Supervised Learning

Training Data

Model Training

$$f_i(\triangle) = \hat{y}$$
$$\mathcal{L}(y, \hat{y}) \to f_{i+1}$$

Learning algorithm

Model
Inference/Evaluation

$f(\triangle)$ = Triangle?

metric = 0.999

Final Model

$f(\triangle, \bullet, \blacksquare) = \{label\}$

Triangle   Circle   Square

Labels

Test Data