	Monday	Tuesday	Wednesday	Thursday	Friday
Wk	Orientation	Foundations	AI + Ethics	AI + Medicine	AI + Business + Robots
Wk 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 Exercise: ML w Random Forest Classic approach	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) > Exercise: Graphing	AI + Medicine > AI in Medicine > Medicine's Future w AI > Guest Speak Case Study / Guest Speaker: Covid Vaccine Discovery. AI 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 > Exercise: Feature Engineering	Al + Business + Robots ➤ Ethical Paradigms - Mechanic Turking - Boston Dynamics Dancing Robots ➤ The Business future of Al ➤ 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	 ➢ AI Fundamentals Review Brookings Institute AI Overview Hitchhikers AI Guide ➢ Machine Learning Tools Algorithms Machine Learning Project Workflow ➢ Manual ML Walkthrough w NASA Helicopter Exercise ➢ MyAnalysis: Confusion Matrix ➢ Exercise: TensorFlow Image Classification Basics with Confusion Matrix 	 ➢ Bias structure and Al penetration ➢ Neural Networks 101 ← Neural Net Interactive ← Neural Networks Theory ← Neural Networks Images ➢ MyAnalysis: Accuracy ➢ Data Set: Image MNIST ➢ Exercise: TensorFlow Image Classification with Convolutions 	 ➤ Al in Medicine Covid-19 Al drug discovery Al Mental Health ➤ MyAnalysis: DrugData ➤ Data Set: Drug datasets ➤ Exercise: Drug Discovery 	> Surveillance > MyAnalysis: Weekly Recap > Data Set: Facial Data > Exercise: Facial Recognition