Congratulations! You passed!
TO PASS 80% or higher

Keep Learning

GRADE
100%

Regression

LATEST SUBMISSION GRADE
100%

1. Which figure represents an overfitted model? **1 / 1 point**

Correct

2. ***True or false:*** The model that best minimizes training error is the one that will perform best for the task of prediction on new data. **1 / 1 point**

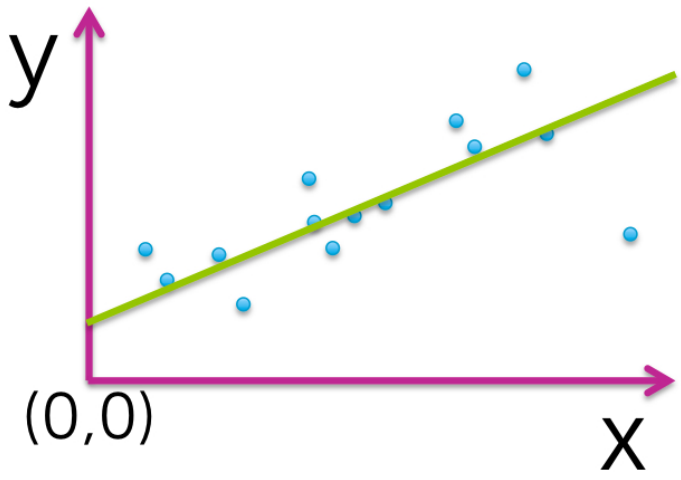
Correct

3. The following table illustrates the results of evaluating 4 models with different parameter choices on some data set. Which of the following models fits this data the best? **1 / 1 point**

Model index	Parameters (intercept, slope)	Residual sum of squares (RSS)
1	(0,1.4)	20.51
2	(3.1,1.4)	15.23
3	(2.7, 1.9)	13.67
4	(0, 2.3)	18.99

Correct

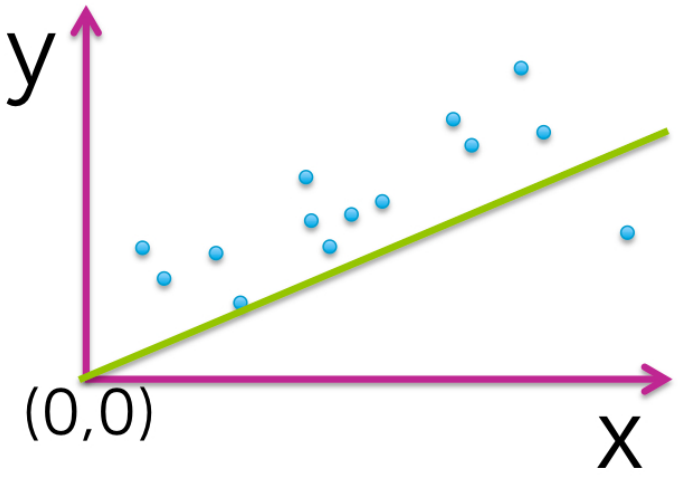
4. Assume we fit the following quadratic function: f(x) = w0+w1*x+w2*(x^2) to the dataset shown (blue circles). The fitted function is shown by the green curve in the picture below. Out of the 3 parameters of the fitted function (w0, w1, w2), which ones are estimated to be 0? *(Note: you must select all parameters estimated as 0 to get the question correct.)* **1 / 1 point**



Correct

5. Assume we fit the following quadratic function: f(x) = w0+w1*x+w2*(x^2) to the dataset shown (blue circles). The fitted function is shown by the green curve in the picture below. Out of the 3 parameters of the fitted function (w0, w1, w2), which ones are estimated to be 0? *(Note: you must select all parameters estimated as 0 to get the question correct.)*

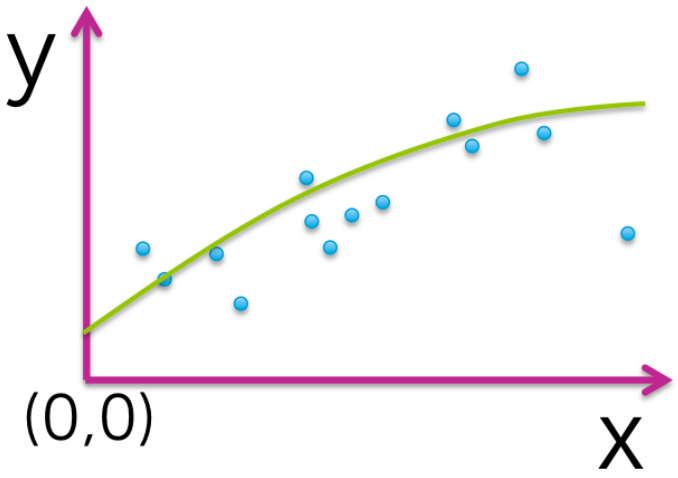
1 / 1 point



✓ Correct

6. Assume we fit the following quadratic function: f(x) = w0+w1*x+w2*(x^2) to the dataset shown (blue circles). The fitted function is shown by the green curve in the picture below. Out of the 3 parameters of the fitted function (w0, w1, w2), which ones are estimated to be 0? *(Note: you must select all parameters estimated as 0 to get the question correct.)*

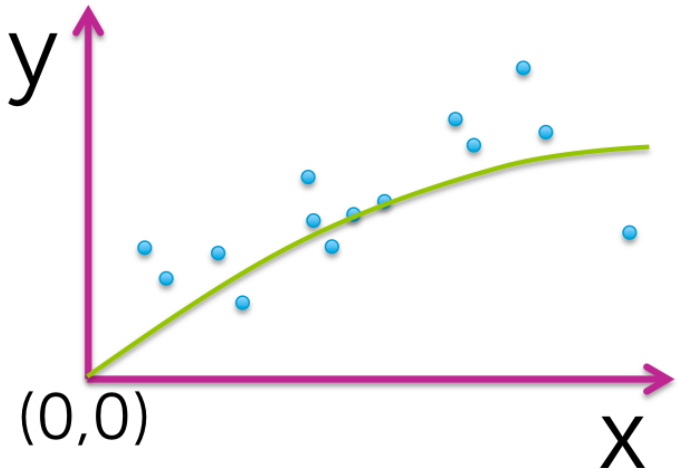
1 / 1 point



✓ Correct

7. Assume we fit the following quadratic function: f(x) = w0+w1*x+w2*(x^2) to the dataset shown (blue circles). The fitted function is shown by the green curve in the picture below. Out of the 3 parameters of the fitted function (w0, w1, w2), which ones are estimated to be 0? *(Note: you must select all parameters estimated as 0 to get the question correct.)*

1 / 1 point



Correct

8. Which of the following plots would you ***not*** expect to see as a plot of training and test error curves? 1 / 1 point

Correct

9. ***True or false:*** One always prefers to use a model with more features since it better captures the true underlying process. 1 / 1 point

Correct