

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

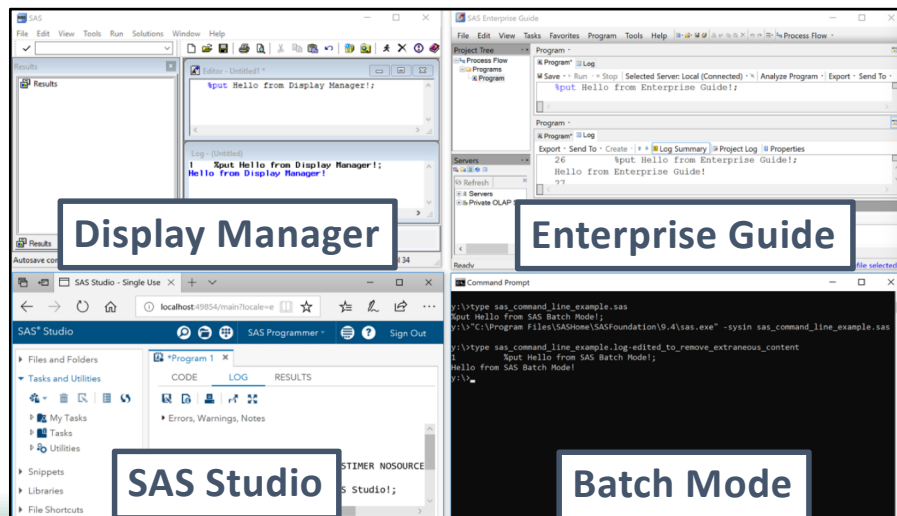
University of California
Office of the President
Oakland, CA

Matthew Slaughter

Kaiser Permanente
Center for Health Research
Portland, OR

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

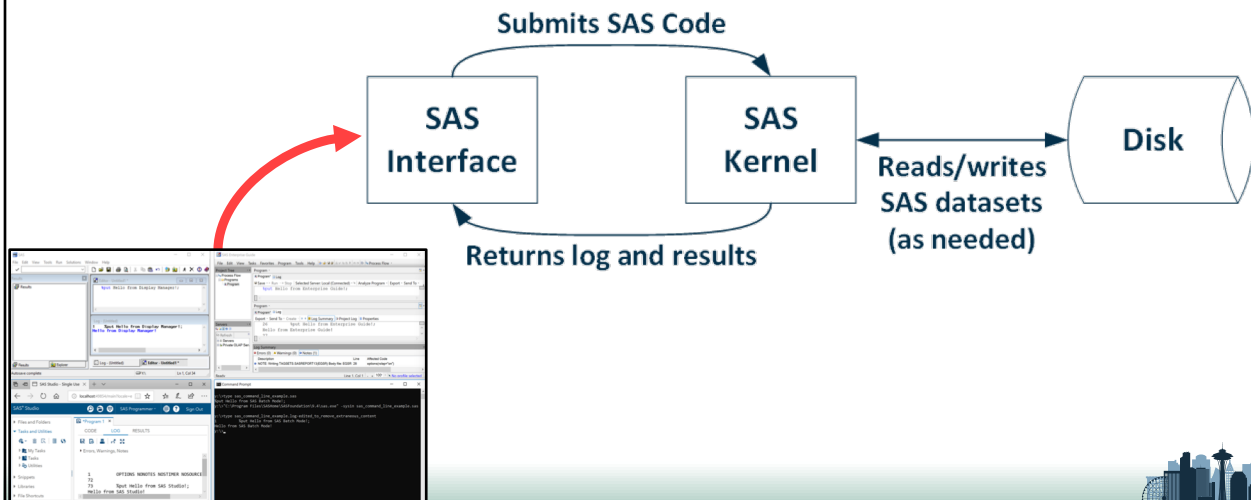
SAS System V9 Interfaces



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



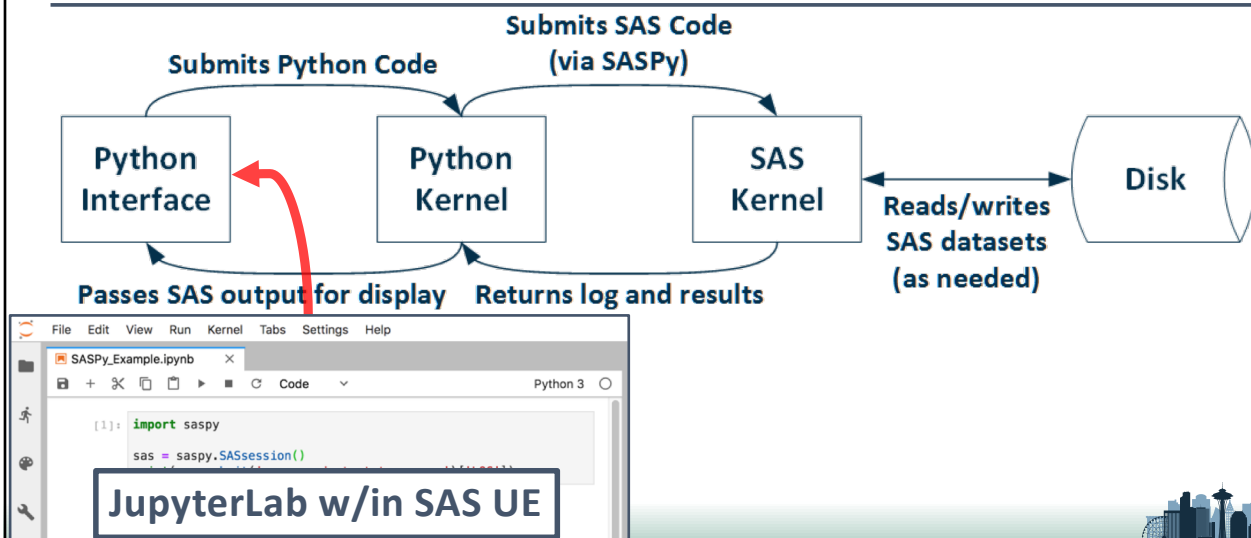
SAS System V9 Interfaces



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

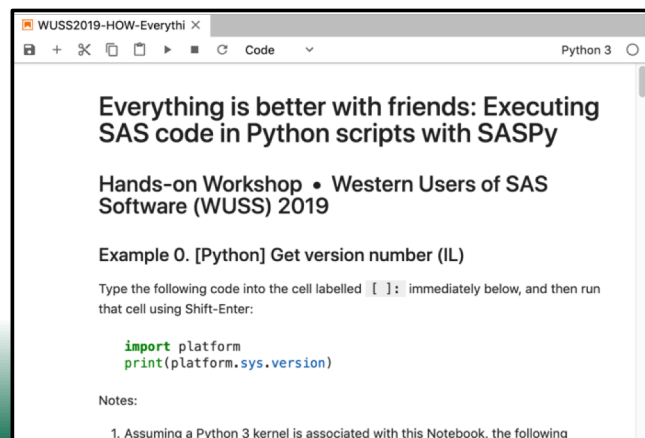
Examples 6-10

- ▶ SASPy "round trip"
- ▶ Convenience Methods

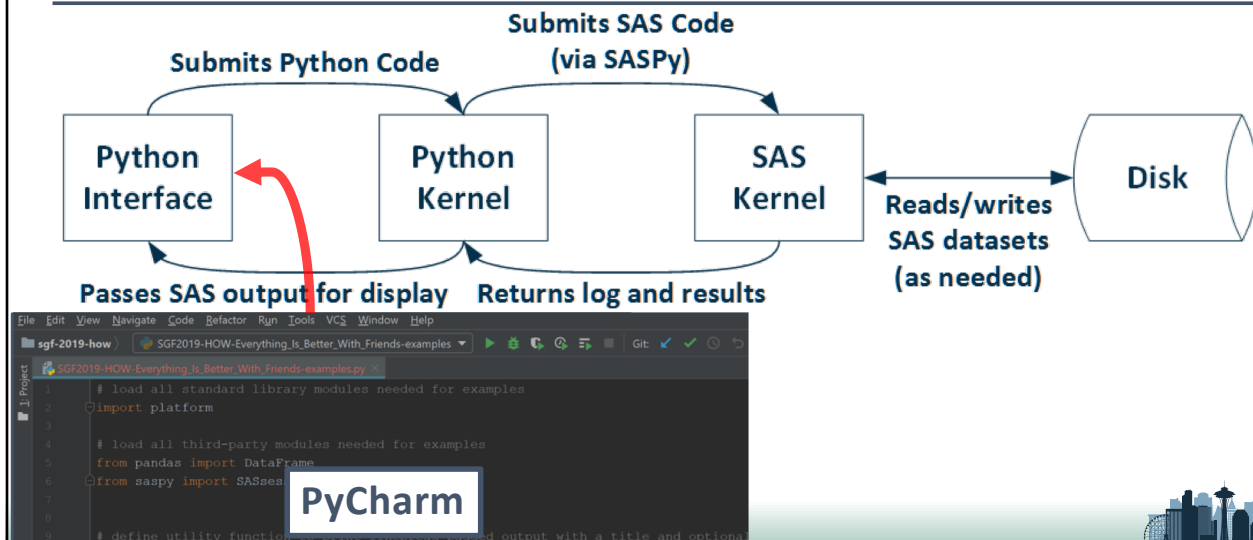
Extra Credit

- ▶ 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 our "Development Sprint" **tomorrow** in the Grand VII Ballroom beginning at **1:30 p.m.**

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

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

