

Why Rules Fail and Learning Works

Traditional Programming

IF-THEN Rules:

IF has_triangle_top THEN maybe_A

IF has_horizontal_bar THEN maybe_A

IF two_diagonal_lines THEN maybe_A

IF all_conditions THEN is_A

...

But what about cursive?

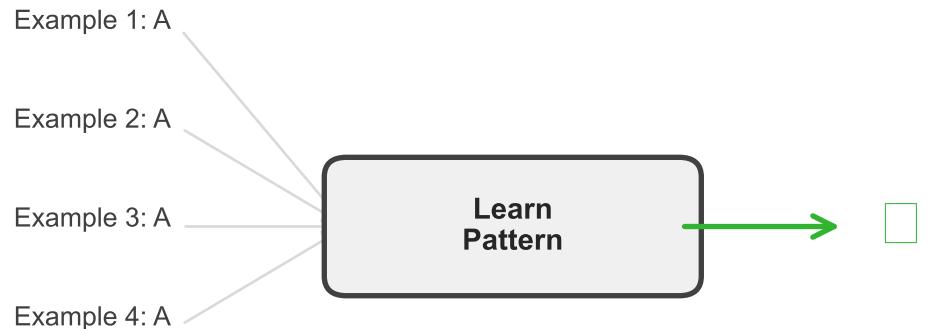
What about rotated?

What about stylized?

Impossible to cover all cases!

Machine Learning

Learning from Examples:



Handles any variation!