

# Active Learning

## Problem Setup

Pool-based: Large unlabeled dataset, non-incremental

Stream-based: Data keeps coming in, to label or to discard

Member query synthesis: synthesize new data for labeling

## Selection mode

Instance-by-instance

**Batch-mode**

**Subset**

## Query strategy

**Representatives**

Prediction uncertainty

**Prediction disagreement**

Expected parameter change

Generating synthetic data