	3 high-dim manifold: 1 dim = 784
Which of the following data characteristics does NOT contribute to increased risk of	Consider the manifold of digit images that lies within the space of all 28x28 pixel images with
overfitting?	pixel values in the integers 0 through 255. What does the "manifold hypothesis" say in this
Noisy features V	particular case? So the dim of this subspace: < 784 The dimension of the manifold of digit images will be much smaller compared to 784
Too few data points \(\square\)	The dimension of the manifold of digit images will be much larger compared to 784
Rare feature values	The dimension of the manifold of digit images will be much smaller compared to 255
Lying on a low-dimensional manifold hypoth sis, 離斯 high- 如	The dimension of the manifold of digit images will be much larger compared to 255
manifold to lower-dim manifold to	
2.	4.
What does the "manifold hypothesis" say?	Let A and B be two 28 x 28 NumPy arrays representing the digits 2 and 6 respectively. Which NumPy expression will compute the manifold interpolation between A and B?
Naturally occurring data (images, audio, text, etc.) lies on a low-dimensional manifold	(2.6) (2. continuous mappine (184
within the high dimensional space in which it is encoded	(2+6)/2 continuous mapping(读有 simple expression
There are many types of data types where deep learning works well, e.g., images, audio, text, etc.	(A + B) / 2 2
Deep learning models form a low dimensional manifold in the space of all possible	-
models	np.sqrt(A * B)
There many different reasons why deep learning works well for images, audio, text, etc.	
	There is no simple NumPy expression for it
 5. How many times do you have to train deep learning models when doing 4-fold cross-validation? ○ 4 ○ 3 ○ 1 <l< th=""><th>In the MNIST experiment involving addition of 784 extra features, we made two choices: zero features and random noise features. Which choice led to more overfitting? zero features. 常识和 乐西 random noise features 会别错误的 即识。 both overfit to the same extent there was no clear evidence either way</th></l<>	In the MNIST experiment involving addition of 784 extra features, we made two choices: zero features and random noise features. Which choice led to more overfitting? zero features. 常识和 乐西 random noise features 会别错误的 即识。 both overfit to the same extent there was no clear evidence either way
б	8,
Mark 611 611 1 111 111 111 111 111 111 111	Which of the following is a key parameter related to minibatch stochastic gradient descent
Which of the following will NOT help with overfitting?	- that has a direct impact on overfitting? O number of epochs
Increasing model size	Epoth 1931 47 401 131
Decreasing model size 法小模型实施 于防止 Worlithing	
Early stopping	type of problem (classification versus regression)
Increasing training data \(\text{the training Laboret} \)	
The model generalization	
防止·被投端数据契约	

9.	CRAF iterate)
Wha	at happens, as training epochs proceed, if you choose a learning rate of zero?
0	Training loss will not go down
	Training loss will oscillate
	Validation loss will oscillate
	Validation loss will go up very quickly
10.	
Suppose a deep learning model had the last layer like this:	
laye	ers. Dense (1) no activation function; regression
What kind of problem is this network trying to solve?	
0	Regression problem
	Binary classification problem
	The code will yield an error because activation function was not specified
\bigcirc	Insufficient information to arrive at an answer