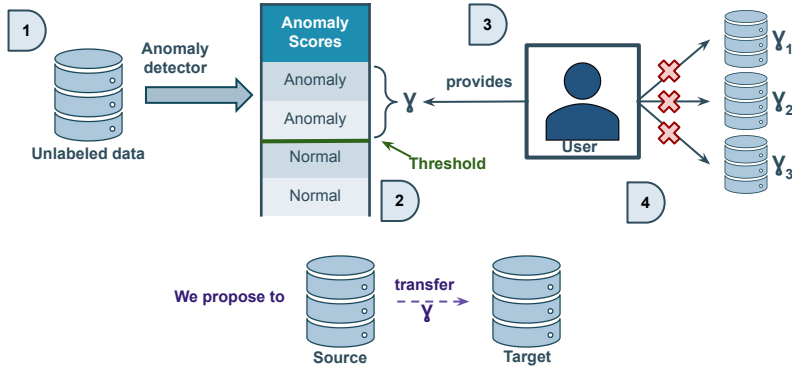


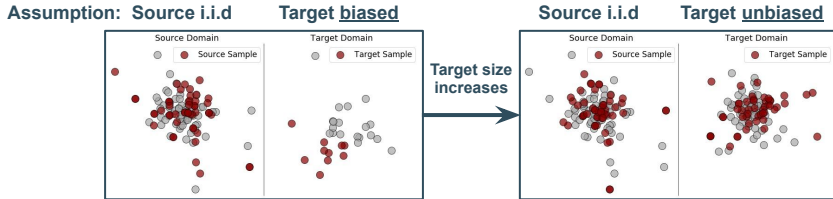
# Transferring the Contamination Factor between Anomaly Detection Domains by Shape Similarity

**Problem:** the user cannot provide domain knowledge for each asset in a fleet.



**Task:** transfer the contamination factor between anomaly detection domains.

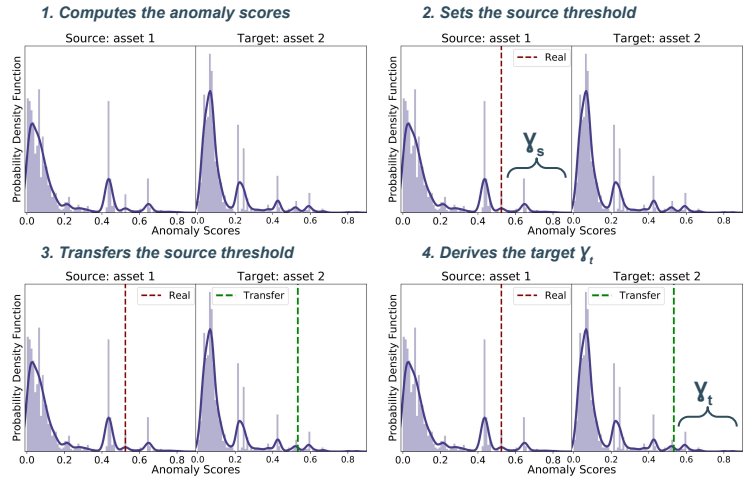
**Theoretical convergence analysis:** how TrAdE behaves to the limit.



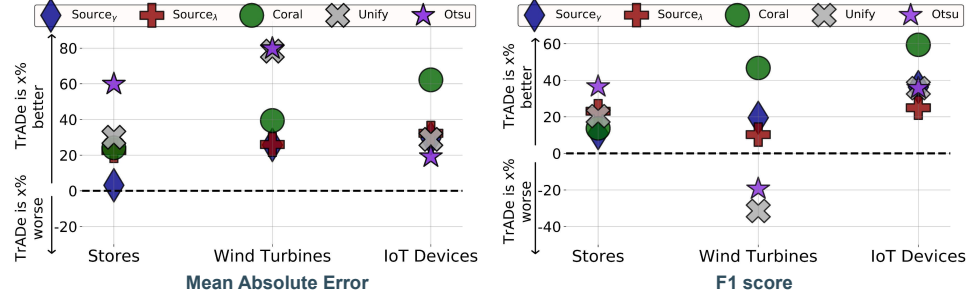
Results:

- ◆ Our transferred threshold converges to its real value;
- ◆ Our contamination factor estimator is unbiased.

**TrAdE works in 4 steps:**



**Experimental analysis:** we measure the average improvement of TrAdE against baselines.



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