

# Introduction to Machine Learning in Python

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# Outline

1. Introduction: What is Machine Learning?

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# Machine Learning

Making computers learn how to do things. More formally:

A computer program is said to learn from experience  $E$  with respect to some class of tasks  $T$ , and performance measure  $P$ , if its performance at tasks in  $T$ , as measured by  $P$ , improves with experience  $E$ .

— Tom Mitchell, **Machine Learning**