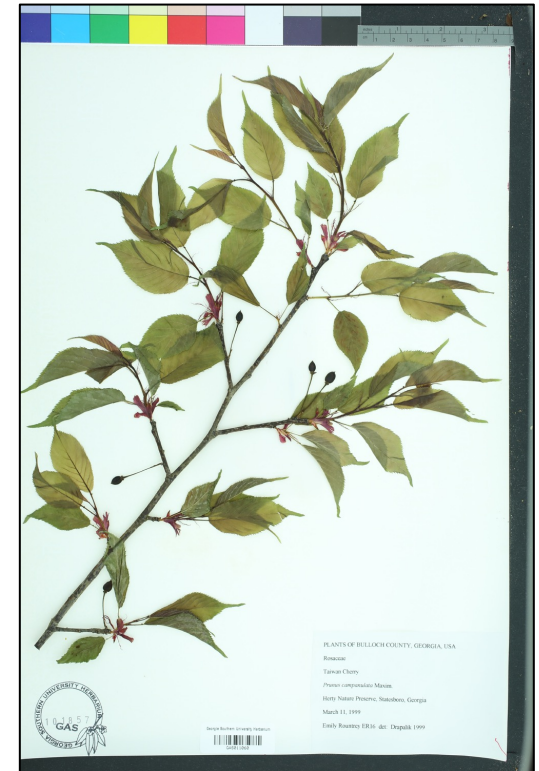


Using deep learning with digitized herbarium specimen image data



Botany 2022 Anchorage





Background



- We first presented this workshop last year virtually for ~50 attendees
- First time this is a in-person workshop
- Please keep in mind the code of conduct
- Pacing / Scheduling



Schedule



Time in AKDT

[9:00](#) - [9:15](#)

[9:20](#) - [9:50](#)

[10:00](#) - [10:50](#)

[11:00](#) - [11:50](#)

[1:30](#) - [2:20](#)

[2:30](#) - [3:00](#)

[3:10](#) - [4:00](#)

Topic

Introduction

[Module 1:](#) Case studies illustrating how researchers are using deep learning (presenter: Pam Soltis)

10 MINUTE BREAK

[Module 2:](#) Introduction to python, jupyter notebooks, and google colab (presenter: Sundre Winslow)

10 MINUTE BREAK

[Module 3:](#) Acquiring and manipulating digitized herbarium images (presenter: Richie Hodel)

LUNCH

[Module 4:](#) Data processing and manipulation options (presenter: Stefano Fochesatto)

10 MINUTE BREAK

[Module 5:](#) Creating annotated datasets and How to train an object classifier (presenter: Will Weaver)

10 MINUTE BREAK

[Module 6:](#) Model training and validation (presenter: Richie Hodel)



Introductions



Presenters:

- Sundre Winslow
- Pam Soltis
- Stefano Fochesatto
- Will Weaver
- Richie Hodel

Attendees

Share:

- Institution
- Something you hope to learn
- Favorite summer outdoor activity
- Anything else you want to share!



Resources



- https://github.com/richiehodel/Botany2022_DLworkshop
- https://etherpad.wikimedia.org/p/Botany2022_DLworkshop
- https://botanyconference.org/file.php?file=SiteAssets/2022_code_of_conduct.pdf
- <https://colab.research.google.com/github/>