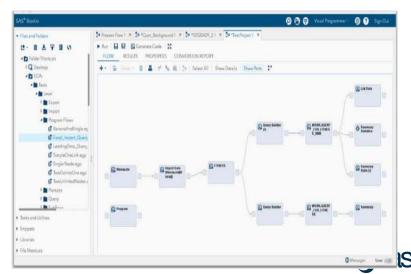
Where We Are

What's common between SAS Enterprise Guide and SAS Studio

- Common file navigation
- Use SAS Studio tasks in SAS Enterprise Guide
- Convert EGP files to SAS Studio process flows (experimental for SAS Studio 3.6, production in 3.7)







Where Are We Going?

Interoperability between SAS Enterprise Guide and SAS Studio

Short Term:

- Bring the SAS programmer features of SAS Studio into SAS Enterprise Guide
- Bring the assistive / point-and-click features of SAS Enterprise Guide into SAS Studio
- Familiar SAS feel for both theming and navigation

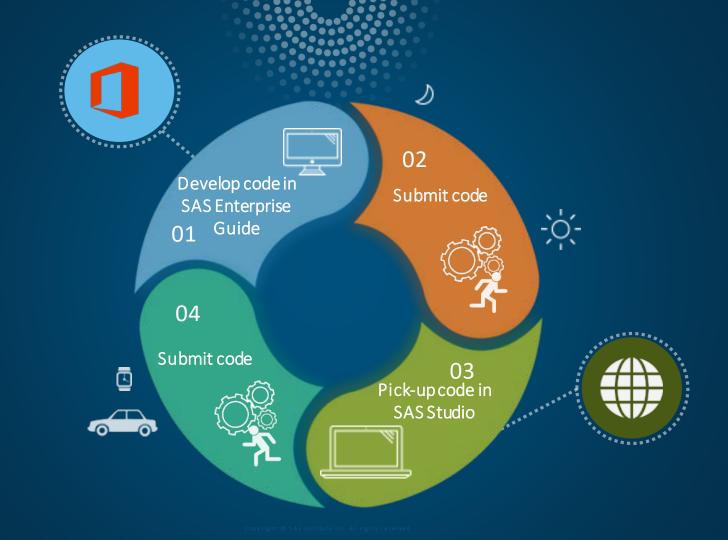
Long Term:

- Expand common assets beyond .sas files
- Execution convergence consistent way of executing jobs

Ultimate Goal:

 Users move seamlessly between the two leveraging the strengths of each – browser and rich-client





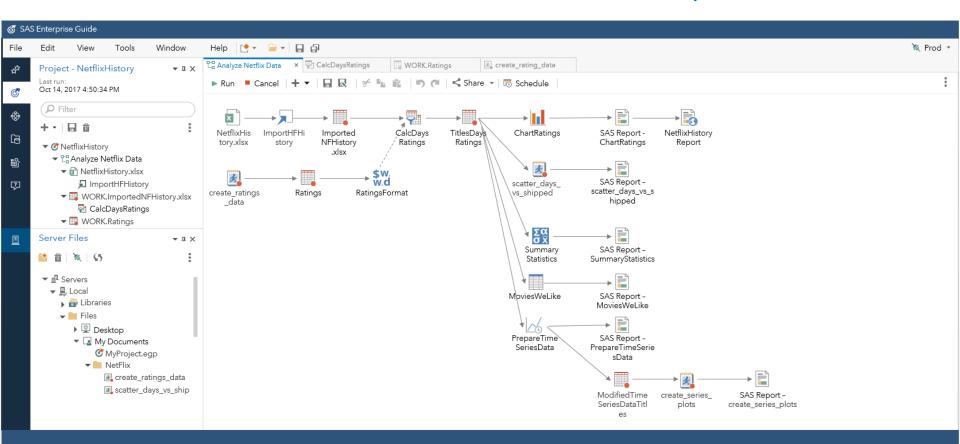
What's Coming for SAS Enterprise Guide

- Minor release (7.15) shipped with SAS 9.4M5
- Major release (8.1) planned for 2018
 - Refresh of the UI to match current SAS themes and modernize.
 - Addition of the ability to create, edit, and save SAS code without requiring a project or process flow.
 - Window docking manager (drag and float or dock with drop zone previews, tear-off views, leverage multiple monitors).

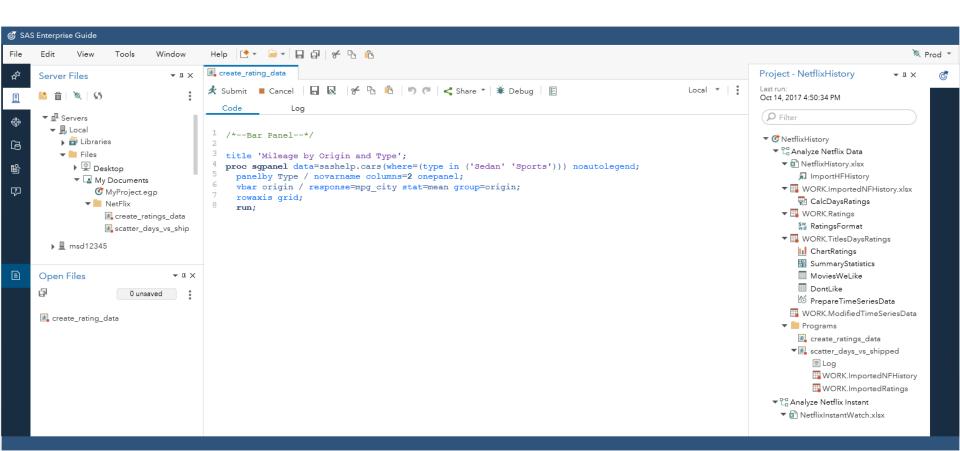


Modern Theme – SAS Family

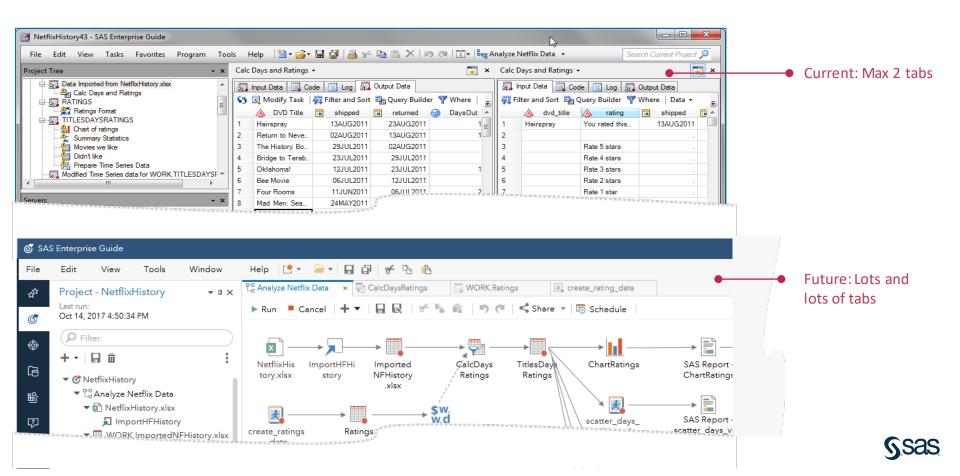
Establish a familial resemblance across SAS's products



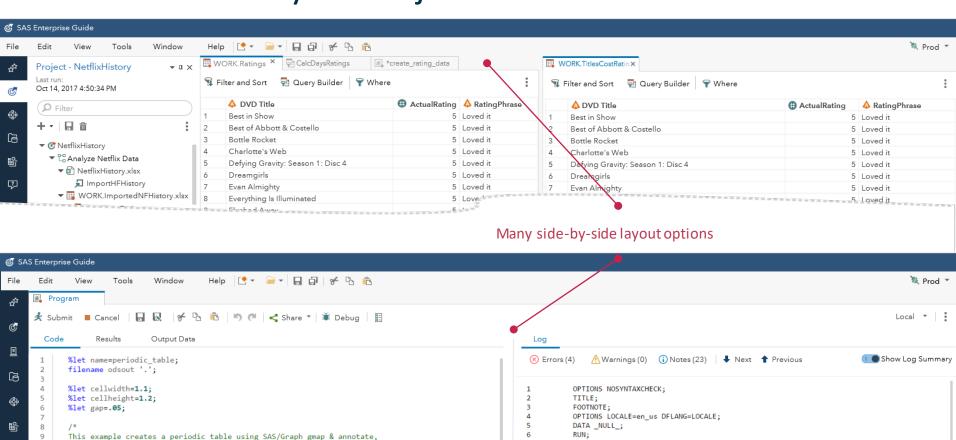
Lots of Pane Layout Flexibility – Dock, Float, Stack



Multiple Tabs



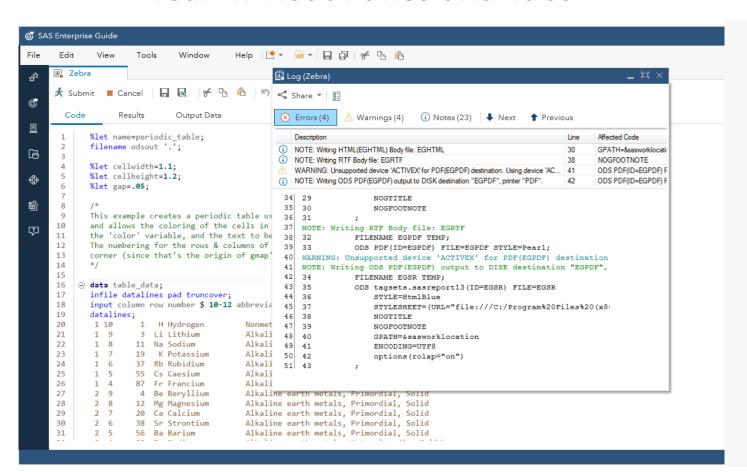
Layout Major and Minor Tabs



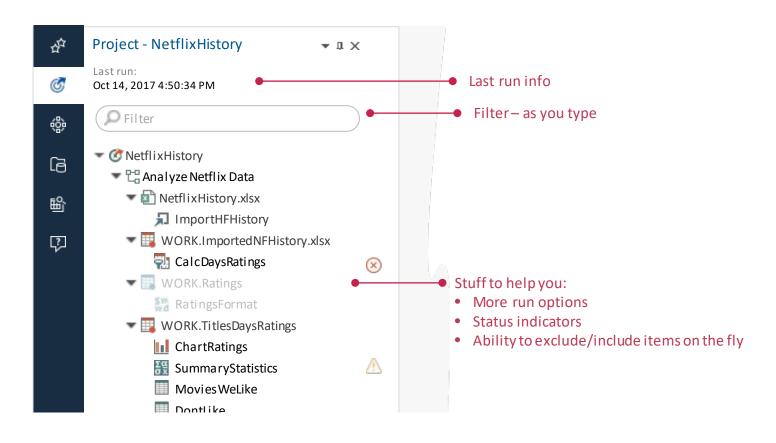
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and allows the coloring of the cells in the table to be controlled by the 'color' variable, and the text to be controlled via the 'text' variable. NOTE: DATA statement used (Total process time):

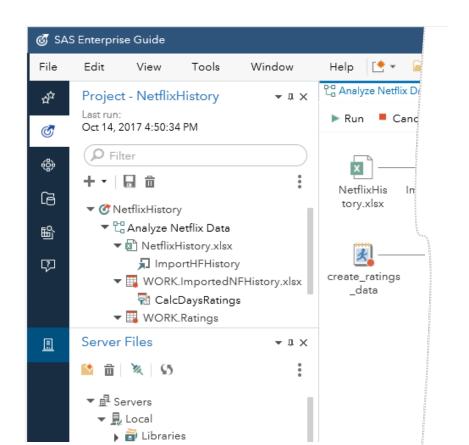
Tear 'n Float Panes and Tabs

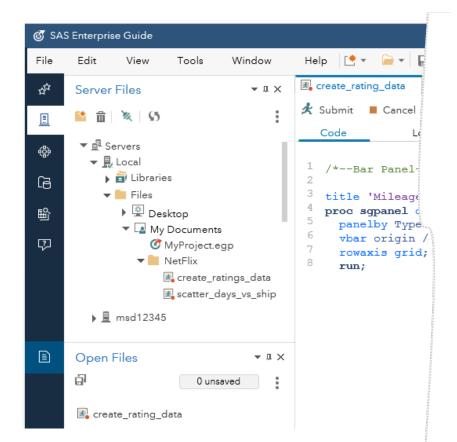


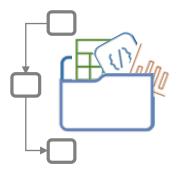
Project Pane Enhancements



Working with a Project (or not!)

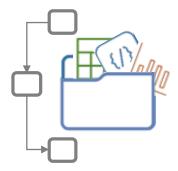






I love the way EG adds files to projects and process flows for me





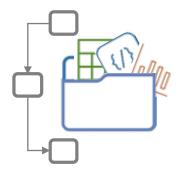




I love the idea of a projects and process flows, but I want to add files myself









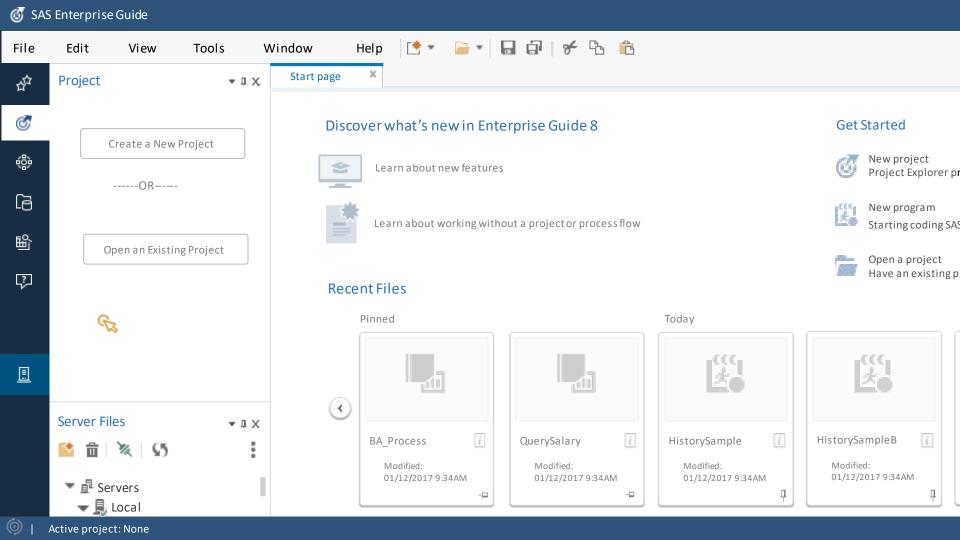


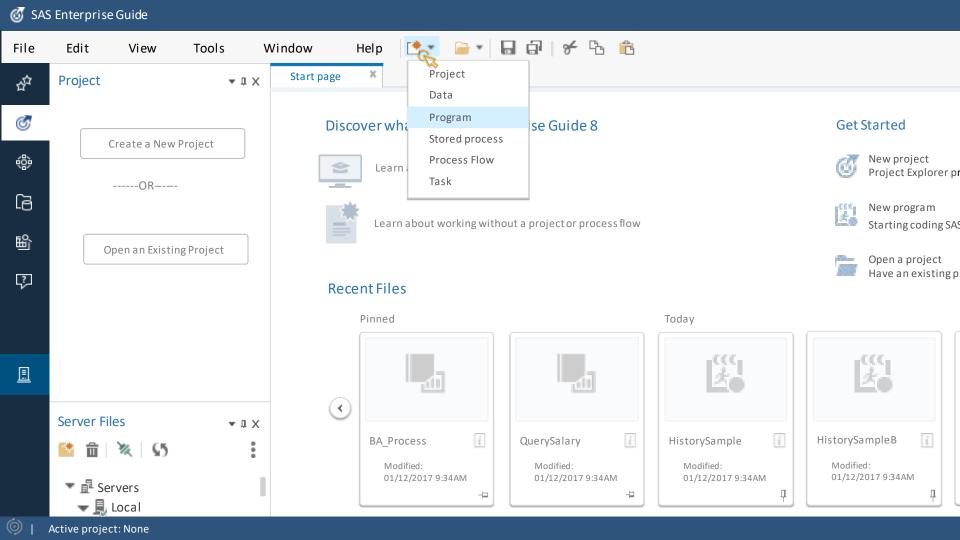
I just want to program – not interested in projects or process flows

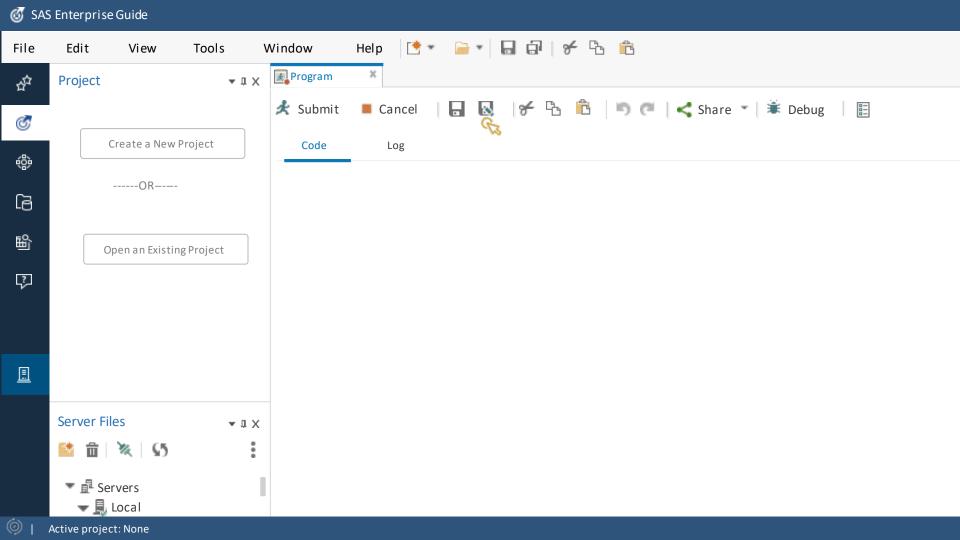




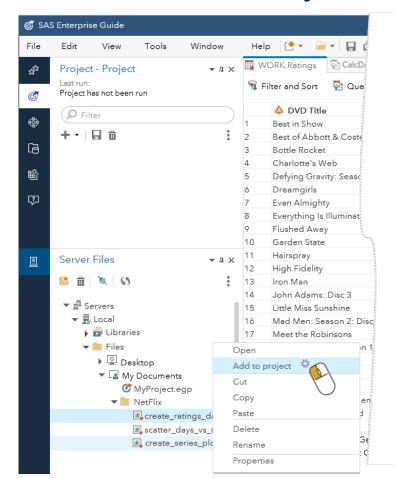


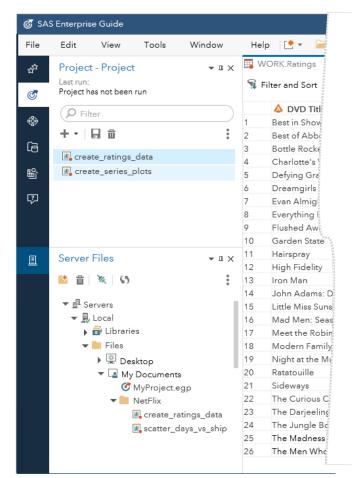


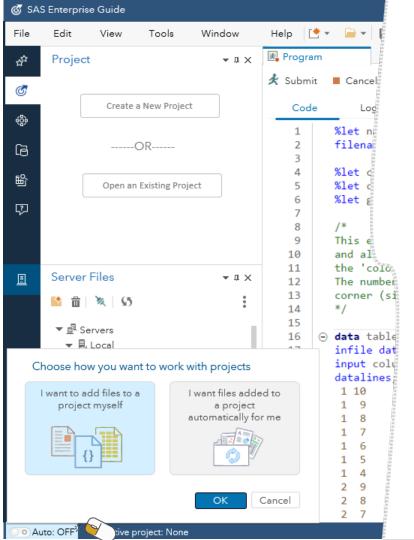




Project – Add Files Yourself







Project Mode – ON or OFF

Where would you expect to turn "using a project or not" on or off?

- Preferences?
- Accessible option in the UI?
- Other?

Would you want to see this setting in the UI? For example, in the status bar an icon indicates ON or OFF.



How often do you think you will switch between the two options?

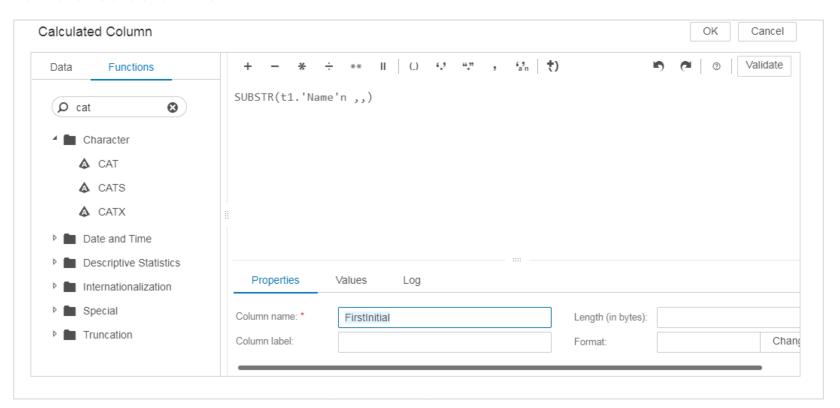
What's Coming for SAS Studio

- Minor release (3.7) shipped with SAS 9.4M5
- Major release (5.1) planned for 2018
 - Re-write of UI and mid-tier to take advantage of new technology and SAS standards
 - Additional features requested by users including a more robust query tool, ability to organize and search assets, and so on.
 - New notebook layout



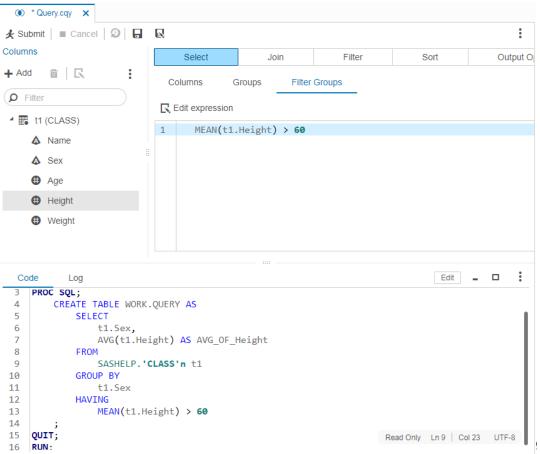
Enhancements to the Query Tool

Calculated columns



Enhancements to the Query Tool

- Calculated columns
- Having

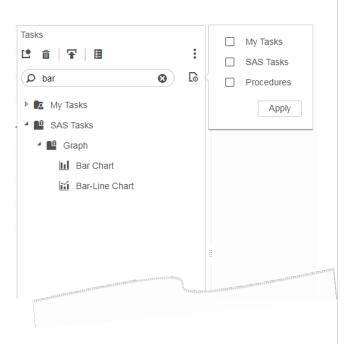


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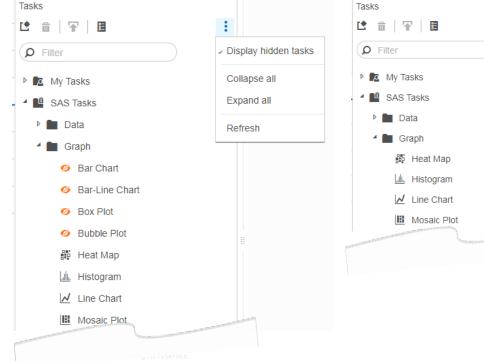
Organization

Filter and Hide/Show Tasks and Snippets





Hide & Show

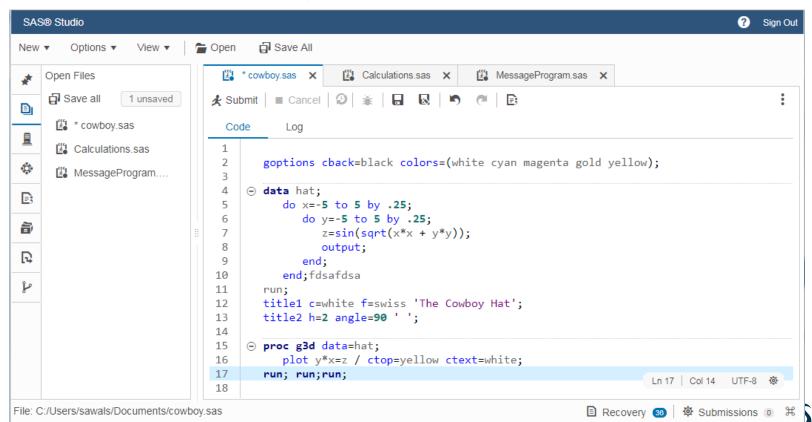




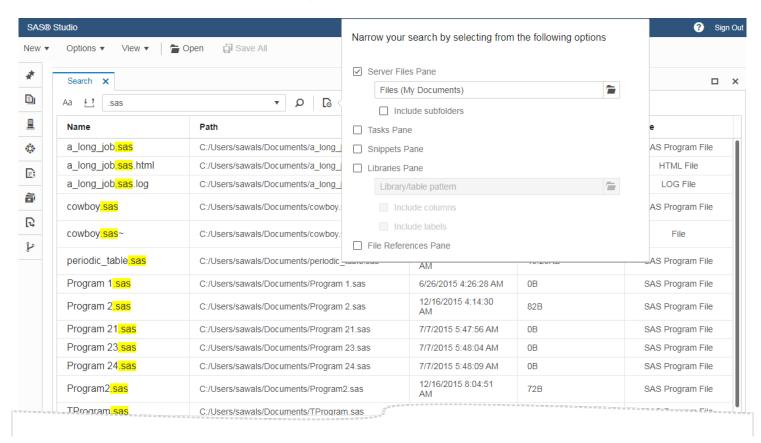
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Organization

View Open Tabs At-A-Glance



Organization Improved Search

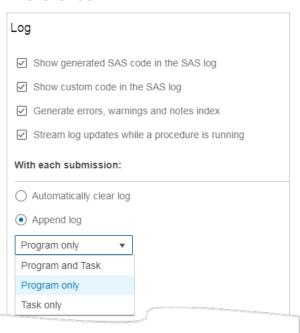




Managing Your Session

Control How the Log Behaves

Preference



Clearlog

```
cowboy.sas X
Clear log
                   Output Data
  Code
           Log
Errors (2)

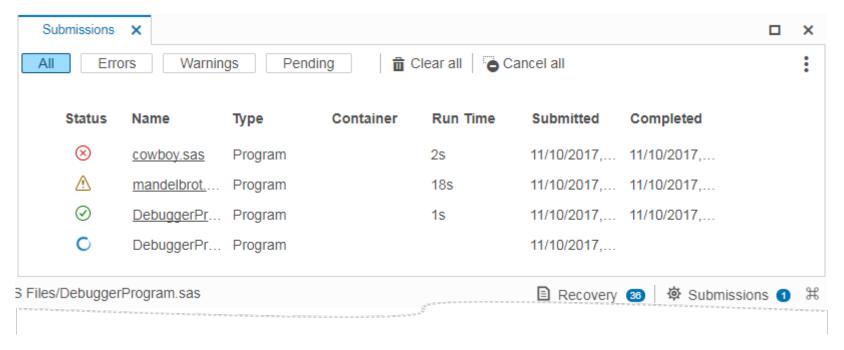
∧ Warnings (1)

                         (i) Notes (16)
    real time
                    0.00 seconds
    cpu time
                    0.00 seconds
            run; run;
96
97
98
99
        ODS HTML CLOSE;
100
101
        &GRAPHTERM; ;*';*";*/;RUN;QUIT;
102
        QUIT; RUN;
```



Managing Your Session

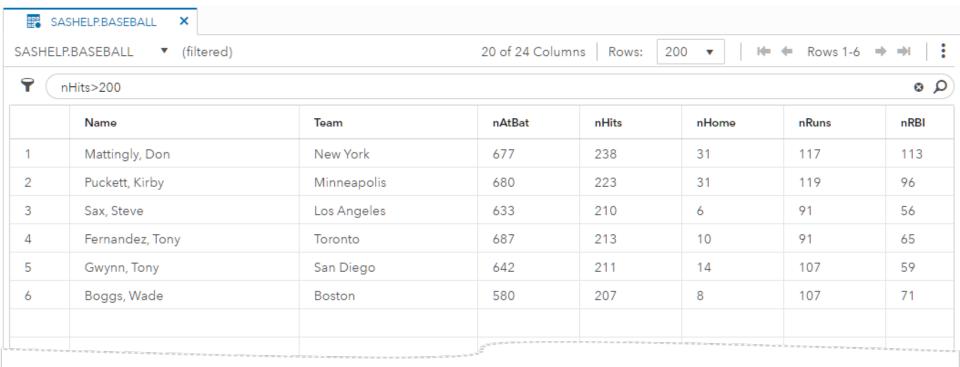
Submission Status





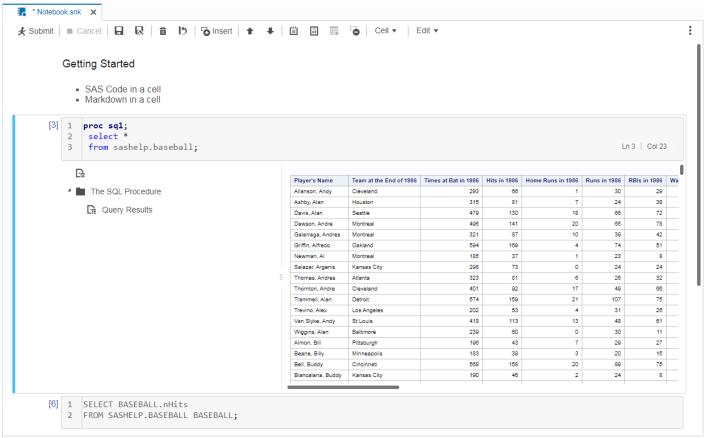
Working with Tables

Filter in-place





Notebooks in SAS Studio





More Features Planned



- Integration with Git for source management
- Interactive mode (separate perspective) with appended log and appended results which you clear at will

DATA Step Debugger

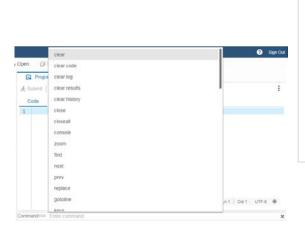
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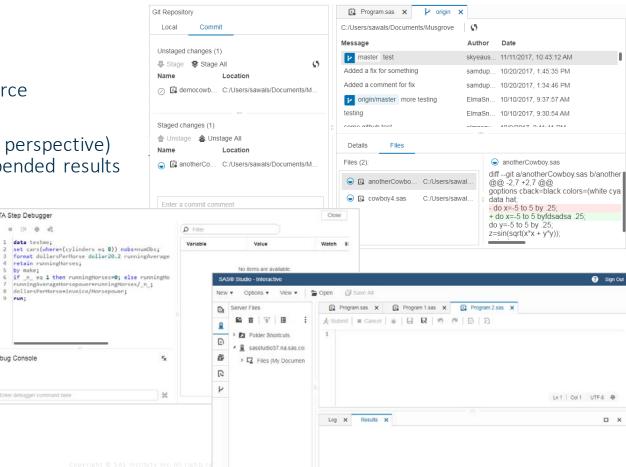
by make;

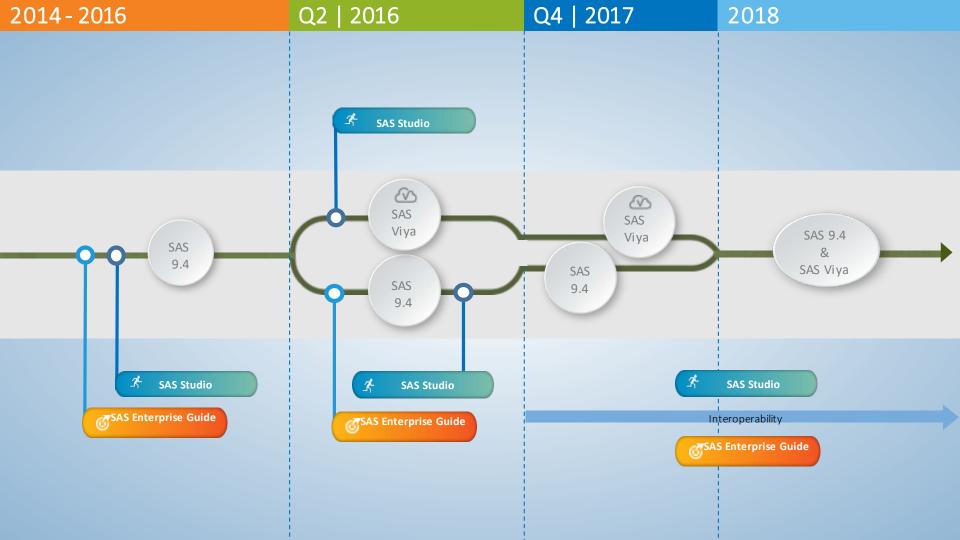
9 run:

Debug Console









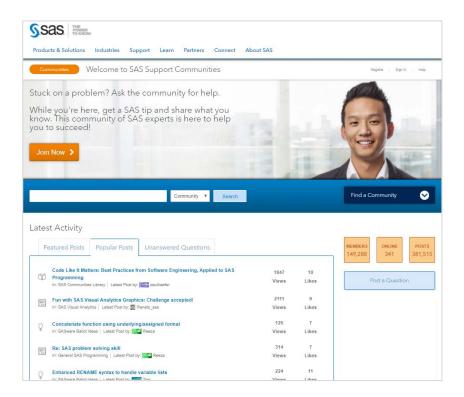
Be a Part of the Discussion

Connect with us on SAS Communities

- SAS Studio community find it under SAS Programming
- SAS Enterprise Guide community

 find it under Business

 Intelligence
- SASware ballot ideas







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