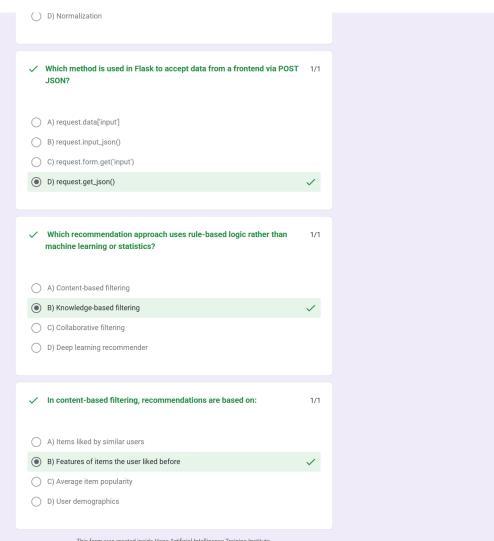
## 2.Advanced ML (Week 8.1 to 10) - Set -2 Total points 15/15 Email \* venkadesh5990@gmail.com ✓ What is the correct route decorator for handling GET requests in Flask? 1/1 A) @app.get('/endpoint') B) @app.route('/endpoint', methods=['GET']) C) @app.url('/endpoint', method='get') D) @flask.route('/endpoint', 'GET') $\checkmark$ Which of the following is a disadvantage of content-based 1/1 recommendation systems? A) Cold start for new users B) Cold start for new items C) Dependency on metadata O) Lack of scalability $\checkmark \;\;$ Which type of recommender system is more prone to the "popularity 1/1 A) Content-based filtering B) Collaborative filtering O Knowledge-based filtering O) Context-aware filtering ✓ What is the goal of feature selection in machine learning? 1/1 A) To select features with the highest variance O B) To increase the number of features C) To remove redundant and irrelevant data O) To increase dimensionality ✓ Which metric is NOT commonly used to evaluate recommendation systems? A) Precision B) Recall C) RMSE D) F1 Score ✓ In collaborative filtering, similarity between users or items is often calculated using: A) Cosine similarity

$\circ$	B) Euclidean distance	
0	C) Jaccard similarity	
•	D) All of the above	<b>✓</b>
~	The main drawback of using wrapper methods for feature selection is:	1/1
$\circ$	A) They are inaccurate	
$\bigcirc$	B) They require data scaling	
•	C) They are computationally expensive	<b>✓</b>
0	D) They don't work on categorical data	
~	Which unsupervised technique is commonly used to reduce dimensionality but not considered feature selection?	1/1
•	A) PCA	~
$\circ$	B) RFE	
$\circ$	C) Chi-Square	
0	D) Lasso	
~	Which of the following methods selects features by evaluating the impact of each on a model's accuracy?	*1/1
$\bigcirc$	A) Variance Threshold	
<ul><li>•</li></ul>	B) Recursive Feature Elimination	<b>~</b>
0	C) Pearson Correlation	
0	D) Mutual Information	
~	In a recommendation system, what does "implicit feedback" mean?	1/1
0	A) Numerical product rating	
•	B) Clicks, views, and purchase history	<b>✓</b>
0	C) User surveys	
0	D) Item description	
<b>~</b>	The difference between dimensionality reduction and feature selection	is: 1/1
•	A) Dimensionality reduction creates new features; feature selection selects existing ones	<b>✓</b>
0	B) Feature selection creates new features	
$\circ$	C) Both are the same	
0	D) Feature selection cannot be used for model training	
~	Which technique ranks features based on how useful they are for predicting the target variable?	1/1
$\bigcirc$	A) PCA	
0	B) Feature Scaling	
•	C) Feature Importance (from trees)	~



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