

Hands-on Workshop ♦ 5 September 2019 ♦ 8:30 to 10:00

## WESTERN USERS of SAS SOFTWARE

SEPTEMBER 4-6, 2019



# Everything is better with friends: Executing SAS code in Python scripts with SASPy

Isaiah Lankham

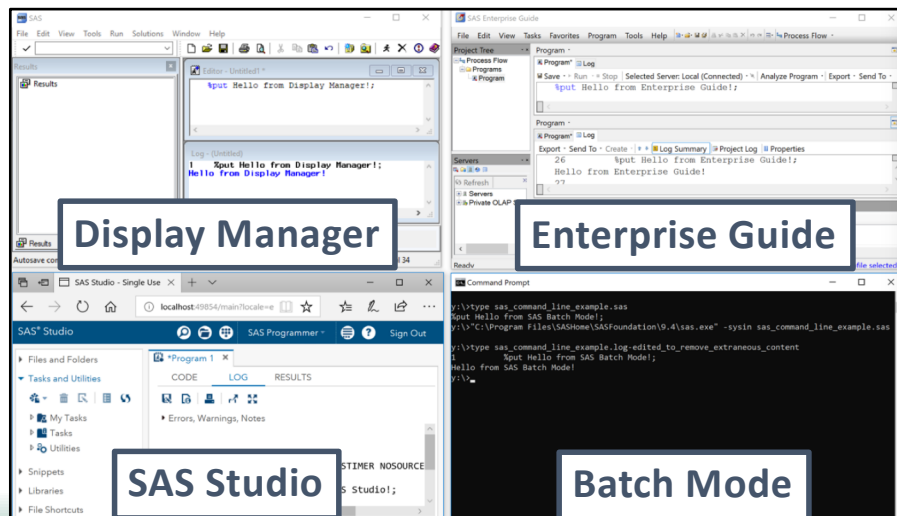
University of California  
Office of the President  
Oakland, CA

Matthew Slaughter

Kaiser Permanente  
Center for Health Research  
Portland, OR

Workshop files: <https://github.com/saspy-bffs>

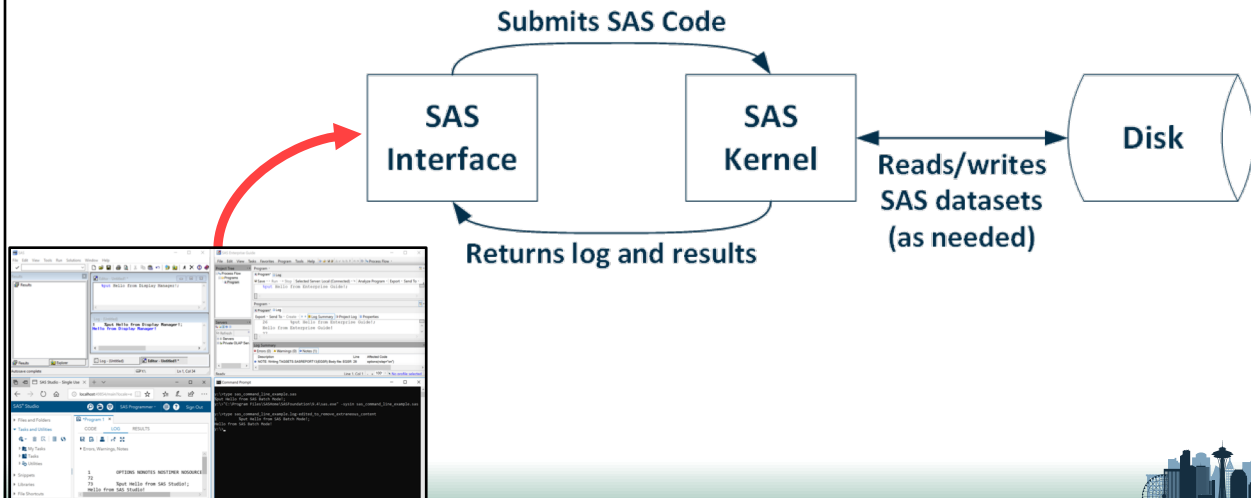
## SAS System V9 Interfaces



Workshop files: <https://github.com/saspy-bffs>



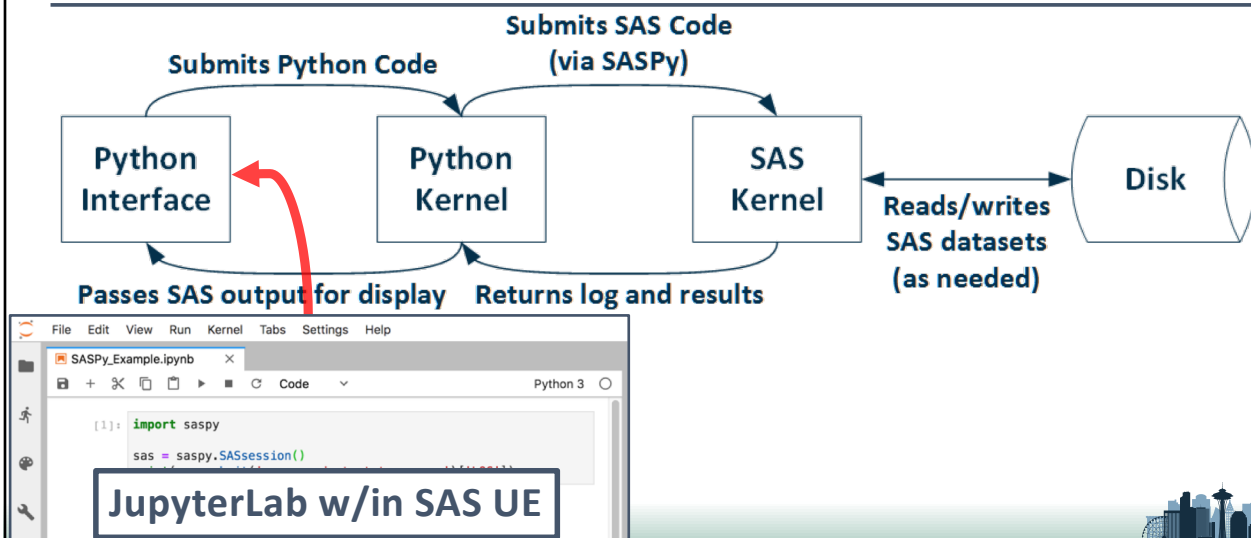
# SAS System V9 Interfaces



Workshop files: <https://github.com/saspy-bffs>



# SASPy Architecture



Workshop files: <https://github.com/saspy-bffs>



## Presenting: The Best of Both Worlds...



### Strengths

Data Analysis  
Data Management  
Statistics

### Strengths

Scripting  
Web Dev  
Community

Workshop files: <https://github.com/saspy-bffs>



## Code Vignettes

### Examples 0-5

- ▶ Python Overview for SAS Programmers

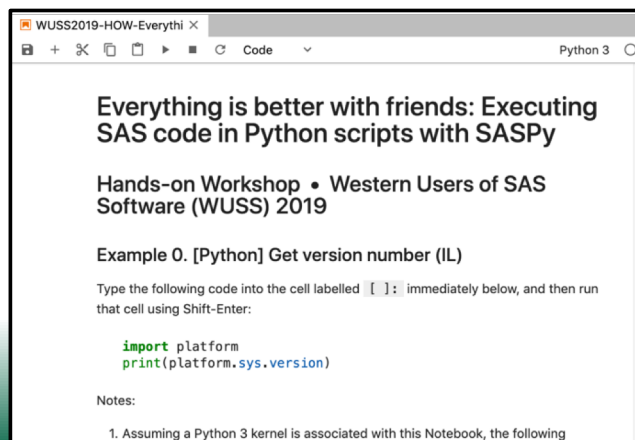
### Examples 6-10

- ▶ SASPy "round trip"
- ▶ Convenience Methods

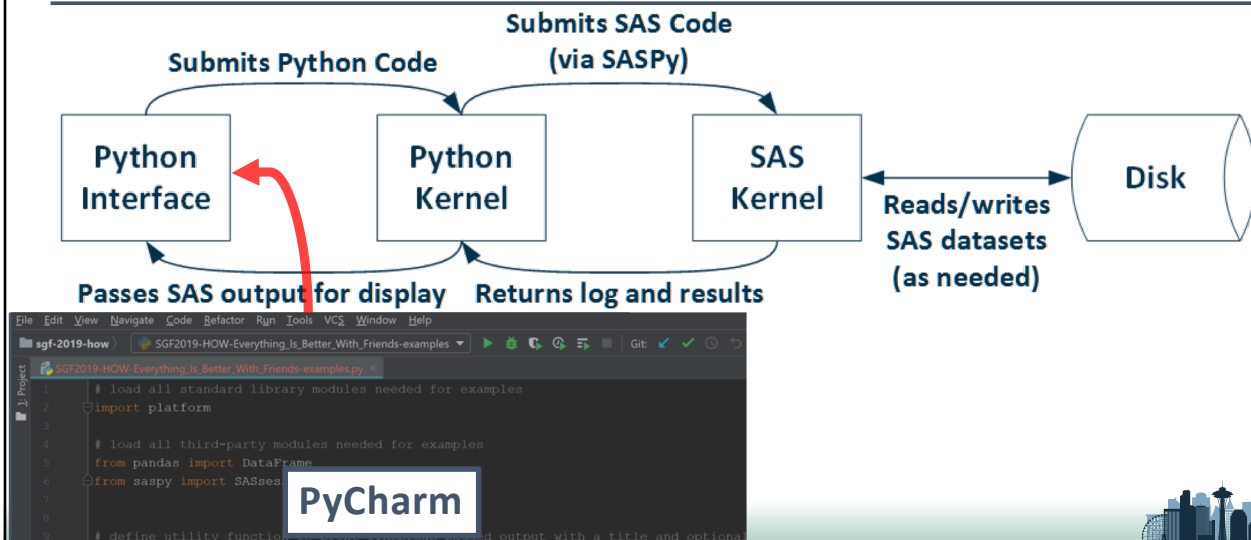
### Extra Credit

- ▶ Additional Use Cases

Workshop files: <https://github.com/saspy-bffs>



## Take the SASPy Challenge! (Handout, page 2)



Workshop files: <https://github.com/saspy-bffs>



## Call to Action!

### During WUSS

Rate us in the WUSS App

Attend FLOSS talks **today** in the West Seattle Room beginning at 1:30 p.m.

Read Paper 142-2019: *Everything is better with friends: Executing SAS code in Python scripts with SASPy*

### After WUSS

Replicate HOW w/ Handout

Attend the "Development Sprint" **tomorrow** in the **[To Be Determined]** Room beginning at 1:30 p.m.

Read *A Whirlwind Tour of Python* (free; online)

Workshop files: <https://github.com/saspy-bffs>

