Half-Day Class • 4 September 2019 • 8:00 to 11:30

WESTERN USERS of SAS SOFTWARE

SEPTEMBER 4-6, 2019



Everything is better with friends

Executing SAS code in Python scripts with SASPy, and turbocharging your SAS programming with open-source tooling

Isaiah Lankham

University of California Office of the President Oakland, CA

Class files: https://github.com/saspy-bffs

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Overview

Agenda

- check software setup and form groups
- work through SASPy code vignettes
- explore applications development options

Goal

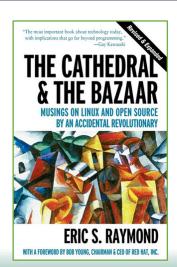
 practice the steps pandas needed to build and publish Free/Libre and **Open Source** Software (FLOSS) to GitHub

NumPy 🦺 python"

Why FLOSS?

Richard Stallman's Four Freedoms

- run it as you wish
- study how it works;
 change it as you wish
- redistribute copies
- distribute copies of modified versions



Given enough eyeballs, all bugs are shallow.

Linus's Law



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Presenting: The Best of Both Worlds...

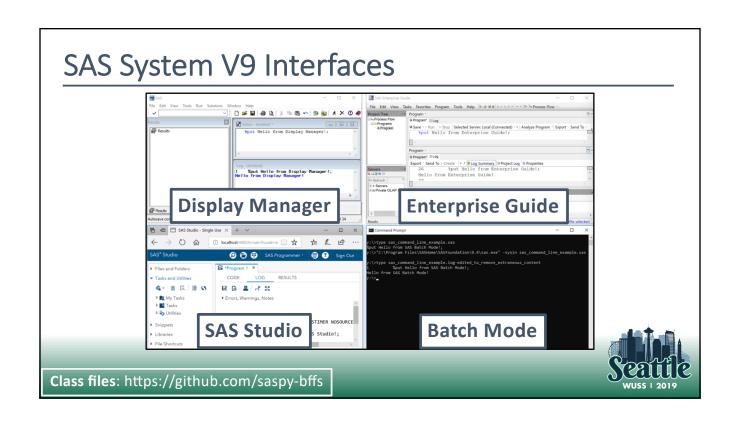


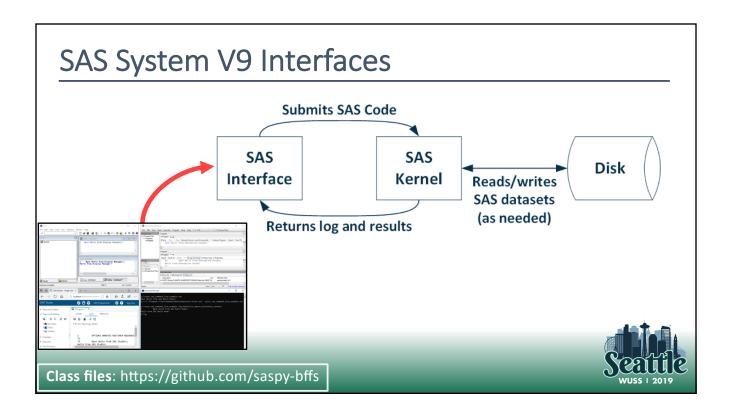
<u>Strengths</u> <u>Strengths</u>

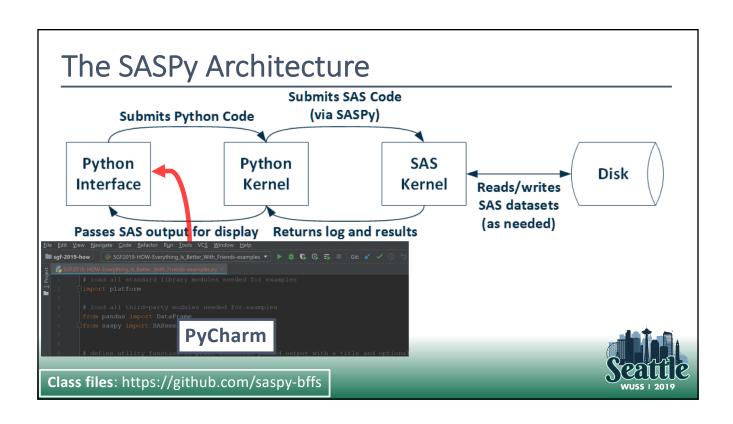
Data Analysis Scripting
Data Management Web Dev

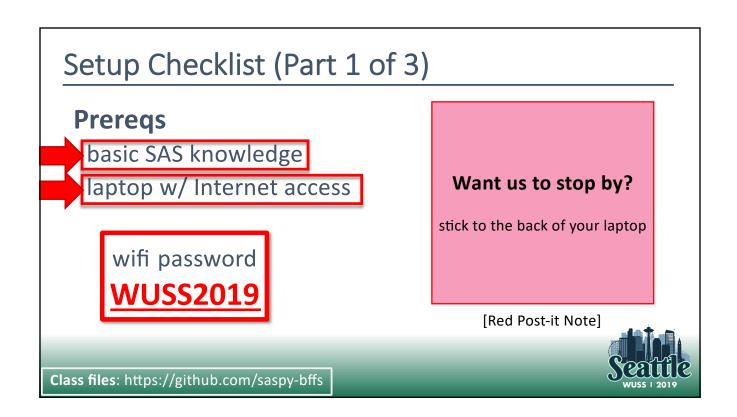
Statistics FLOSS Community

Sentie Wuss 1 2019









Setup Checklist (Part 2 of 3)

Software

Java SE

Python 3.7

PyCharm

SAS 9.4

Don't have it installed?

write the name of a <u>single</u> software program <u>not</u> installed on your laptop

stick to the back of your laptop

[Orange Post-it Note]



Class files: https://github.com/saspy-bffs

Setup Checklist (Part 3 of 3)

Tooling & Files

GitHub account

Gitter access

local clone of class repo

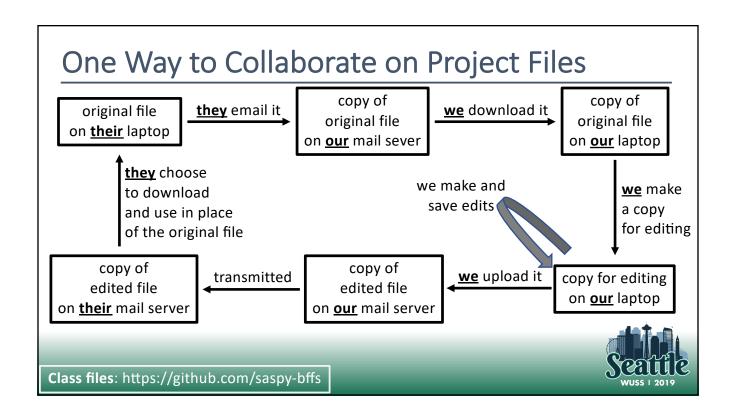
SASPy config file

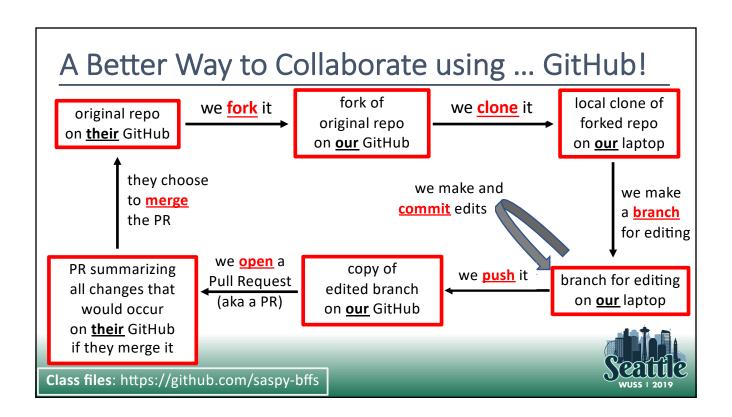
Want us to stop by?

stick to the back of your laptop

[Red Post-it Note]







Now Working on Exercise Files

Want us to stop by?

stick to the back of your laptop

[Red Post-it Note]

Ready to move on?

stick to the back of your laptop

[Green Post-it Note]

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Now in Open Lab Time

Want us to stop by?

stick to the back of your laptop

[Red Post-it Note]

Ready to wrap up?

stick to the back of your laptop

[Green Post-it Note]

Call to Action!

During WUSS

- Weep in touch via Gitter
- **The Complete our Survey**
- in <u>Bellevue I</u> at <u>8:30 a.m.</u>
- Attend FLOSS talks <u>Thur</u> in the <u>West Seattle Room</u> beginning at <u>1:30 p.m.</u>

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After WUSS

- Replicate Class using repo
- Attend our "Development Sprint" <u>Fri</u> in the <u>Grand VII</u> Ballroom at <u>1:30 p.m.</u>
- Make GitHub a better place with your code!

