

Training Dataset D



Labelled datapoints

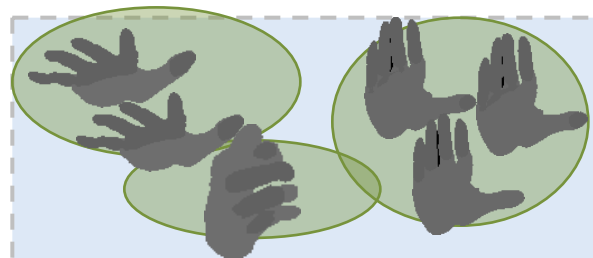


Unlabelled datapoints

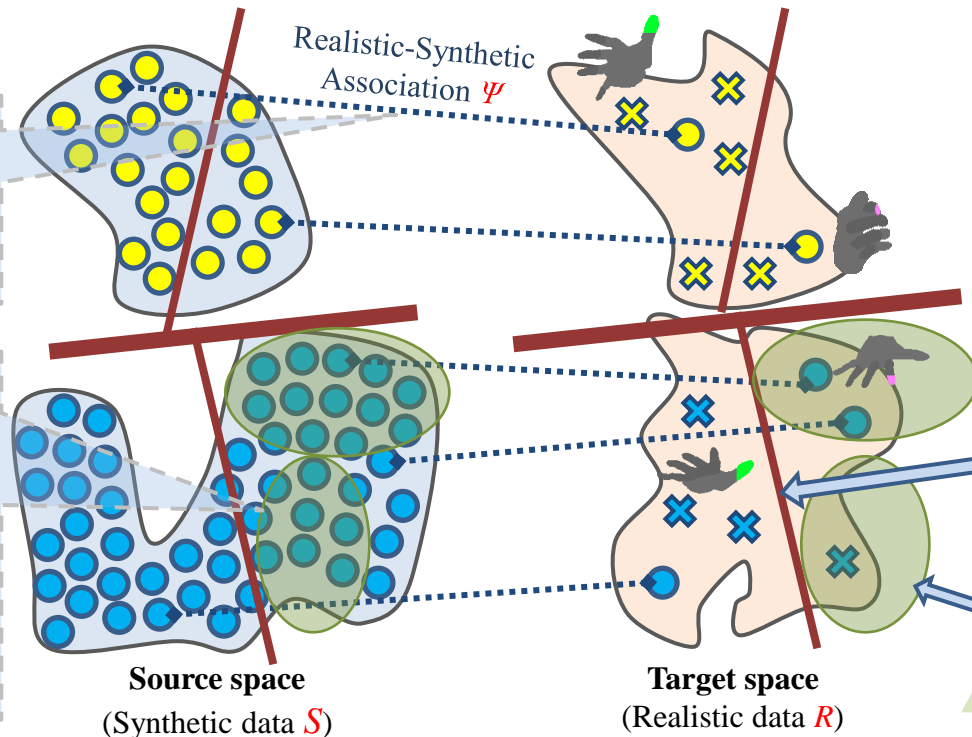


Tree split

Transductive Learning: The realistic-synthetic fusion are learned by the transductive term Q_t throughout the whole forest.



Labelled and unlabelled data are clustered via Q_u , by comparing appearances of patches.



STR Forest

Viewpoint Classification: Viewpoint classification is first performed at the top levels, controlled by the viewpoint term Q_a .

Joint Classification: At mid levels, Q_p determines classification of joints, when most viewpoints are classified.

Regression: To describe the distribution of realistic data, nodes are optimised for data compactness via Q_v and Q_u towards the bottom levels.

