mcad means: $\mu_1 = 1$

$\mu_2 = 3$

$\mu_3 = 8$

$x = \{1, 2, 3, 3, 4, 5, 7, 10, 11, 13, 14, 15, 17, 10, 21\}$

x_1, x_2 closer to μ_1

$x_3) x_4) x_5) x_6) x_7$ closest to μ_2

x_8 closest to μ_3

μ_1 becomes 1.5 (average of 1,2)

μ_2 becomes 4 (average of 3,3,...,5)

μ_3 becomes 14.277 (average of 7,10,...,21)

Plain logistic regression

1-nearest neighbor

$x \rightarrow y = 1$
$o \rightarrow y = 0$

decision tree

Polynomial regression

decision tree

x_2

x_1

7

8