



Introduction to ML
Strategy

Setting up your goal

Comparing to human-level
performance

Machine Learning flight
simulator



Reading: Machine Learning
flight simulator
2 min



Quiz: Bird recognition in the
city of Peacetopia (case
study)
15 questions

Heroes of Deep Learning
(Optional)



Bird recognition in the city of Peacetopia (case study)

Bird recognition in the city of Peacetopia (case study)

TOTAL POINTS 15

1. Problem Statement

This example is adapted from a real production application, but with details disguised to protect confidentiality.



You are a famous researcher in the City of Peacetopia. The people of Peacetopia have a common characteristic: they are afraid of birds. To save them, you have **to build an algorithm that will detect any bird flying over Peacetopia** and alert the population.

The City Council gives you a dataset of 10,000,000 images of the sky above Peacetopia, taken from the city's security cameras. They are labelled:

- $y = 0$: There is no bird on the image
- $y = 1$: There is a bird on the image

Your goal is to build an algorithm able to classify new images taken by security cameras from Peacetopia.



People are making
progress

6533 learners have
recently completed
this assignment

1 point

Resume

Grade

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