

Artificial Intelligence and Machine Learning Engineer

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This is a look at two sample problems in AI ML.

1 Basketball Probability Model

2 Anomaly Detection Model

This section will introduce techniques to determine an anomaly.

Below is a table of widths and heights (in pixels) belonging to different figures:

Width	Height
25	24
25	25
25	25
25	25
21	24
24	24
24	24
30	29
25	25
25	25
25	27
29	25
29	24
29	24
25	27
25	24
27	24
25	25
24	24
25	25
30	29
29	29
27	30
27	24
29	25
27	25
25	25
25	23
29	

Using a machine learning algorithm, can you determine if a figure with width 30 and height 22 is considered an anomaly in the above data set?

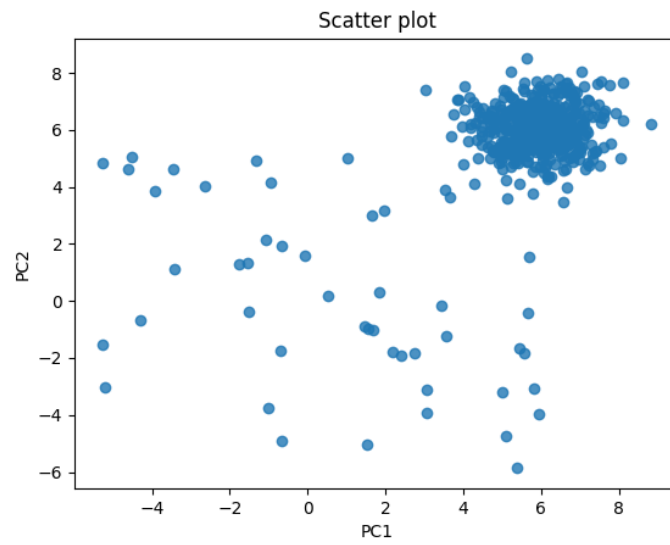


Figure 1: Take a look at the landscape.

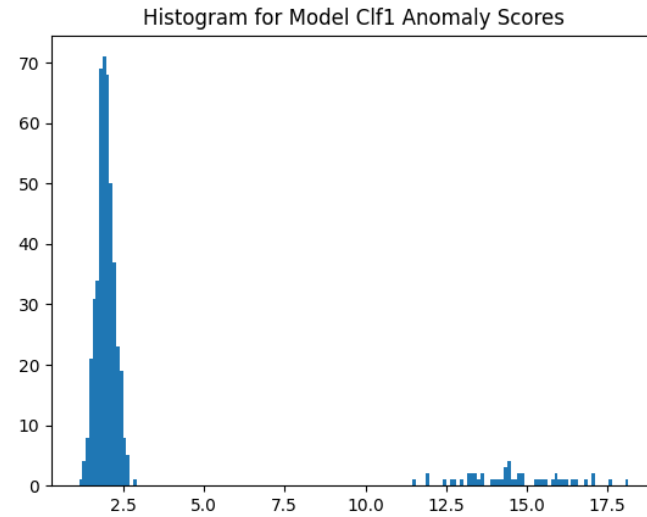


Figure 2: Iterative approach to developing artificial intelligence algorithm.

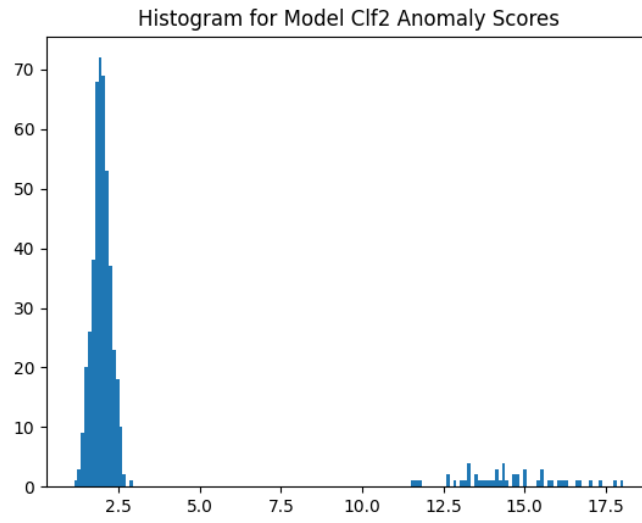


Figure 3: Iterative approach to developing artificial intelligence algorithm.

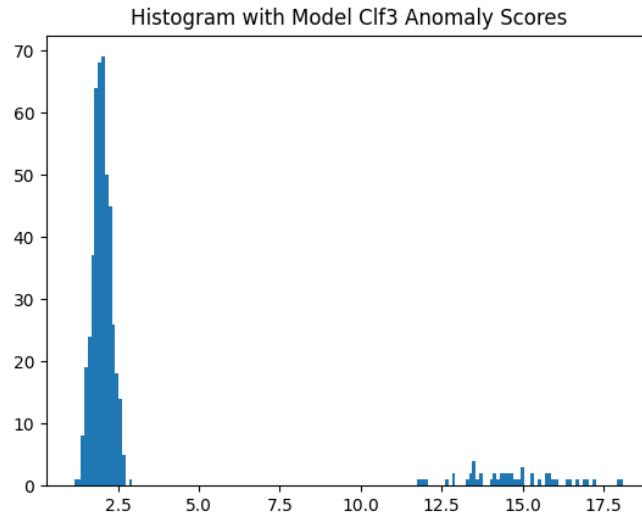


Figure 4: Iterative approach to developing artificial intelligence algorithm.