Presenting: The Best of Both Worlds...

SAS + python = SASpy ❤️

Strengths	**Strengths**	**SAS + Python**
Data Analysis	Scripting	A Python
Data Management	Web Dev	interface for
Statistics	Open Source	the SAS System

Code Vignettes

Theme: Comparing Common Data Science Tasks in SAS and Python

Section 1. Python basics
- Modules and Imports
- Syntax and Object Types (`str`, `list`, `dict`, and `DataFrame`)

Section 2. Data round trip
- Establish SAS Sessions
- Manipulate SAS datasets

Section 3. `sasdata` method
- Interact directly with SAS Sessions and datasets
- Use Python to learn SAS

Section 4. SASPy scripting
- Use Python to imitate the SAS Macro Facility

Python in Google Colab + SAS ODA = BFFs

Submit SAS Code (via SASPy)

SAS OnDemand for Academics +
(disk space for SAS datasets)

Google colab

python + pandas + jupyterlab + Google Drive

DataFrames
Dev. Env.
Notebook Storage

Return SAS log and results