	Monday	Tuesday	Wednesday	Thursday	Friday
Wk	Orientation	Foundations	AI + Ethics	AI + Medicine	AI + Business + Robots
Mk 1 AM	Orientation	Foundations ➤ Consciousness Theory - On Intelligence w Jeff Hawkins - Hard problem of consciousness Video w David Chalmers - David Chalmers Consciousness paper - Standford Encylcopedia Consciousness ➤ Intelligence Theory - Intelligence Overview w Deary - On measure of Intelligence - Chollett - A Thousand Brains – Jeff Hawkins ➤ Network Neuroscience Theory - Neuroscience Differences	AI + Ethics ➤ Ethical Paradigms - Hitchhiker's Overview - Right, Good, Just (Locke, Hume) - Theory Summary ➤ The Alan Turing Institute – AI Ethics - Facebook Social Responsiblity - Timnet Gebru, Google - Algorithmic Ethics in ML w Michael Kearns ➤ Bias Fundamentals ➤ Algorithm Bias ➤ Chatbot bias (MIT)	Al in Medicine Medicine's Future w Al Guest Speak Case Study / Guest Speaker: Covid Vaccine Discovery. Al was a key part of COVID vaccine research and research into effective existing drugs or repurposing drugs. One source that many research uses for drug-related datasets is	➤ Ethical Paradigms - Mechanic Turking ➤ The Business future of Al - Boston Dynamics Dancing Robots
		➤ Exercise: ML w Random Forest - rF Classic approach overview	➤ Exercise: Graphing	➤ Exercise: Feature Engineering	➤ Exercise: Geocodes
Wk	Frameworks	Foundations	AI + Ethics	AI + Medicine	AI + Survellience
1 PM	 ➤ What is AI and ML Overview? - Basic Concepts - MIT ML Overview - Understanding ML Textbook ➤ Importance Vectors - Personal Vectors - Societal Vectors (IBM) 	 ➢ Al Fundamentals Review Brookings Institute Al Overview Hitchhikers Al Guide ➢ Machine Learning Tools Algorithms Machine Learning Project Workflow 	➤ Bias structure ➤ Neural Networks 101 - Neural Net Interactive - Neural Networks Theory - Neural Networks Images	➤ Al in Medicine - Covid-19 - Al drug discovery - Al Mental Health	➤ Surveillance
	- Existential Impacts (Elon Musk)	➤ Manual ML Walkthrough w NASA Helicopter Exercise	MyAnalysis: Accuracy	>MyAnalysis: DrugData	➤ MyAnalysis: Weekly Recap ➤ Data Set: Facial Data
	➤ MyAnalysis: Frameworks	➤ MyAnalysis: Confusion Matrix	➤ Data Set: Image MNIST ➤ Exercise: TensorFlow Image	➤ Data Set: <u>Drug datasets</u> ➤ Exercise: Drug Discovery	> Exercise: Facial Recognition
	Exercise: Exploring Data	➤ Exercise: TensorFlow Image Classification Basics with Confusion Matrix	Classification with Convolutions	,	