

The Future of SAS Enterprise Guide and SAS Studio



## Agenda

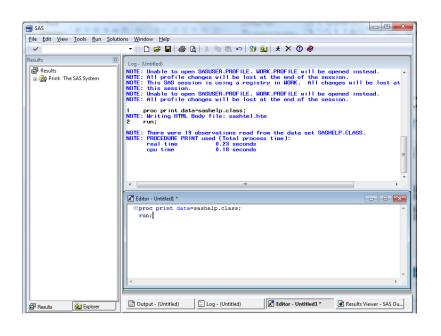
- Where we've come from
- Where we are
- Where are we going?
- What's coming in SAS Enterprise Guide
- What's coming in SAS Studio
- Roadmap

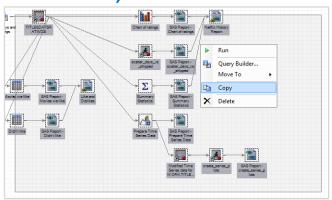


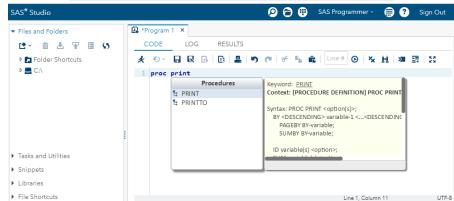


#### Where We've Come From

#### SAS Display Manager, SAS Enterprise Guide, SAS Studio







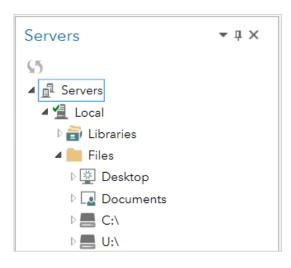




#### Where We Are

#### What's common between SAS Enterprise Guide and SAS Studio

Common file navigation



SAS Enterprise Guide



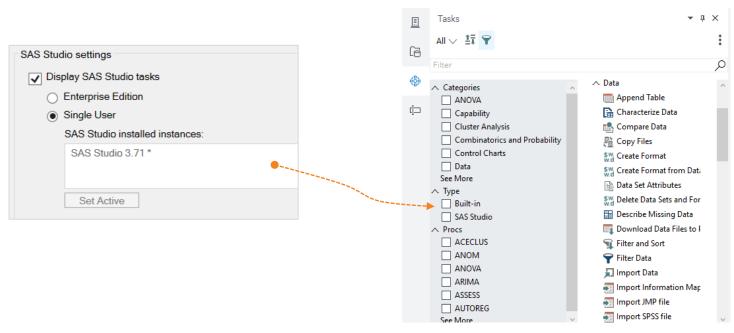
**S**sas



#### Where We Are

#### What's common between SAS Enterprise Guide and SAS Studio

Use SAS Studio tasks in SAS Enterprise Guide



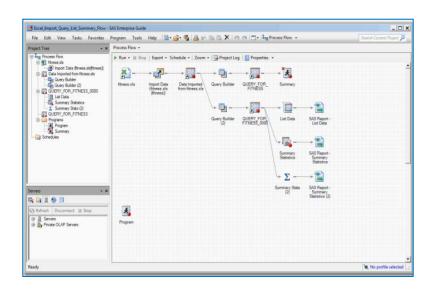




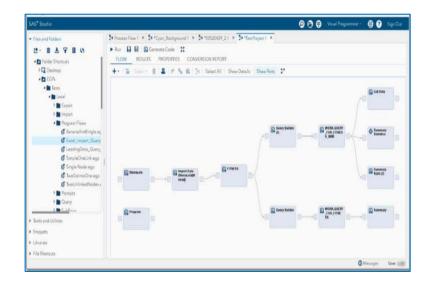
#### Where We Are

#### What's common between SAS Enterprise Guide and SAS Studio

• Convert EGP files to SAS Studio process flows (experimental for SAS Studio 3.6, production 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

#### • 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

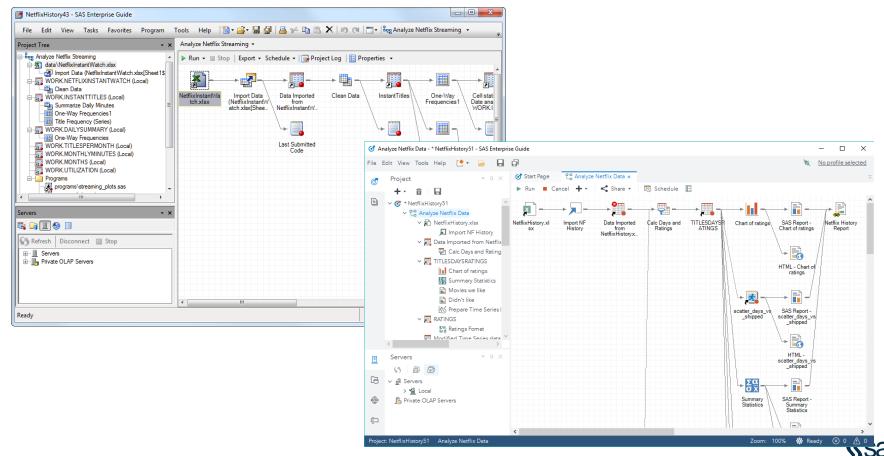
Major Release (8.1) Planned for 2019

- Refresh of the UI to match current SAS themes.
- Window docking management.
  - Drag and float or dock with drop zone previews
  - Tear-off views
  - Leverage multiple monitors
- Ability to create, edit, and save SAS code without requiring a project or process flow.



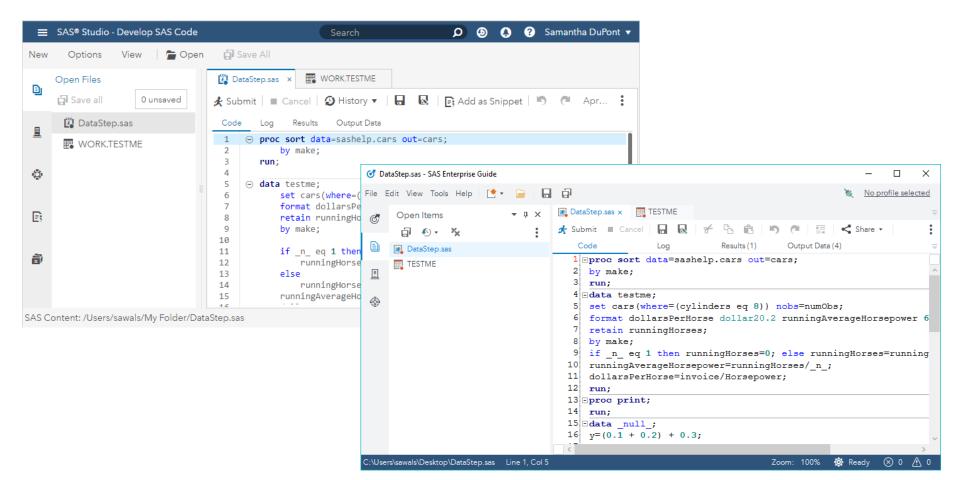


## Refresh the Look





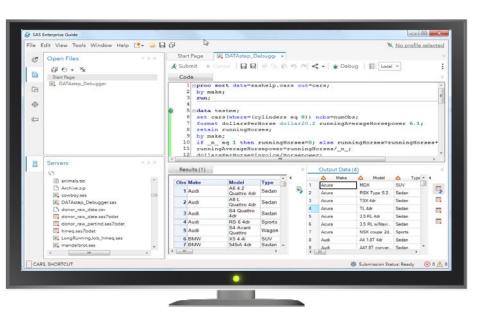
## Establish a Familial Resemblance Across SAS Products





# Lots of Pane Layout Flexibility

## Dock, Float, Stack

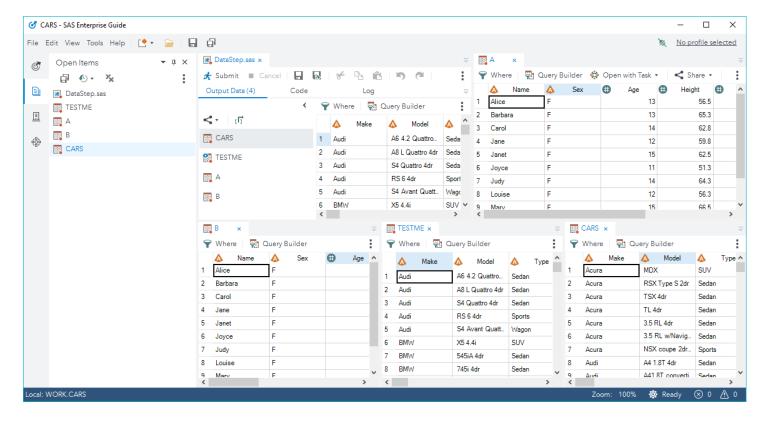








## Layout Major and Minor Tabs

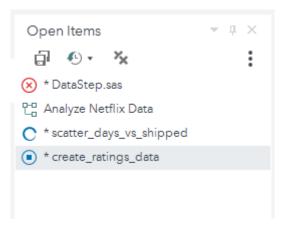






## Open Files

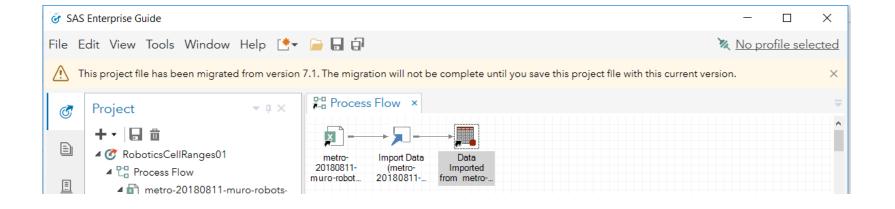
- See status of files that are open queued to be submitted, submitting, need to be saved
- Organize tabs close, rearrange







# Better Notifications That Don't Get in Your Way

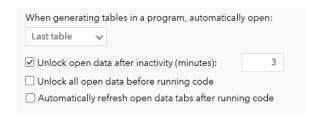


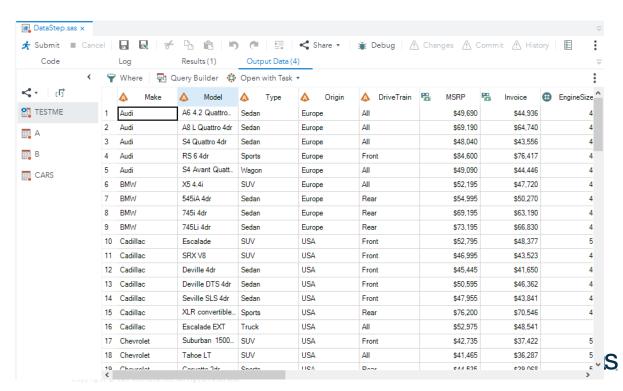




## **Output Data Performance Options**

New options for controlling what output data to open automatically

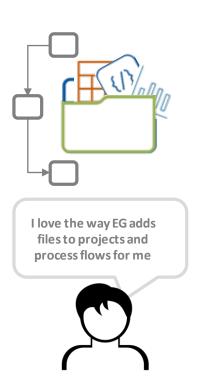


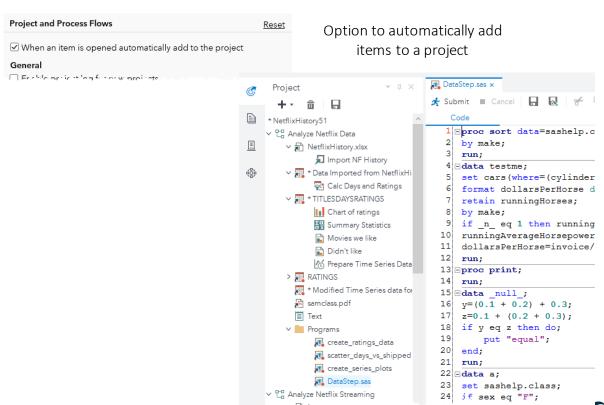




# Adding Files to a Project

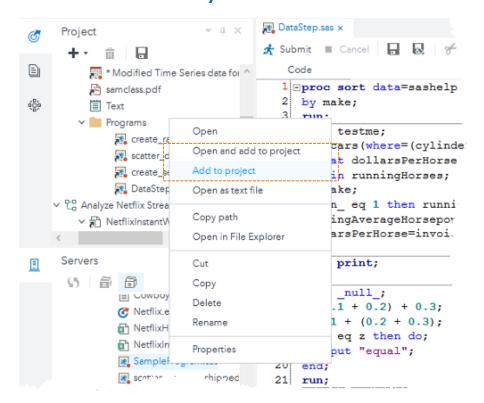
## **Automatically**







# Add Files to a Project Manually







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





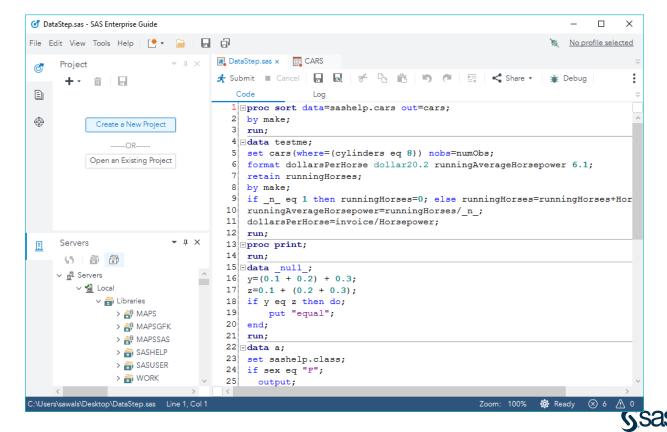


## No Project!



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







## What's Coming for SAS Studio

## Major release (5.x) planned for 2019

- Re-write of UI and mid-tier to take advantage of new technology and SAS standards
- High feature requests
  - Customize code editor appearance
  - Organize and search assets
  - Snippet abbreviations
  - Append log
  - Interactive perspective, improved

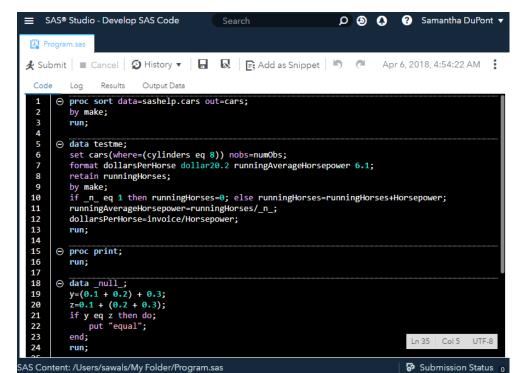




#### **Customize Editor**

#### Appearance & Behavior

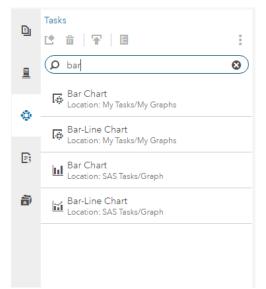
Colors and Fo	onts for SAS	Rese
Syntax theme:	Dark ▼	
Font:	Consolas ▼ 14 ▼	
✓ Enable synt	ax highlighting	
Element:	Normal text 🔻	
Text style:	□ B <i>I</i> <u>U</u>	
Background	d color:	
Preview:		
2 %include 3 4 filename 5 data tut	<pre>some sample code */ %unquote(&amp;open.gtestit&amp;close);  xyz printer "HP Laserjet IIISi" altdest='c:\out.prn'; 1; ='1ian2013'd:</pre>	I



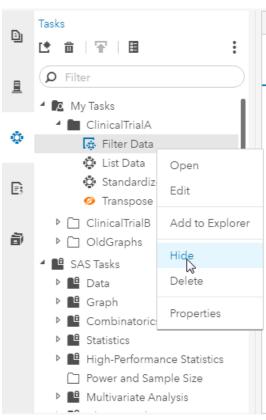


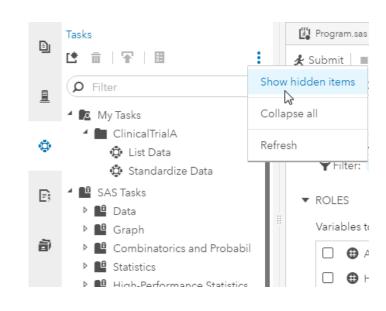
## Organization

#### Filter Tasks and Snippets in Pane



#### Hide/Show Tasks and Snippets

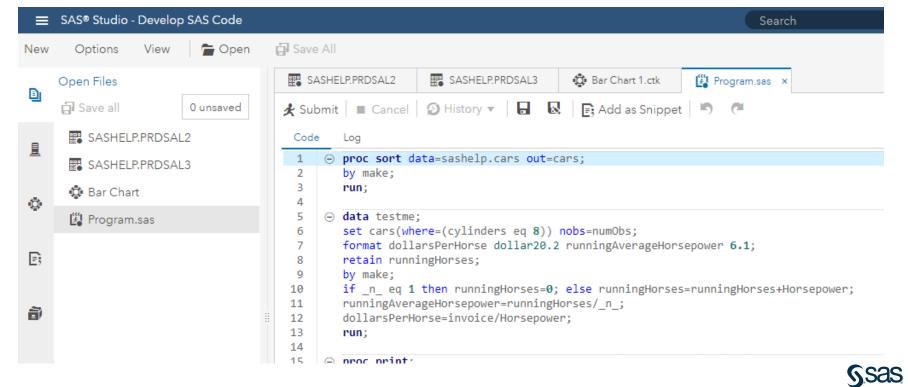






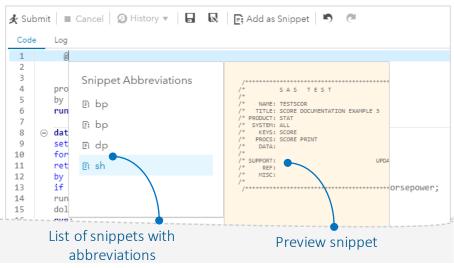


# Organization View Open Tabs At-A-Glance









# **Snippet Abbreviations**

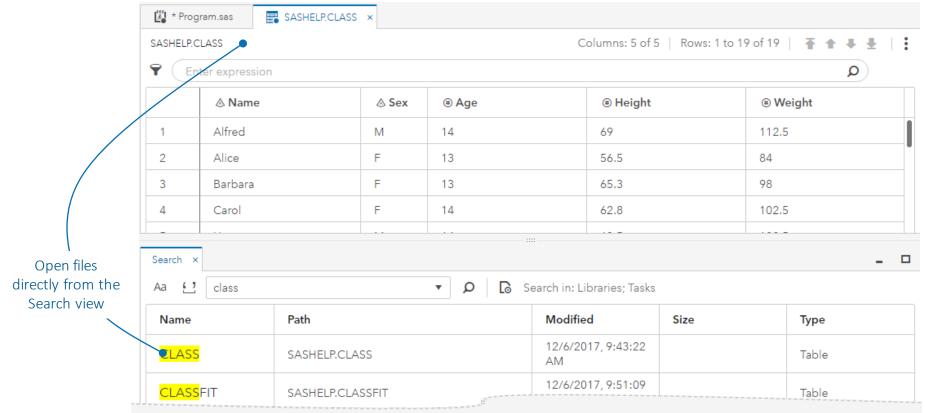
@ is the trigger

#### TAB or ENTER inserts snippet

```
Code
      Log
                SAS TEST
            NAME: TESTSCOR
           TITLE: SCORE DOCUMENTATION EXAMPLE 3
          SYSTEM: ALL
            KEYS: SCORE
           PROCS: SCORE PRINT
       /* SUPPORT:
                                     UPDATE:
14
            MISC:
15
17
18
    O mor cont data=sashelp.cars out=cars;
```

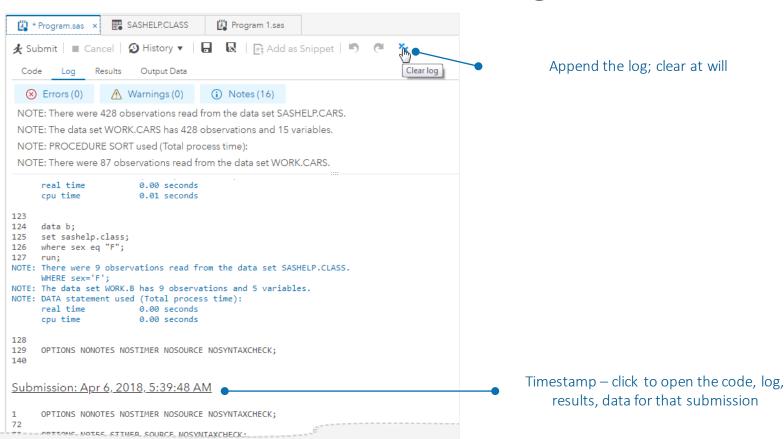


## Organization Improved Search





## Control How the Log Behaves

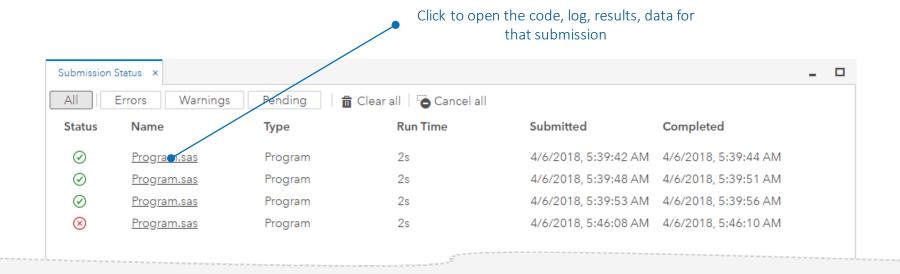






# Managing Your Session

#### **Submission Status**

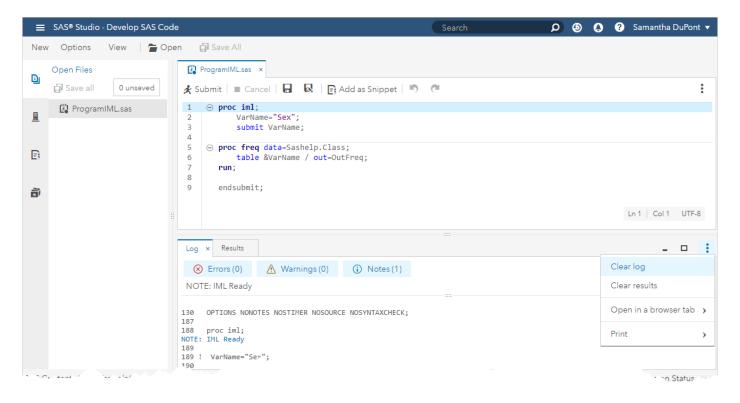






## Interactive Perspective

## Append log and results, recall last submitted code

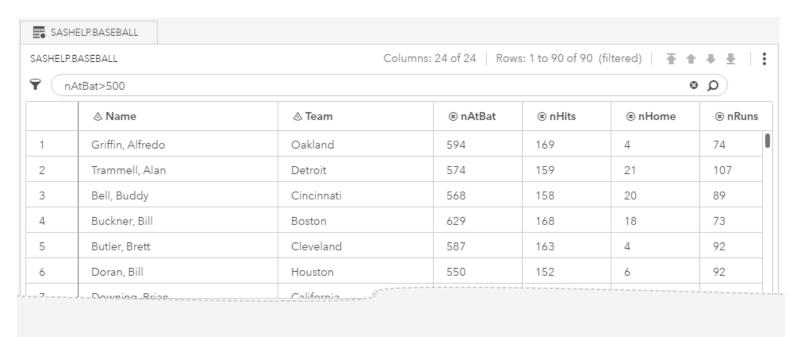






## Working with Tables

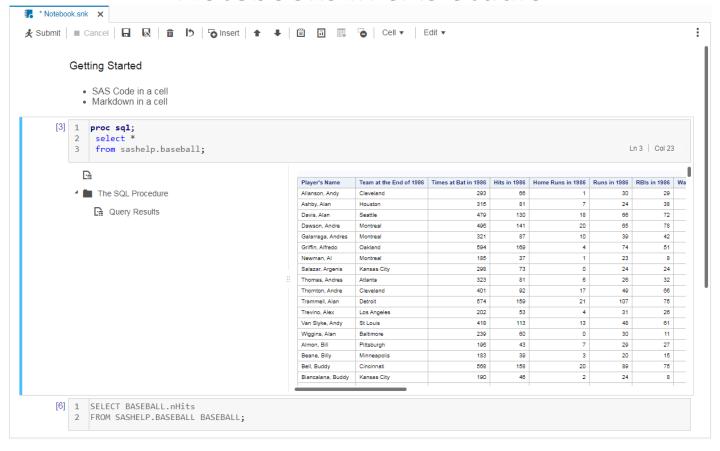
## Filter in-place







## Notebooks in SAS Studio



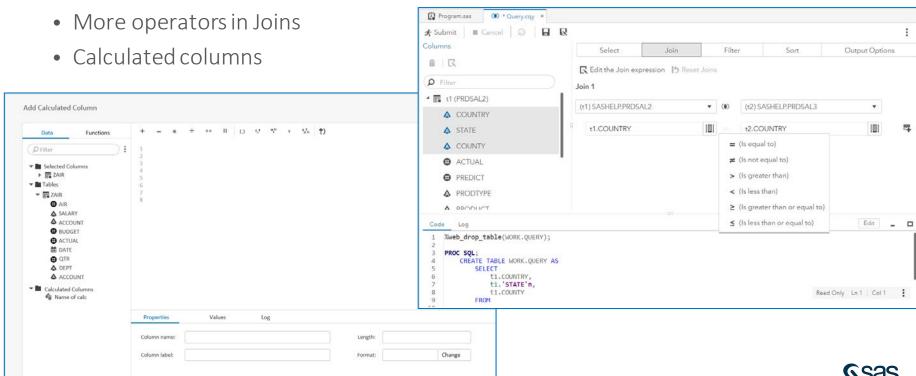




## More Features Planned

#### **Enhanced Query tool**

Expression builder for Where and Having





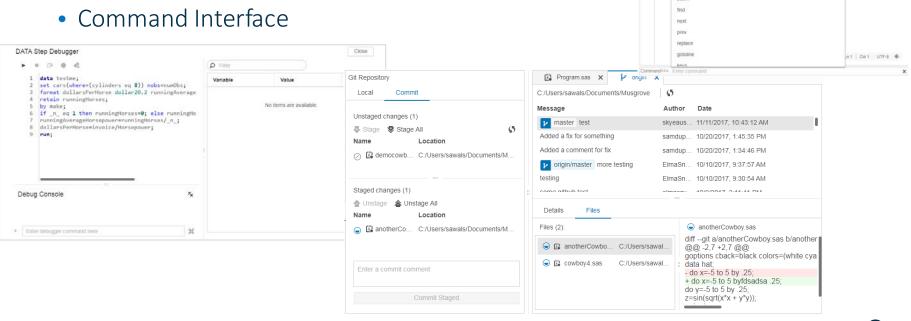
## More Features Planned

Open (il clear code

clear history

console

- DATA step debugger
- Integration with Git for source management

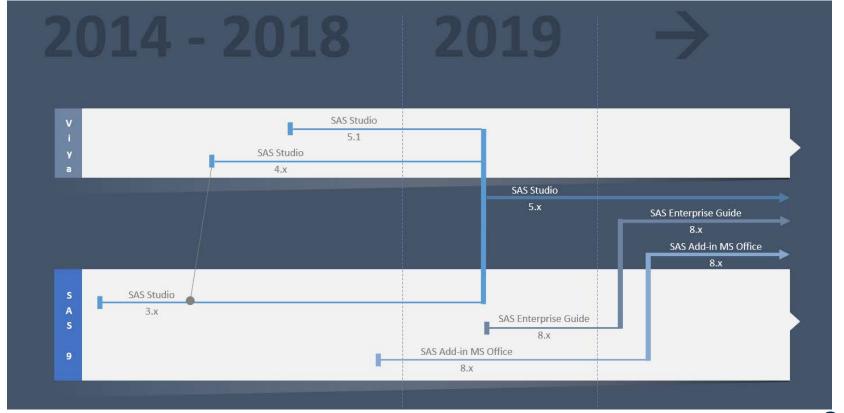




9 Sign Out



# Roadmap





#### 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

