Digital Agriculture Calendar 2018

Month	Tuesday	Wednesday	Month	Tuesday	Wednesday
August	(21) Intro-Syllabus	(22) Beyond Excell-Vlab	October	(16) NN Implement HW7	(17) ML Overview
	(28) R-Python HW1	(29) Cloud Sharing		(23) Drones Intro HW8	(24) Image Basics
September	(4) Files HW2	(5) SQL Intro		(30) Image Basics HW9	(31) Image Analysis
	(11) SQL Advanced HW3	(12) ArcGis Intro	November	(6) Sensors HW10	(7) Time Series
	(18) ArcGis Advanced HW4	(19) Overview Databases		(13) Statistics HW11	(14) Modeling
	(25) Intro to ML HW5	(26) Basic Tools		(20) HT for Databases HW12	(21) OFF
October	(2) SVM's HW6	(3) NN intro		(27) Project Presentations	(28) Project Presentations

 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 and Drones: Technical Characteristics: Flight protocols, Acquiring, Legislation Image basics: Capturing, transfer, storage, pre-processing, compression, synthesis and security Image analysis: Matlab, ImageJ, ArcGis 	 Data Analysis: Sensors: Time series analysis Statistics for Machine Learning Multi-linear Models Synthesis and Hypothesis testing on databases