Digital Agriculture Calendar Spring 2019

Month	Monday	Tuesday	Month	Tuesday	Wednesday
January	(14) Intro-Syllabus	(15) Beyond Excell-Vlab	March	(11) NN Implement	(12) ML Overview
	(21) R-Python	(22) Cloud Sharing		(18) Image Basics	(19) Image Basics
	(28) Files	(29) SQL Intro		(25) Image Analysis	(26) Image Analysis
February	(4) SQL Advanced	(5) ArcGis Intro	April	(1) Sensors HW10	(2) Time Series
	(11) ArcGis Advanced	(12) Overview Databases		(8) Statistics HW11	(9) Modeling
	(18) Intro to ML	(19) Basic Tools		(15) Spring Break	(16) Spring Break
	(25) SVM's	(26) NN intro		(22) Project Presentations	(23) Project Presentations
March	(4) Marti Gra!	(5) Marti Gra!		Classes End	

 Databases: Beyond Excell: R, Python, SAS, ArcGis, Matlab Cloud Sharing: OneDrive, GoogleDrive, DropBox, Gitlab, GitHub, Multiple Collaborators Filetypes: Common file types, Structure protocols, Conforming SQL: Installing, Basic Operations ArcGis: Installing, Basic Operations 	 Basic Machine Learning tools: ML Introduction Basic Tools: Decision Trees, Random Forests Support Vector Machines: Intro, Implementation Neural Networks: Intro, Implementation Ensemble Techniques: Model Selection, Algorithms
 Image Analysis: Image basics: Capturing, transfer, storage, pre-processing, compression, synthesis and security Image analysis: ImageJ, ArcGis,OpenCV,Imager 	 Data Analysis: Sensors: Time series analysis Statistics for Machine Learning Multi-linear Models Synthesis and Hypothesis testing on databases