# In-Class-3

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1. For the distribution of data shown in the graphs to the right, a and b, would you use linear or polynomial regression?

For Fig a – Polynomial Regression

For Fig b – Linear Regression

1. B0 = 0.2

B1 = 0.1

B2 = 0.05

x1 = Petal-length = 5.1

x2 = Petal-width = 1.8

Y = B0 + B1.x1 + B2.x2

= 0.2 + 0.1\*5.1 + 0.05\*1.8

= 0.2 + 0.51 + 0.09

= 0.8

= round (0.8)

= 1

Expected value of Variety of Iris = 1 = Iris-setosa