ML Review Quiz: Big Recap

* Required

You were introduced to 3 different learning strate unsupervised learning, supervised learning, and r learning to one of the goals below:			
Mark only one oval per row.			
	unsupervised	supervised	reinforcem
Learn how to optimally behave in your environment			
Discover patterns in your data			
Predict Y from X			
This type of ML produces no right or v	•	out a human	has to
Predict Y from X This type of ML produces no right or vinterpret the results and make the besonark only one oval.	•	out a human	has to

	Unsupervised Learning	Superv	ised Learning		
Dimensionality Reduction					
Clustering					
Anomaly Detection					
Regression					
Classification					
Over- and Underfitting ³ A model's performance on new has a high bias) or overfitting (data points can be bad for t		s: underfitting (= the model	2 μ
A model's performance on new	data points can be bad for t		s: underfitting (= the model	2
A model's performance on new has a high bias) or overfitting (data points can be bad for to - high variance). Which is wh		s: underfitting ([.] overfitting	= the model	21
A model's performance on new has a high bias) or overfitting (data points can be bad for to high variance). Which is who undended on the data it nance is close to	iich?		= the model	2;

5 points

The main ML types also have subcategories... *

3.

5.	Data vs. Concept Drift *				2 points	
	We want to predict the price of a house from its size. Which of the scenarios results in either a data or a concept drift? Remember: Data Drift is when the input distribution changes, Concept Drift is when the input/output relation changes.					
	Mark only one oval per row.					
	Da	ta Drift	Concept Drift			
	Due to inflation, the same size house now costs 20% more than 5 years ago.					
	On average, people built larger houses in 2020 than in 2010.					
6.	Machine learning is an "iterative" process, meaning that an AI team ofton has to try many ideas before arriving at a solution that's good enough, rather than have the first thing they try work. *					
	Mark only one oval.					
	True					
	False					
7.	Which of these are reasons that it's often unresystem to be 100% accurate? *	ealistic	to expect an MI	-	1 point	
	Mark only one oval.					
	You might not have enough data					
	Data can be mislabeled					
	Data can be ambiguous					
	All of the above					

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