	Monday	Tuesday	Wednesday	Thursday	Friday
Wk	Orientation	Foundations	AI + Ethics	AI + Medicine	AI + Business + Robots
1					
AM		Consciousness Theory	> Ethical Paradigms	Al in Medicine	➤ Ethical Paradigms
		- On Intelligence w Jeff Hawkins	- <u>Hitchhiker's Overview</u>	➤ Medicine's Future w Al	- Mechanic Turking
		- <u>Hard problem of consciousness</u> Video w David Chalmers	- Right, Good, Just (Locke, Hume)	➤ Guest Speak Case Study / Guest	
		- David Chalmers Consciousness	- Theory Summary	Speaker: Covid Vaccine	➤ The Business future of Al
		paper	- <u>Intedry Summary</u>	Discovery. Al was a key	- Boston Dynamics Dancing
		- Stanford Encyclopedia	➤ The Alan Turing Institute – AI	part of <u>COVID vaccine</u>	Robots
		<u>Consciousness</u>	Ethics	research and research into	1100013
		<u> </u>	- Facebook Social Responsibility	effective existing drugs or	
		➤Intelligence Theory	- Timnet Gebru, Google	repurposing drugs. One	
		- Intelligence Overview w Deary	- Algorithmic Ethics in ML w	source that many research	
		- On measure of Intelligence -	Michael Kearns	uses for drug-related	
		<u>Chollett</u>		datasets is	
		- A Thousand Brains – Jeff Hawkins	➤ Bias Fundamentals		
		► <u>Network Neuroscience Theory</u>	➤ Algorithm <u>Bias</u>		
		- <u>Neuroscience Differences</u>	► Chatbot bias (MIT)		
		Exercise: ML w Random Forest	➤ Exercise: Graphing	➤ Exercise: Feature	➤ Exercise: Geocodes
		- rF Classic approach overview	Exercise. Graphing	Engineering	Exercise. <u>Geocodes</u>
		- IF Classic approach overview		Liigiiieeriiig	
Wk	Frameworks	Foundations	AI + Ethics	AI + Medicine	AI + Surveillance
1	➤ What is AI and ML Overview?	➤ AI Fundamentals Review	➤ Bias structure	➤ AI in Medicine	➤ Surveillance
PM	- Basic Concepts	- Brookings Institute AI Overview		- Covid-19	
	- MIT ML Overview	- <u>Hitchhikers Al Guide</u>	➤ Neural Networks 101	- Al drug discovery	
	- Understanding ML Textbook		- Neural Net Interactive	- Al Mental Health	
		➤ Machine Learning Tools	- Neural Networks Theory		
	➤ Importance Vectors	- <u>Algorithms</u>	- Neural Networks Images		
	- <u>Personal Vectors</u>	- Machine Learning Project Workflow			
	- <u>Societal Vectors</u> (IBM)	➤ Manual ML Walkthrough w NASA			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	- Existential Impacts (Elon Musk)	Helicopter Exercise	➤ MyAnalysis: Accuracy	➤ MyAnalysis: Drug Data	➤ MyAnalysis: Weekly Recap
		Helicopter Exercise	➤ Data Set: Image MNIST	➤ Data Set: Drug datasets	➤ Data Set: Facial Data
	MyAnalysis: Frameworks	➤ MyAnalysis: Confusion Matrix	Data Set. Image Minist	Plata Set. <u>Drug datasets</u>	Podla Set. Facial Data
	7 WIYAHAIYSIS. HAIHEWOIKS	<u> </u>	► Exercise: TensorFlow Image	➤ Exercise: Drug Discovery	➤ Exercise: Facial Recognition
	> Exercise: Exploring Data	➤ Exercise: TensorFlow Image	Classification with	- Lacroise. Drug Discovery	- Literater i delai necognition
		Classification Basics with	Convolutions		
		Confusion Matrix			

yllabus: 2-week intensive course on machine learning.
Week 1 – Foundations with walk through ML examples. Not all links populated on purpose. b.hogan@snhu.edu