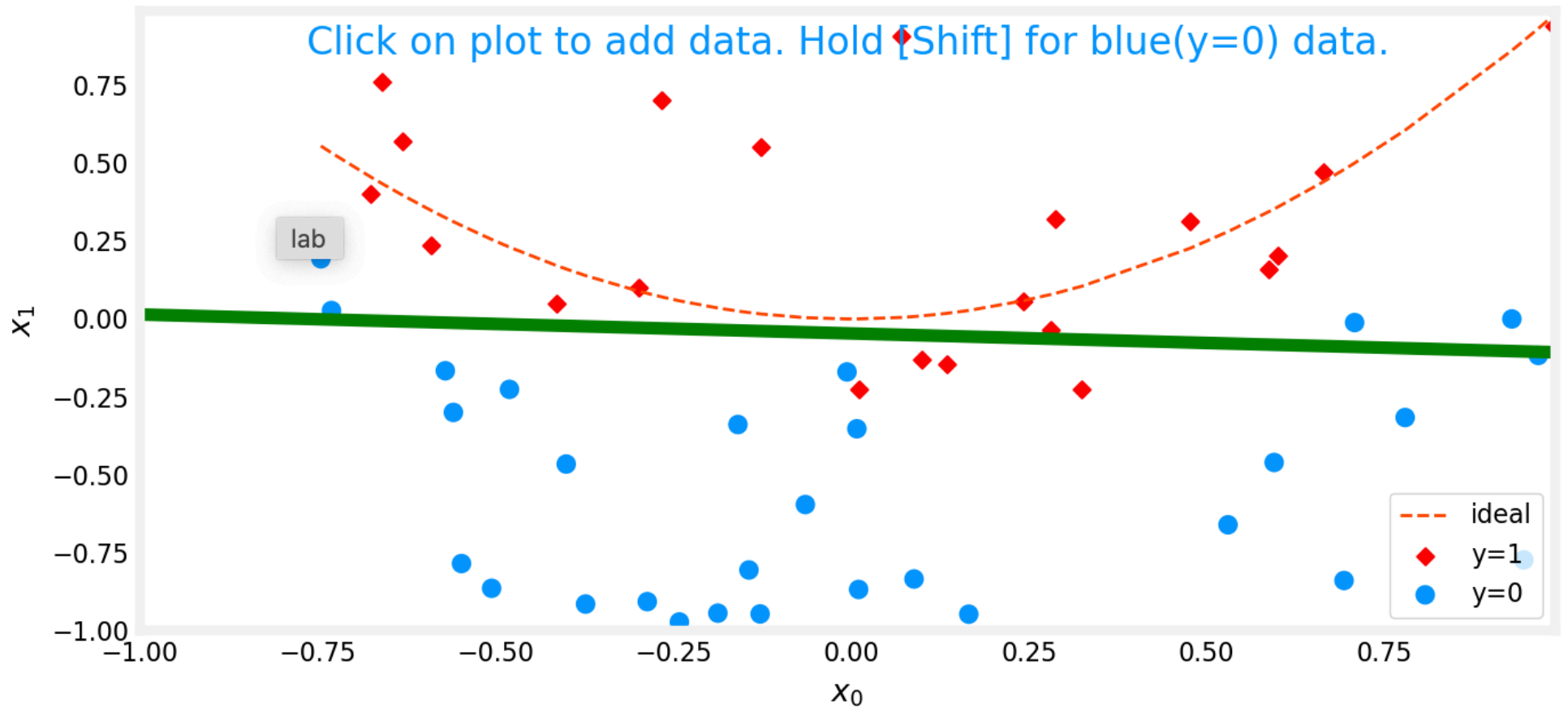


# OverFitting Example: Categorical data set with noise

Click on plot to add data. Hold [Shift] for blue(y=0) data.



$$f_{wb} = \text{sigmoid}(w_0x_0 + w_1x_1 + b)$$

Degree

- ☒ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6

fit data

- ☐ Regression
- ☒ Categorical

lambda( $\lambda$ )

- ☐ 0.0
- ☐ 0.2
- ☐ 0.4
- ☐ 0.6
- ☐ 0.8
- ☒ 1