Regression Pipeline

Input Features X (e.g., house size, location, age)

Model $f(x; \theta)$

Learns continuous mapping

$\hat{y} \in \mathbb{R}$

Output Continuous Value $\hat{y}$

Price = $425,000 Temperature = 23.5°C Age = 34.2 years

Key Difference from Classification Output is a continuous number, not a discrete class