Digital Agriculture Calendar Spring 2020

Month	Monday	Tuesday	Month	Tuesday	Wednesday
January	(13) Intro-Syllabus	(14) Beyond Excel - Vlab	March	(17) NN Implement HW7 Due	(18) Model Selection
	(20) MLK Day	(21) R HW1 Due		(23) Spring Break	(24) Spring Break
	(27) Databases –SQL HW2 Due	(29) Databases -SQL		(30) Image basics HW8 Due	(31) Imager
February	(3) No Class Conference	(4) No Class Conference	April	(6) OpenCV HW9 Due	(7) Image Analysis
	(10) ArcGIS- QGIS HW3 Due	(12) ArcGIS- QGIS		(13) Time series HW10 Due	(14) Time series
	(17) Python HW4 Due	(18) Python-ML Intro		(20) Statistics for ML	(21) Statistics for ML
	(24) Mardi Gra	(25) Mardi Gra		(27) Project Presentations	(28) Project Presentations
March	(2) Basic Tools HW5 Due	(3) SVM Implement		Classes End	
	(10) SVM Implement HW6 Due	(11) NN Implement			
 Databases: Beyond Excell: R, JMPpro, ArcGis, QGIS Cloud Sharing: OneDrive, GoogleDrive, DropBox, Gitlab, GitHub, Multiple Collaborators Filetypes: Common file types, Structure protocols, Conforming SQL: Installing, Basic Operations GIS: Installing, Basic Operations 			 Basic Machine Learning tools: ML Introduction: Python 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: OpenCV, Imager 			 Data Analysis: Sensors: Time series analysis Statistics for Machine Learning Synthesis and Hypothesis testing on databases 		