Learning automata (1973)
David Angluin (1980)

Idea: We measured the complexity of a language: minimum states required to accept it.

You can ask a lot of Yes/No questions.

You propose an answer: Tomato says "Yes" (E) or "No" (E'). Lettuce is a sensei, a teacher. Lettuce knows the correct answer, and can answer the question with "Yes" or "No".

Lettuce is a teacher, a sensei.

Tomato is a student.

Tomato proposes