Fridays Hands-On Workshop Series

A free online workshop series on data management and analysis in Plant Phenomics

- **What will the workshops provide?** Short introduction and practice with open-source tools in Phenomics

- **When:** Starting from September 18th, 2020; every Friday at 10 AM (CDT)

- **Main outcome:** Build a broad network of experts and beginners, where users can easily connect and share knowledge, tools, and discoveries ("*PhenomeForce*").

Organizers:
Filipe Matias, University of Wisconsin, Madison, **fmatias@wisc.edu**
Annarita Marrano, University of Massachusetts, Boston, **annarita.marrano@umb.edu**

Support:

North American Plant Phenotyping Network NAPPN

MIDWEST BIG DATA HUB

PhenomeForce: https://phenome-force.github.io/PhenomeForce/

Filipe Matias

Annarita Marrano

Phenome Force

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September 18th, 2020

10 AM (CDT)

Workshop:

FIELDimageR pipeline: Image analyses applied to plant breeding

Dr. Filipe Matias

University of Wisconsin-Madison

fmatias@wisc.edu

Registration Link:

https://forms.gle/keFxzq5EP33xsvRm7

Speakers	Agenda	Workshop
Filipe Matias	18-Sep	FIELDimageR pipeline: Image analyses applied to plant breeding
Mitchell Feldmann	25-Sep	Quantizing and Quantifying Fruit and Leaf Shape in the Latent Space Using R
Chenyong Miao	2-Oct	Conducting semantic segmentation on plant hyperspectral images using Python scikit-learn machine learning library.
Ana Maria Heilman, Salvador Gezan, Johan Aparicio, Didier Murillo	9-Oct	Coming soon …
India Johnson	16-Oct	Getting Started with WebODM: An Open-Source Solution to Your Mapping Problems
Malia Gehan, Haley Schuhl, Noah Fahlgren	23-Oct	An introduction to image analysis workflows with PlantCV
Henri Chung	30-Oct	Introduction to Tidymodels
Yufeng Ge	6-Nov	Leaf-level hyperspectral reflectance to rapidly estimate plant chemical traits
Kelly Robbins & Nicolas Morales	13-Nov	Getting started with ImageBreed: Managing and storing drone imagery