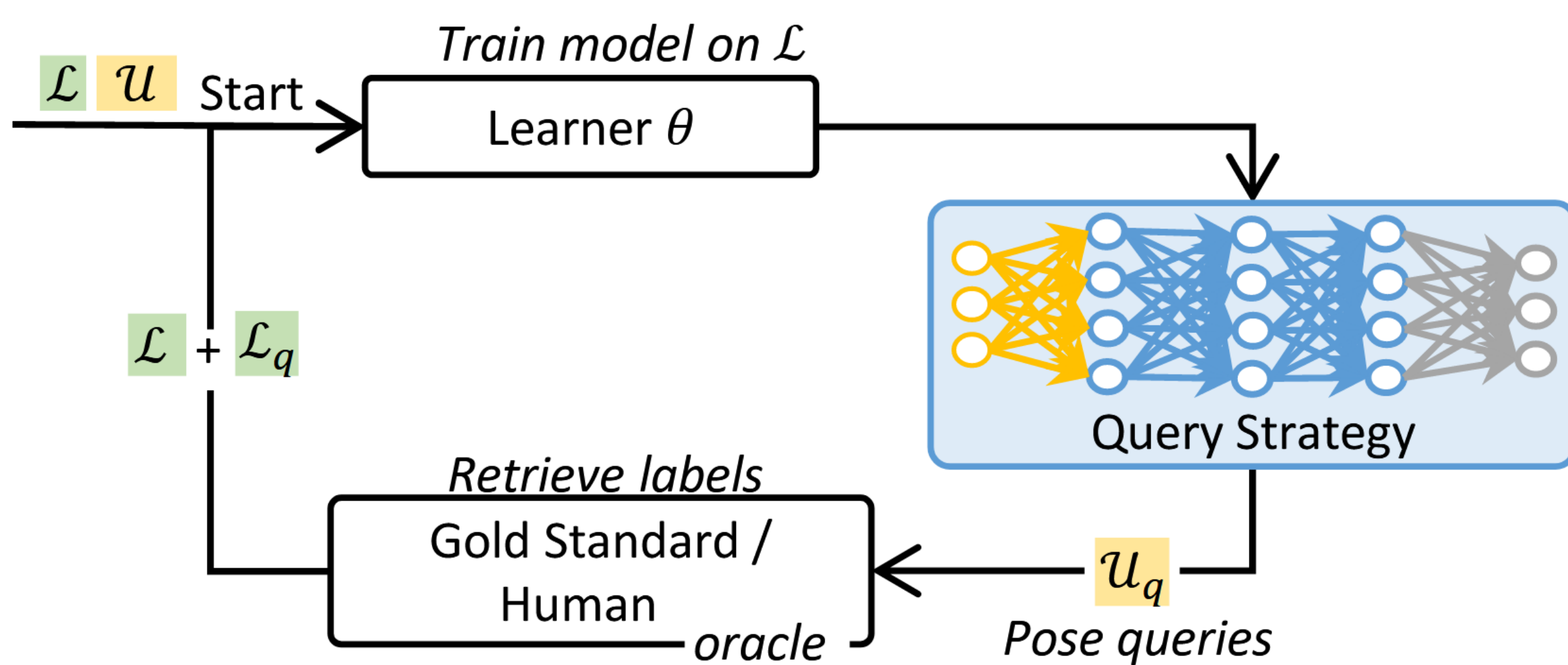


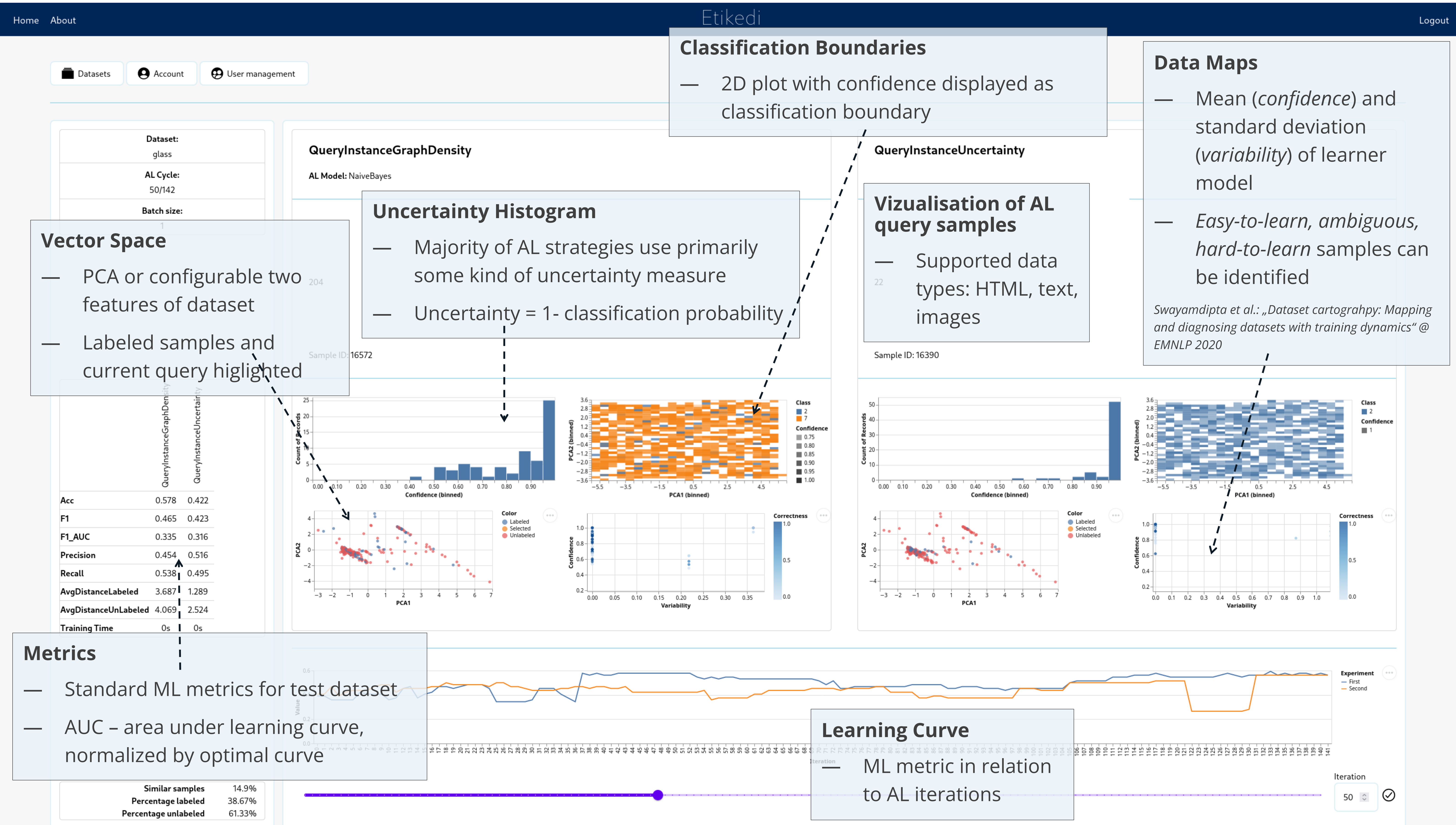
Active Learning (AL) 101

- Iterative, smart ordering of unlabeled samples for annotation
- Goal: prevent redundantly labeled samples



Battle Mode

- Replay of AL strategies with metrics for every AL iteration
- Allows deep understanding of AL strategies
- Reveals strategies time behaviour
- Based on AL framework ALiPy by Tang et al. with support for 25 AL strategies out-of-the-box
 - easily extendable
- Support to upload new datasets
- Interactive (e. g. zoomable) plots



Findings

- Strategies strongly depend on dataset and experiment parameters
- One metric is not enough to compare AL strategies
- No clear superior AL strategy, often Random strategy performs comparably well

Future Work

- Large scale pre-computation of AL experiments
- Vision: AL benchmark

<https://github.com/etikedi/etikedi/>