

# MACHINE LEARNING

The machine learning (ML) field uses artificial intelligence (AI) algorithms to allow computers to automatically “learn” how to perform a specific task without being explicitly programmed to do.

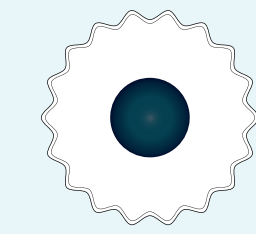
Ovizio’s services can create custom ML models to suit your specific needs.

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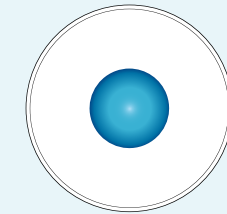


The OsOne software comprises machine learning algorithms for tracking specific objects or cell states.

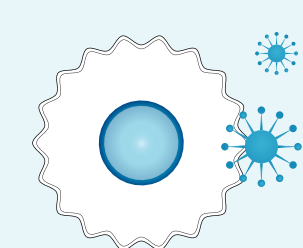
For example some of the current OsOne ML models allow the detection of:



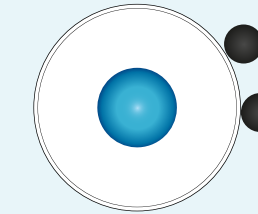
DEAD CELLS



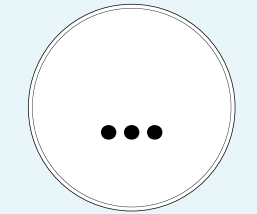
ACTIVATED CELLS



VIRAL INFECTION

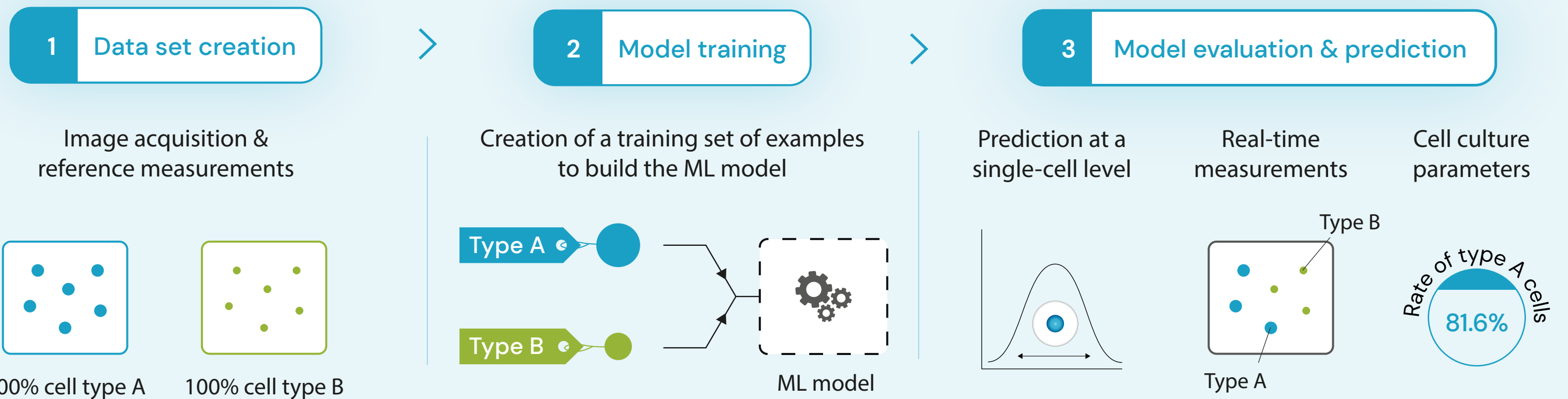


BEADS



CUSTOM  
DETECTION

A ML model is built by showing the computer examples of data related to the desired task.



The effectiveness of the resulting ML model relies on the quality of the training data set.

To ensure robust models, the ideal training set must be:

