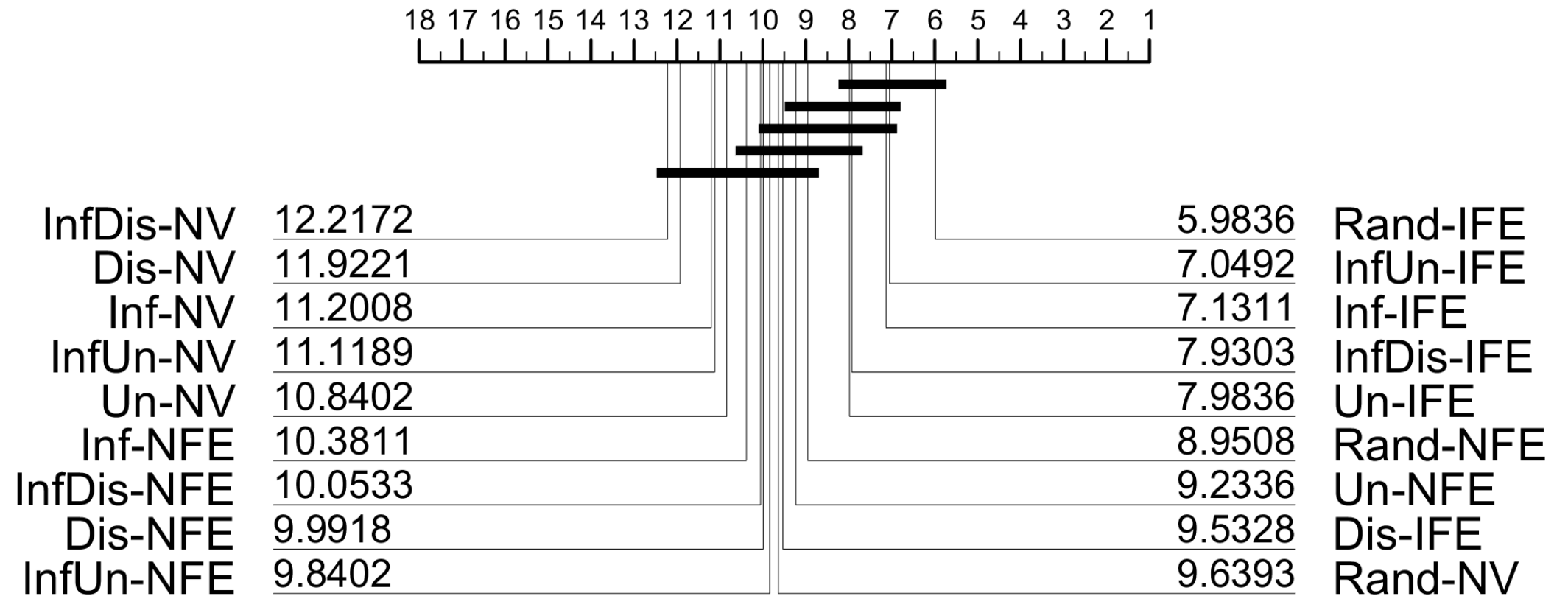


# All Experimental Figures

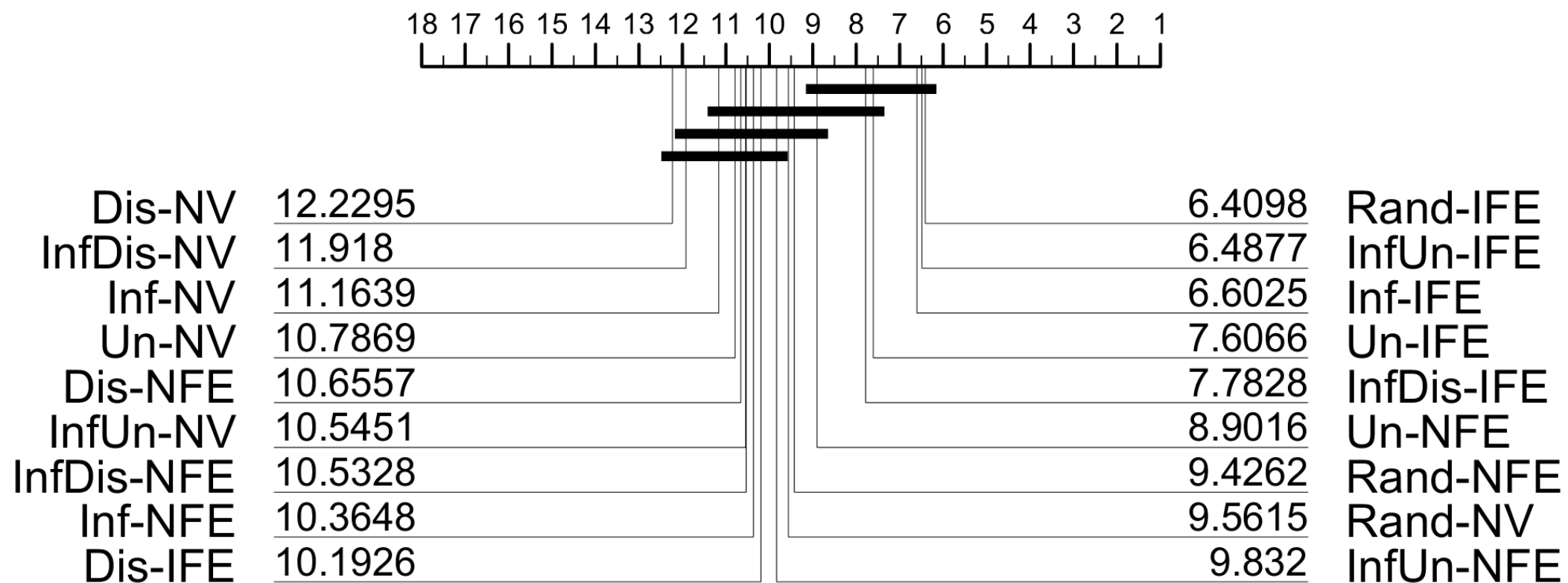
With Additional Experimental Results

- The following slides demonstrate critical difference diagrams (CDDs) of all 18 AL-based methods on the 122 UCR datasets, with percentages of queried  $\mathcal{U}$  examples ranging in 5% : 5% : 50%.
- These figures correspond to Fig. 7 and 8 in our revised paper. However, the one with percentage 50% is not in the revised paper.

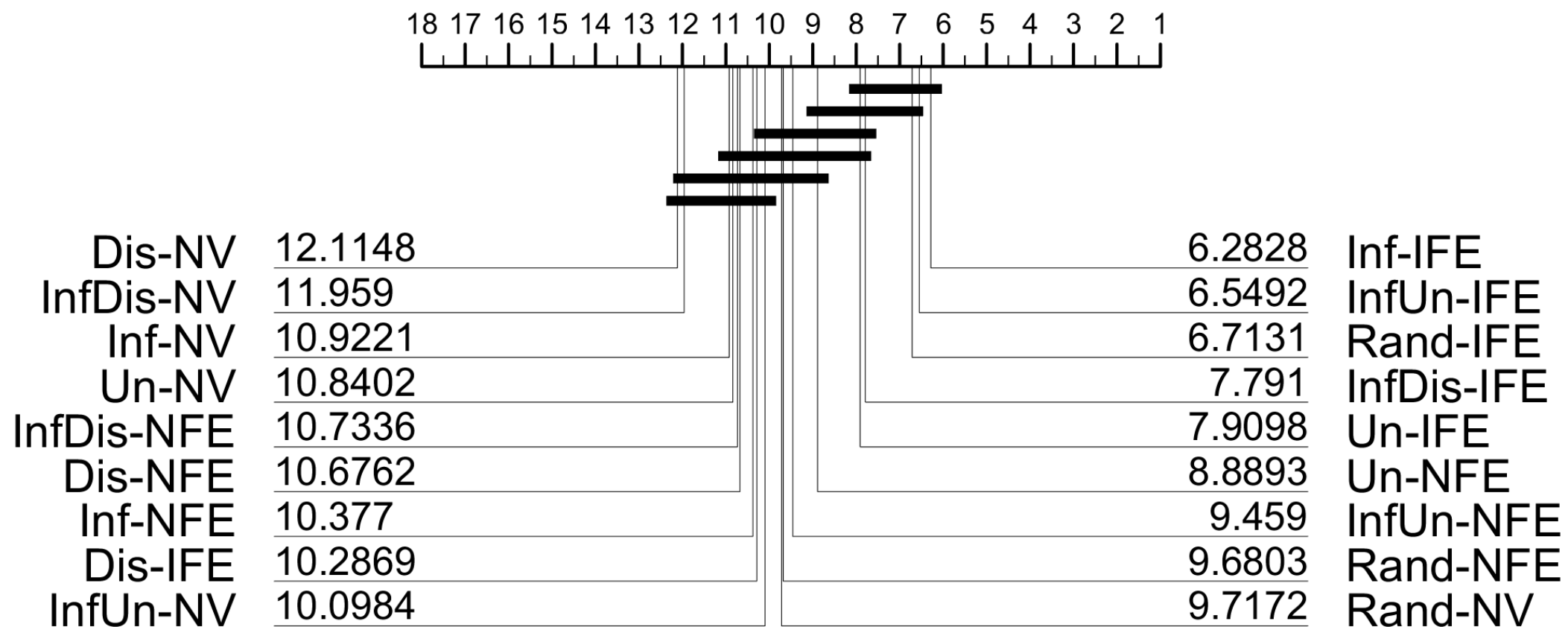
Percentage of queried  $U$  examples: 5%



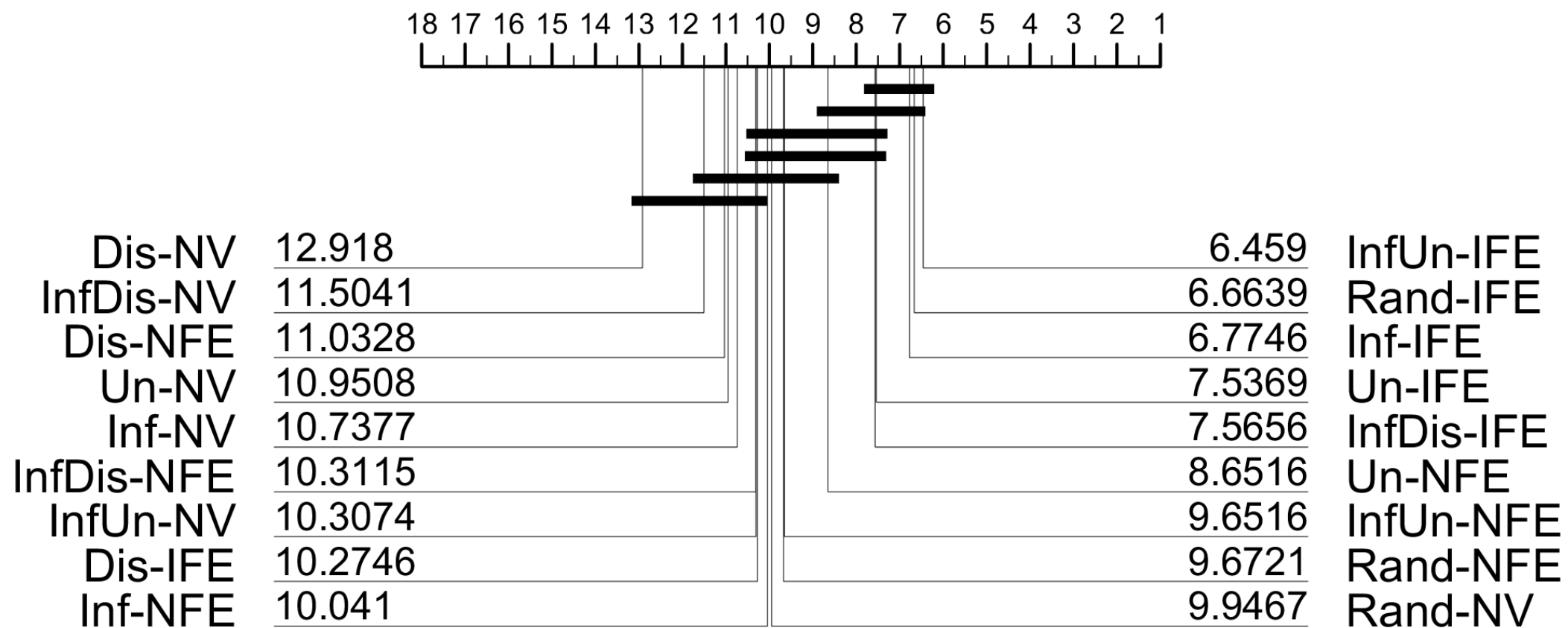
Percentage of queried  $U$  examples: 10%



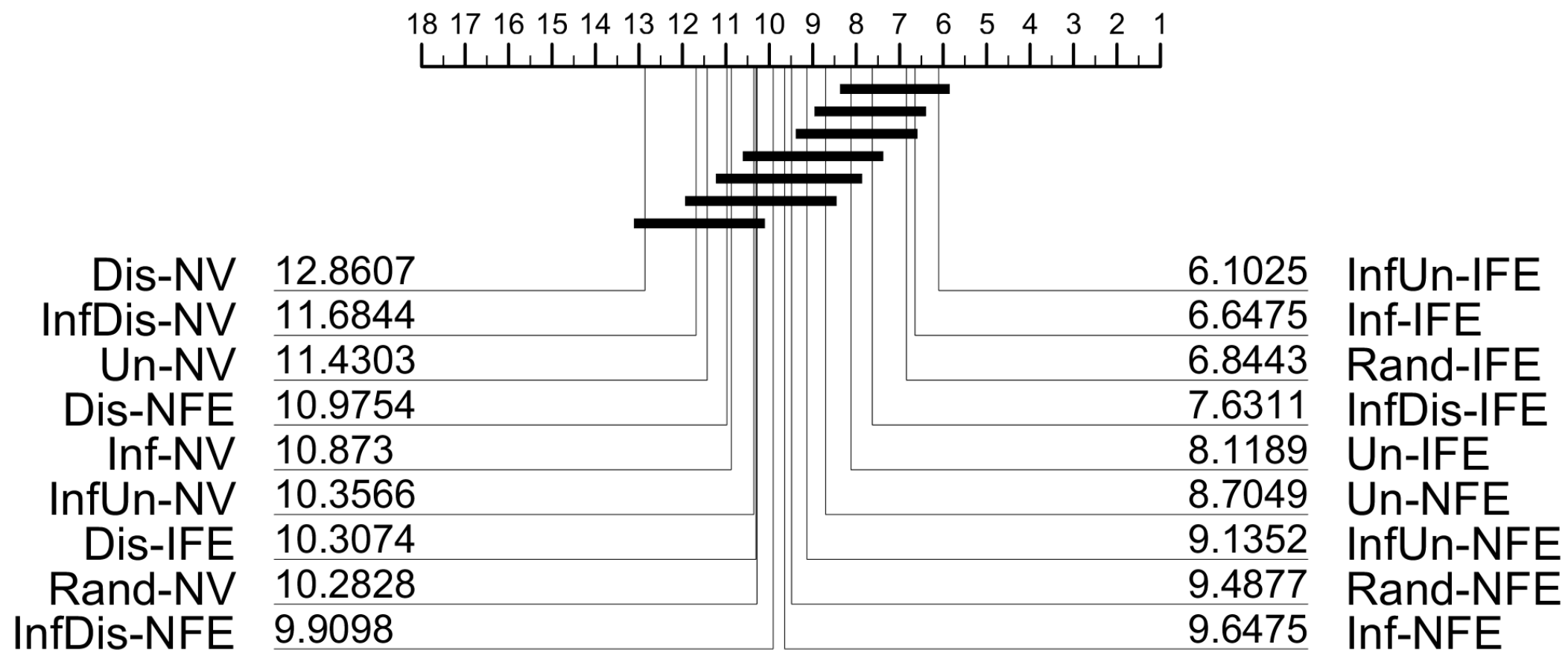
Percentage of queried  $U$  examples: 15%



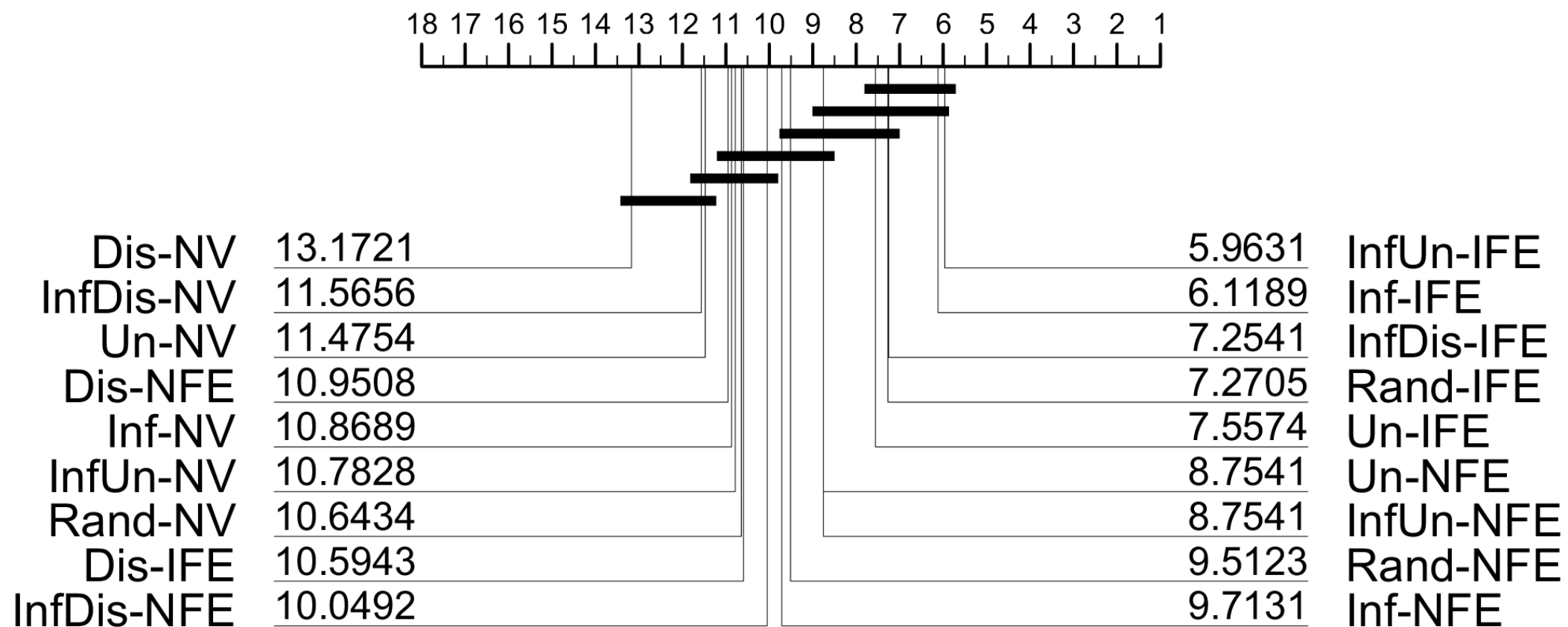
Percentage of queried  $U$  examples: 20%



Percentage of queried  $U$  examples: 25%

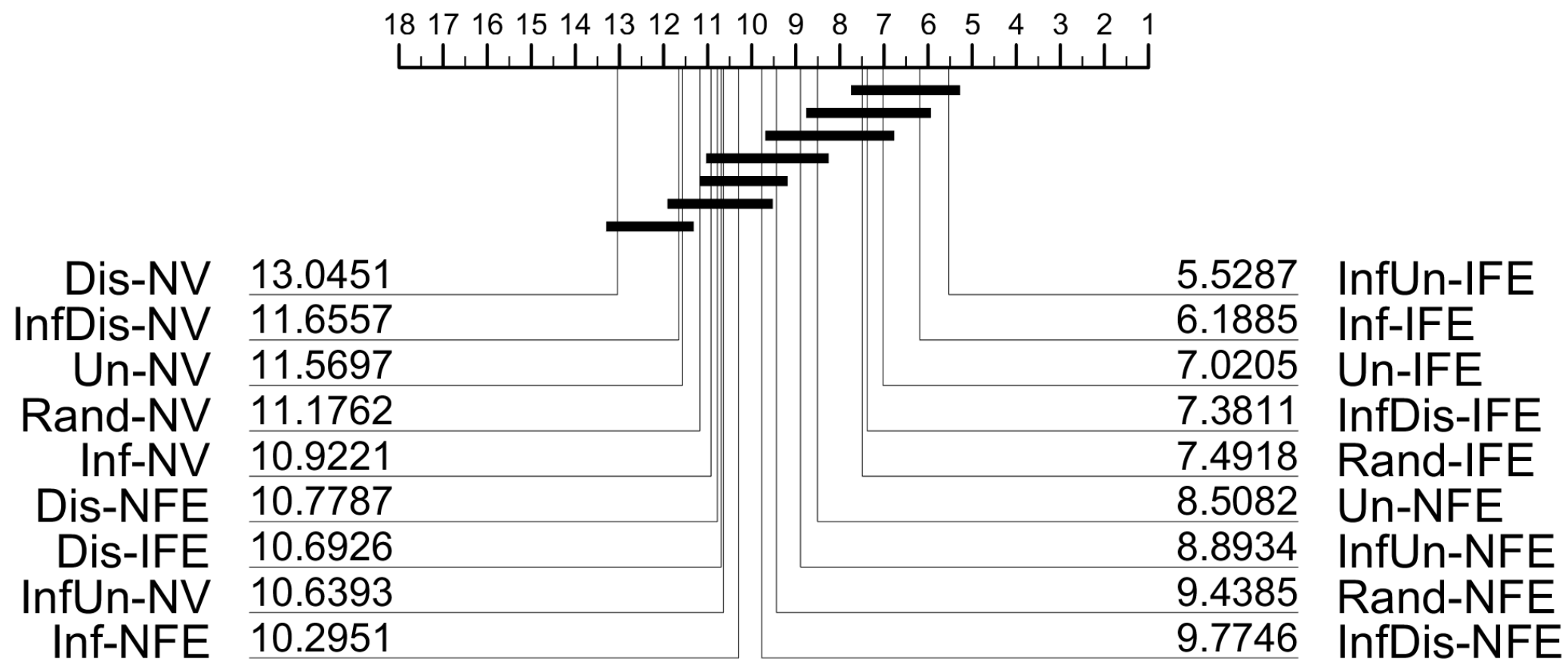


Percentage of queried  $U$  examples: 30%

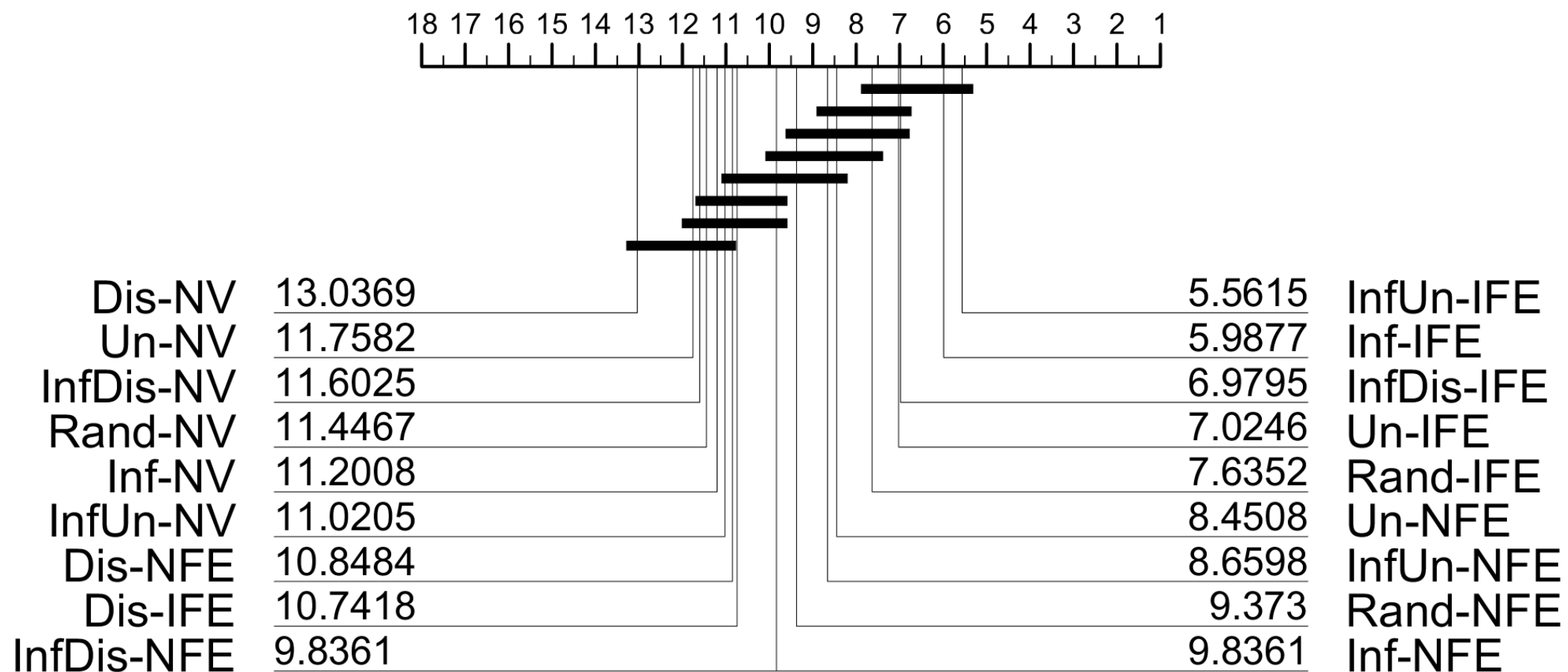




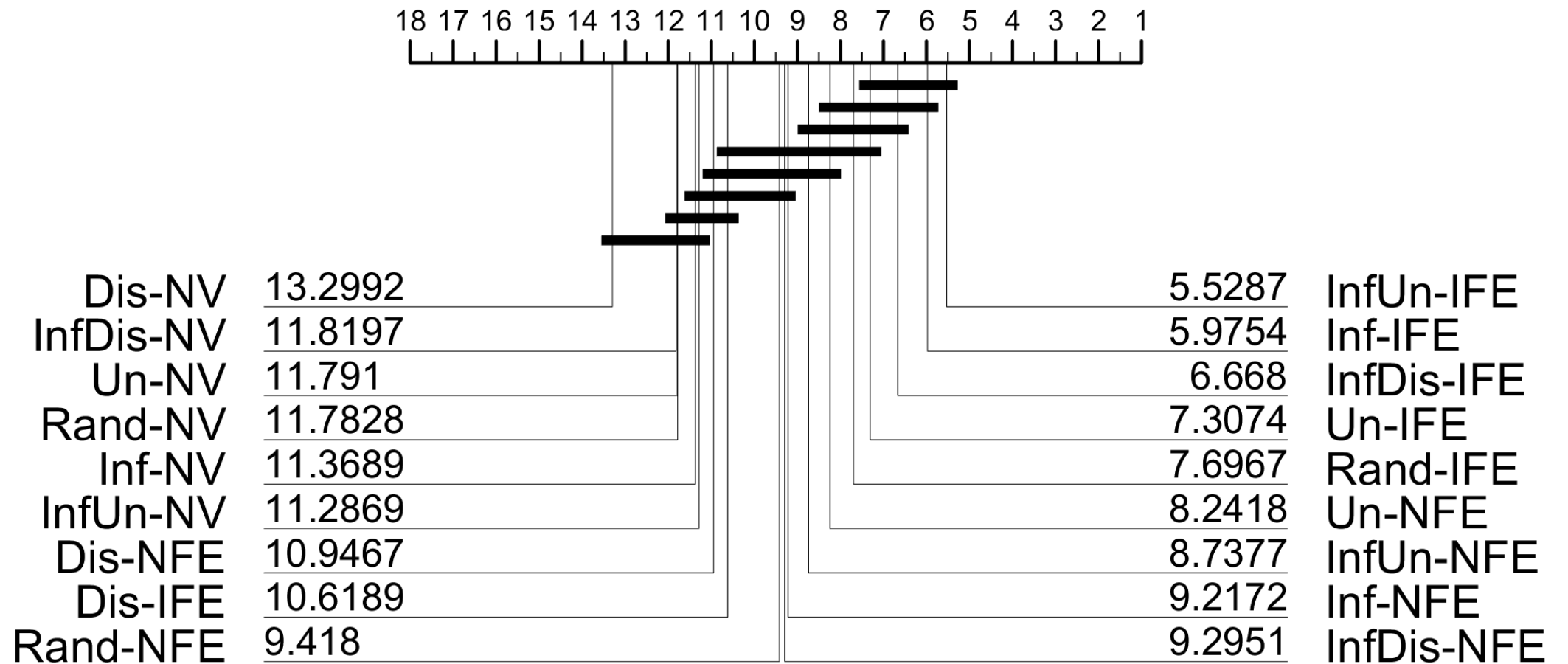
Percentage of queried  $U$  examples: 35%



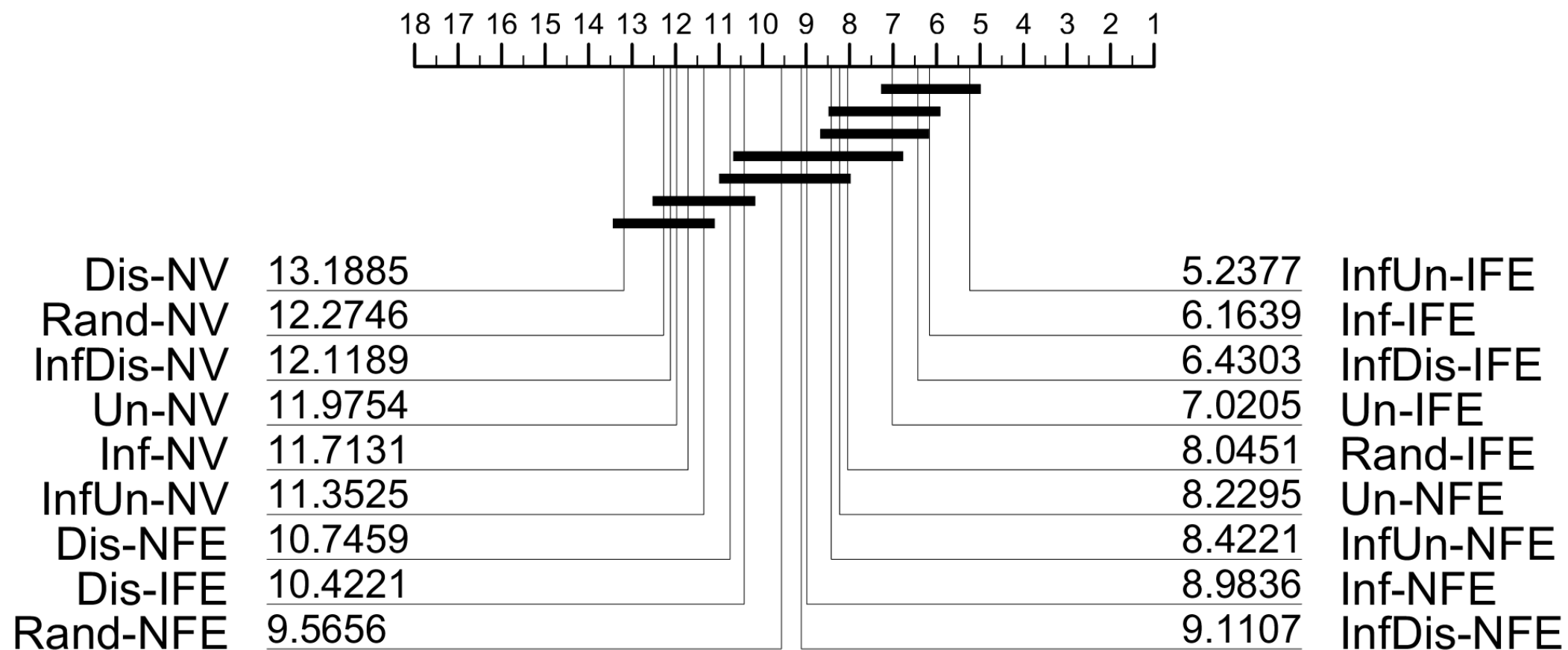
Percentage of queried  $U$  examples: 40%



Percentage of queried  $U$  examples: 45%

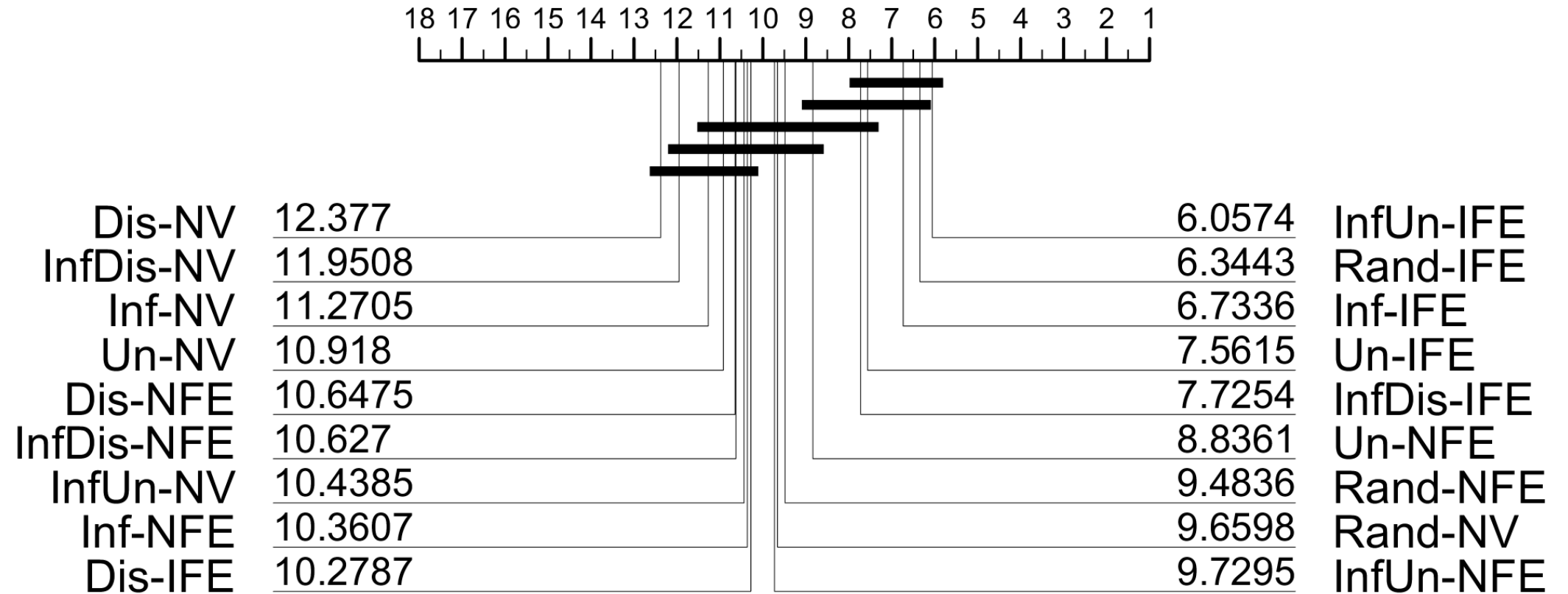


Percentage of queried  $U$  examples: 50%

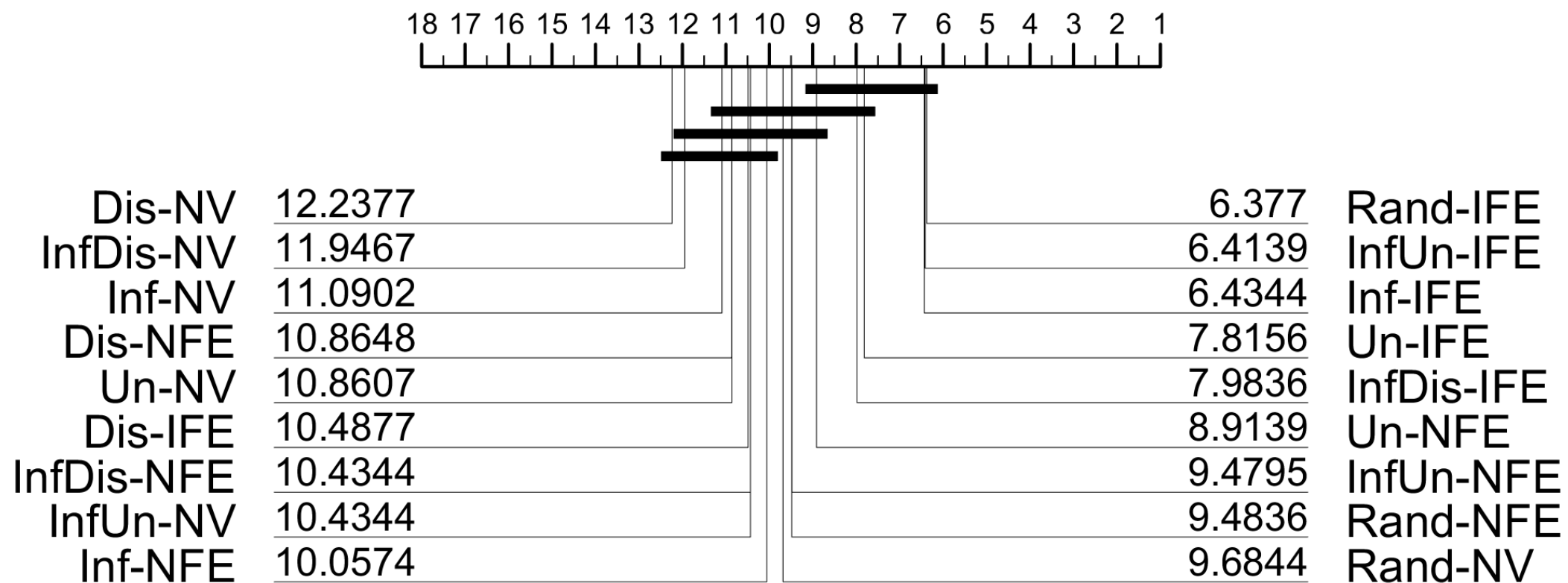


- The following slides demonstrate critical difference diagrams (CDDs) of all 18 AL-based methods on the 122 UCR datasets, with percentages of queried  $\mathcal{U}$  examples ranging in 11% : 1% : 19%.
- These figures are not in the revised paper. However, they have been used in our guidelines on when to use the three recommended methods.

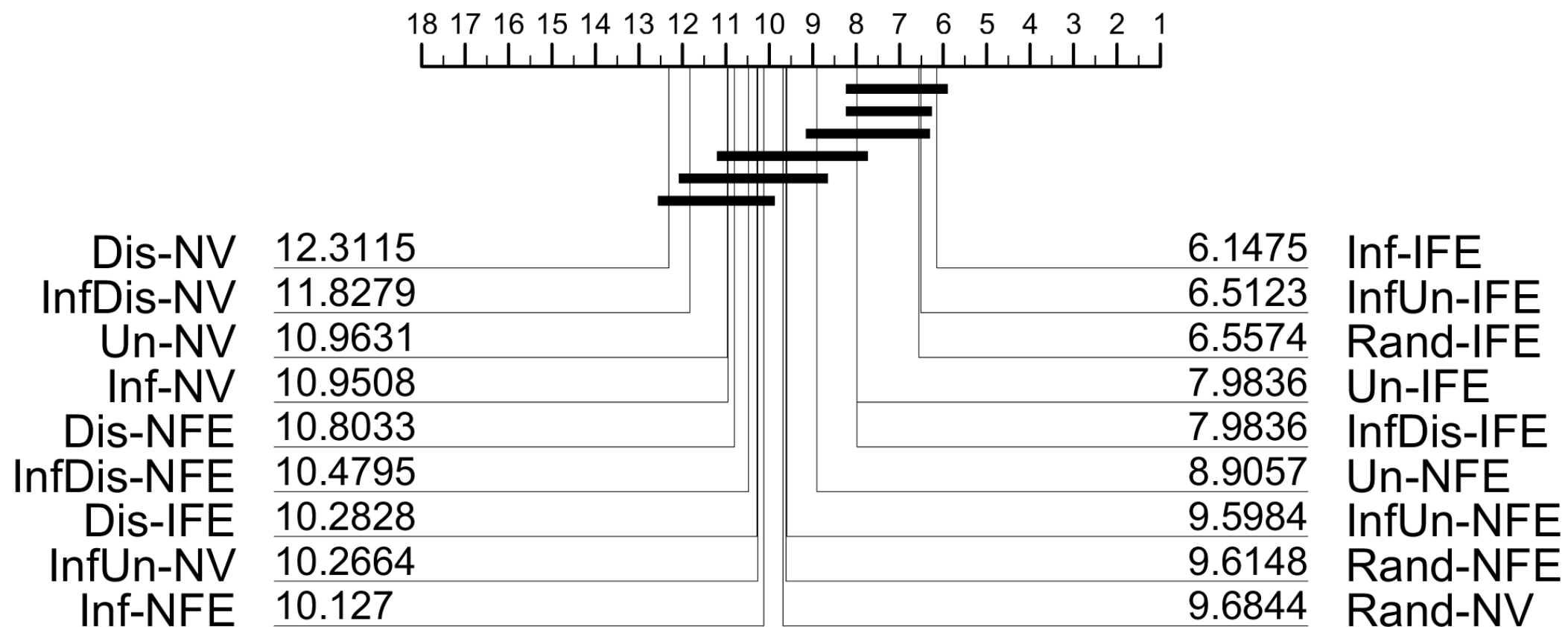
Percentage of queried  $U$  examples: 11%



Percentage of queried  $U$  examples: 12%

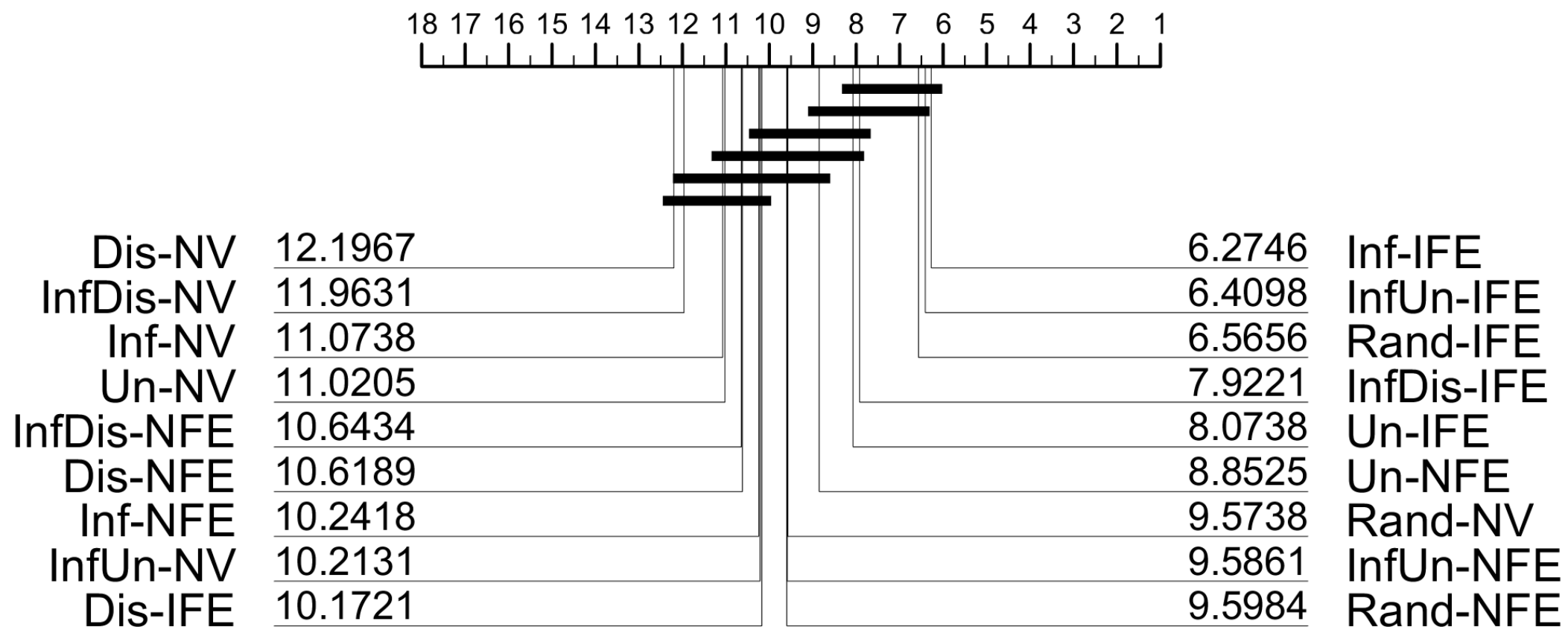


Percentage of queried  $U$  examples: 13%

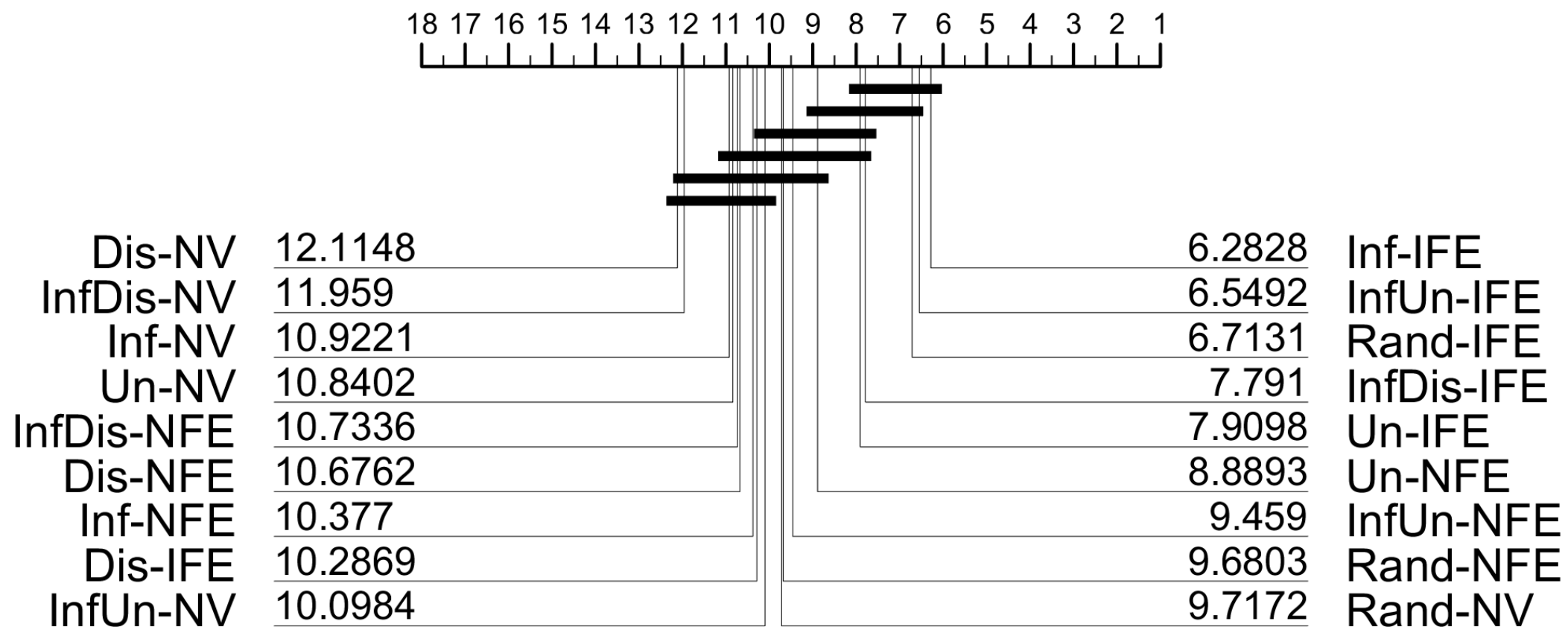




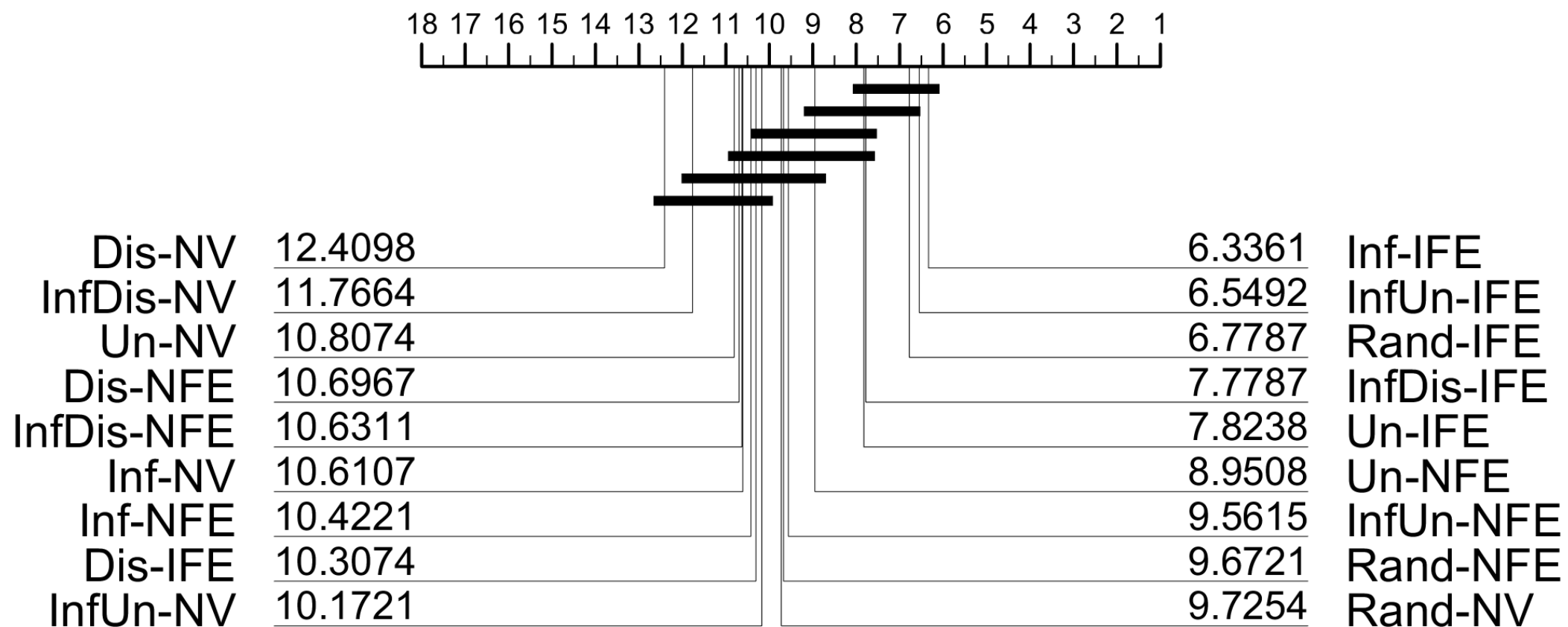
Percentage of queried  $U$  examples: 14%



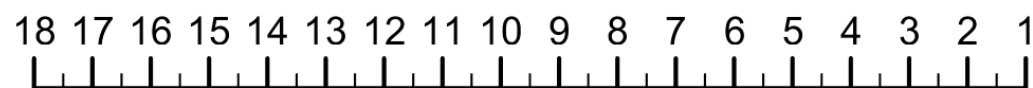
Percentage of queried  $U$  examples: 15%



Percentage of queried  $U$  examples: 16%

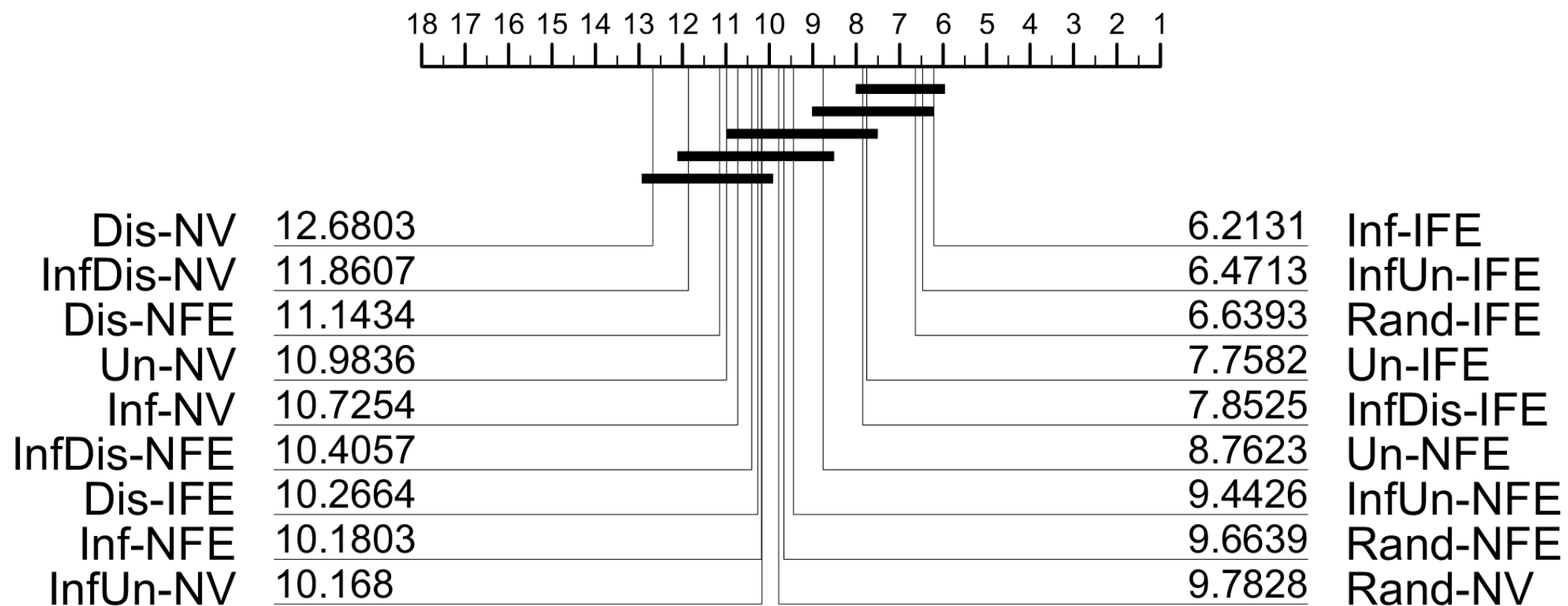


Percentage of queried  $U$  examples: 17%

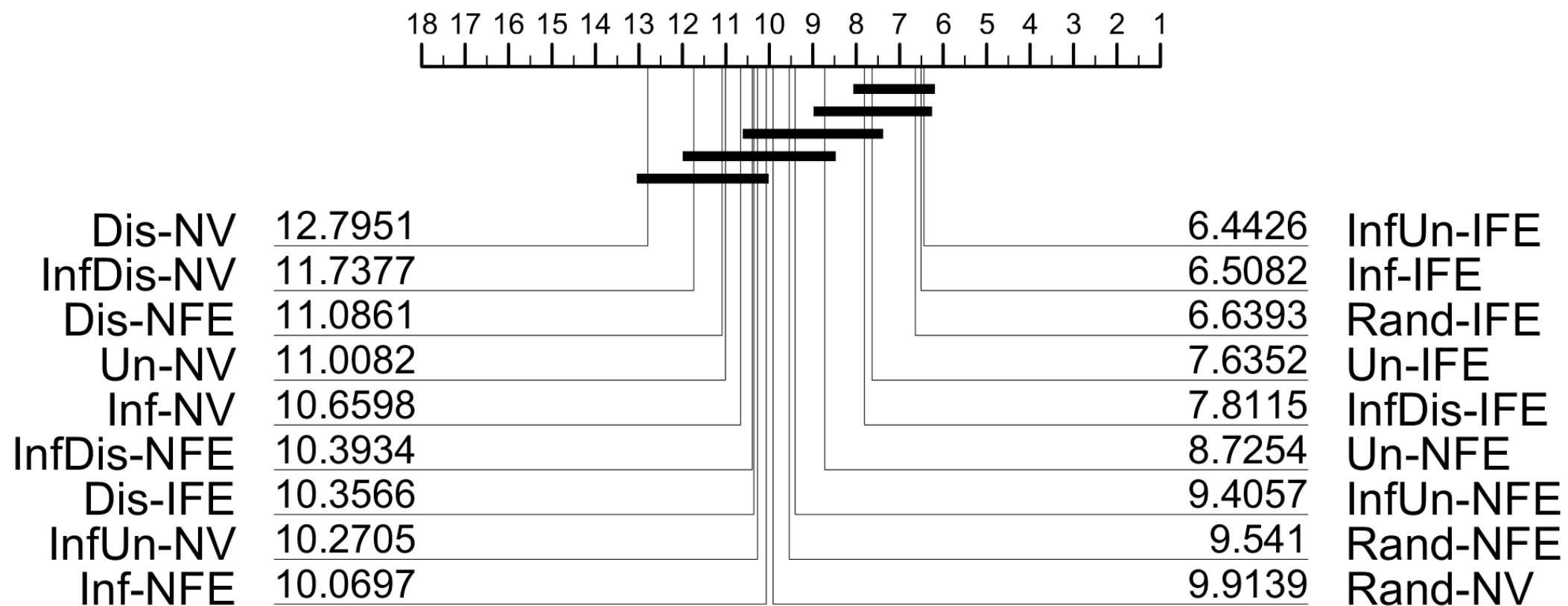


Dis-NV	12.5492	6.3811	InfUn-IFE
InfDis-NV	11.959	6.418	Inf-IFE
Un-NV	10.9836	6.5738	Rand-IFE
Dis-NFE	10.9713	7.8566	InfDis-IFE
Inf-NV	10.623	7.9344	Un-IFE
InfDis-NFE	10.4549	8.7828	Un-NFE
Dis-IFE	10.373	9.4754	InfUn-NFE
Inf-NFE	10.2295	9.6393	Rand-NFE
InfUn-NV	10.0123	9.7828	Rand-NV

Percentage of queried  $U$  examples: 18%

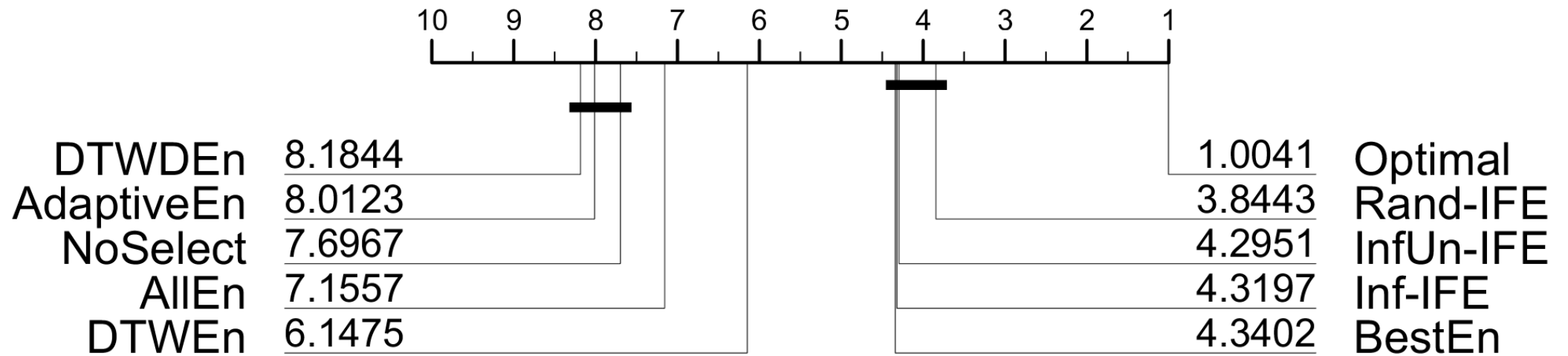


Percentage of queried  $U$  examples: 19%



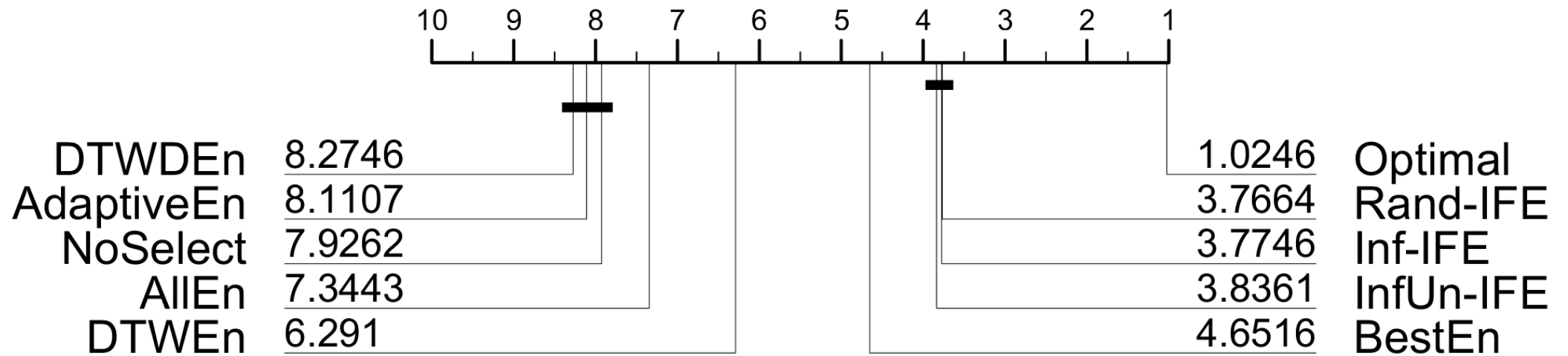
- The following slides demonstrate critical difference diagrams (CDDs) of our three recommended methods and the non-AL based baselines on all 122 UCR datasets, with percentages of queried  $\mathcal{U}$  examples ranging in 5% : 5% : 50%.
- The first four of these figures correspond to Fig. 9 of the revised paper. The rest are not in the paper.

Percentage of queried  $U$  examples: 5%

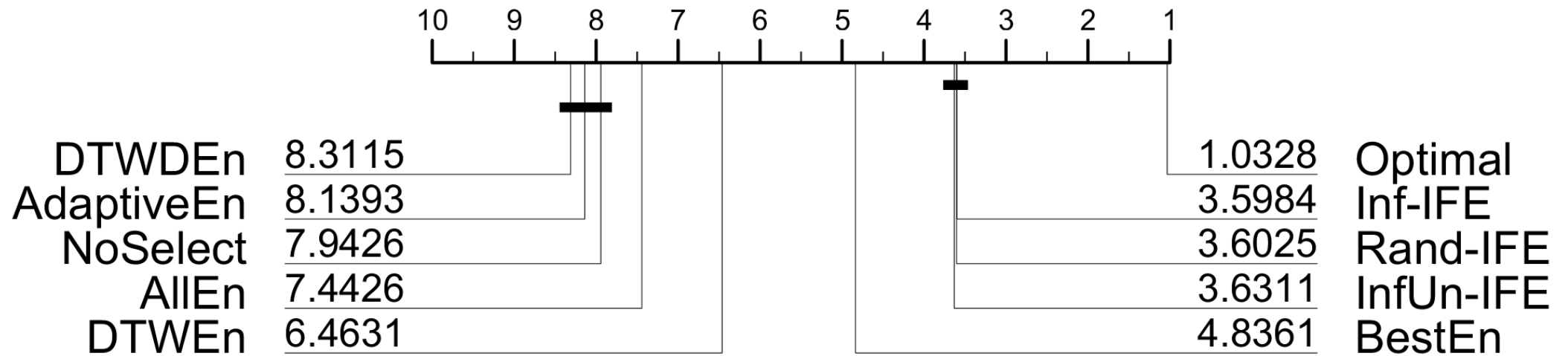




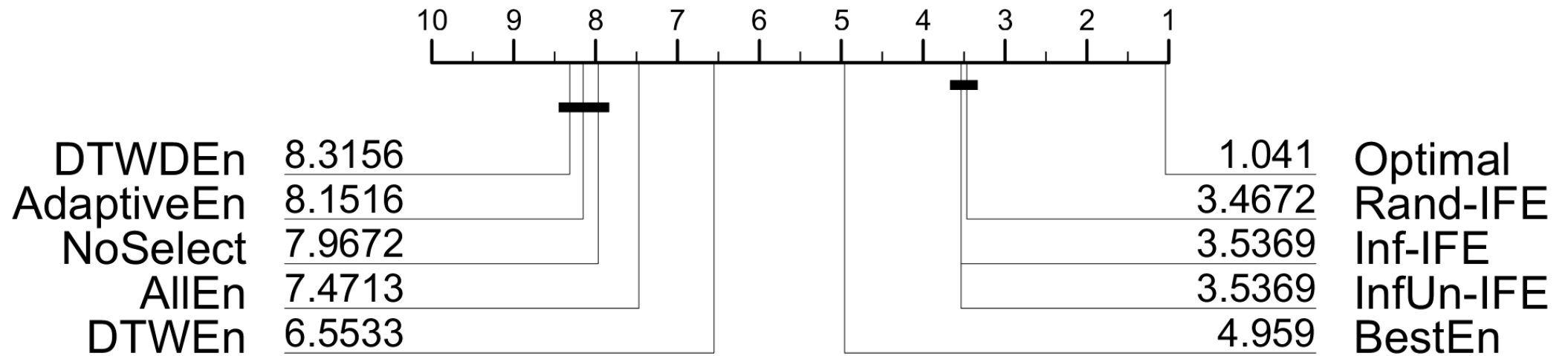
Percentage of queried  $U$  examples: 10%



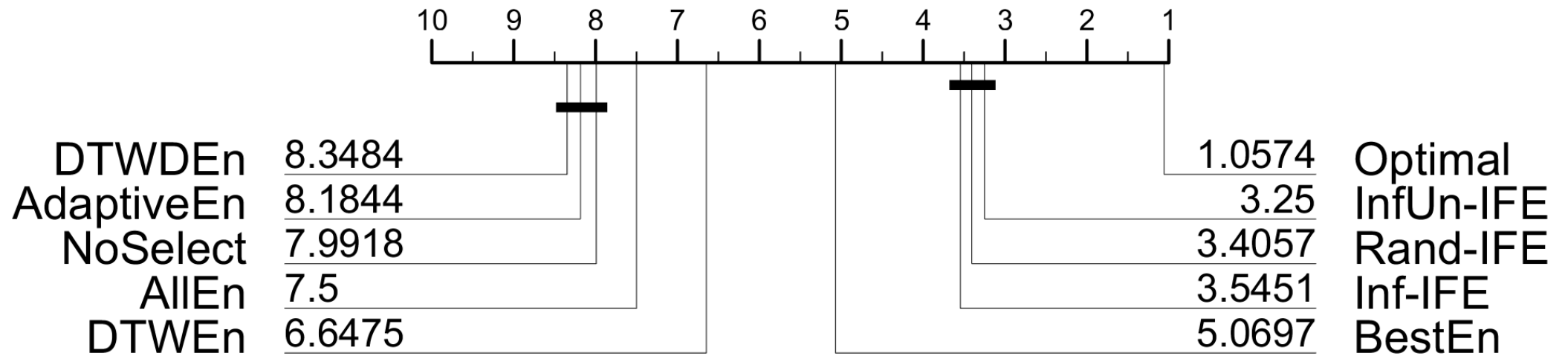
Percentage of queried  $U$  examples: 15%



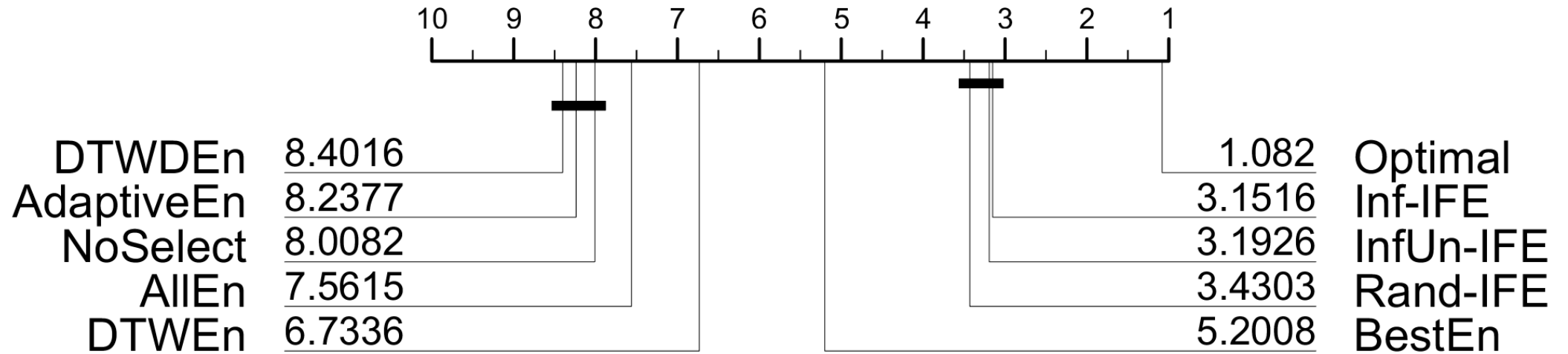
Percentage of queried  $U$  examples: 20%



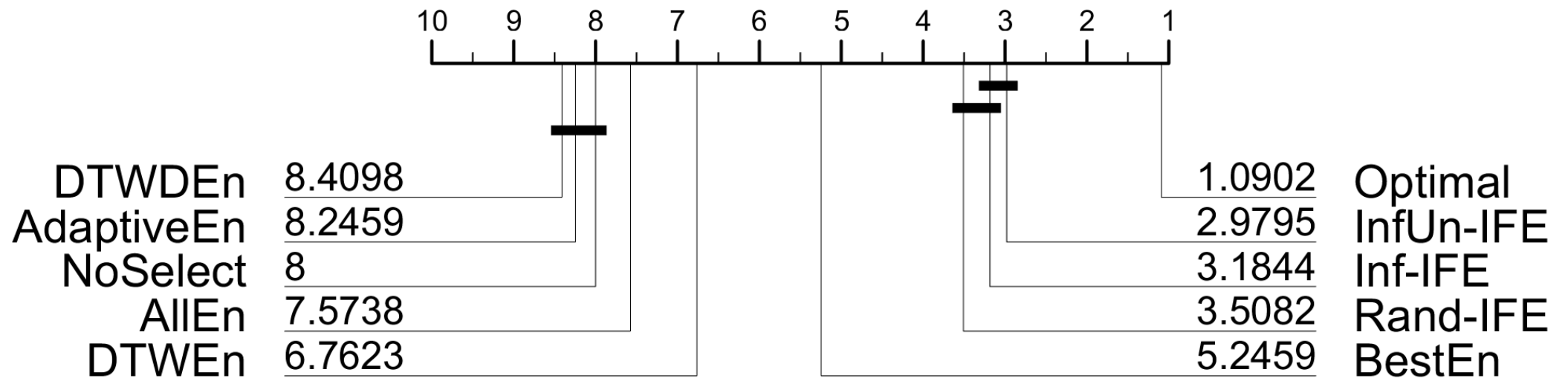
Percentage of queried  $U$  examples: 25%



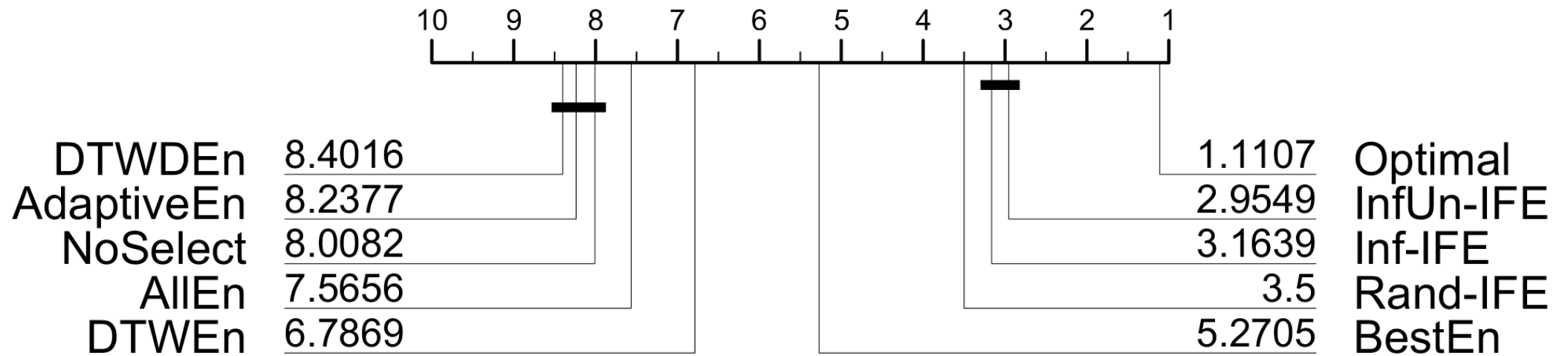
Percentage of queried  $U$  examples: 30%



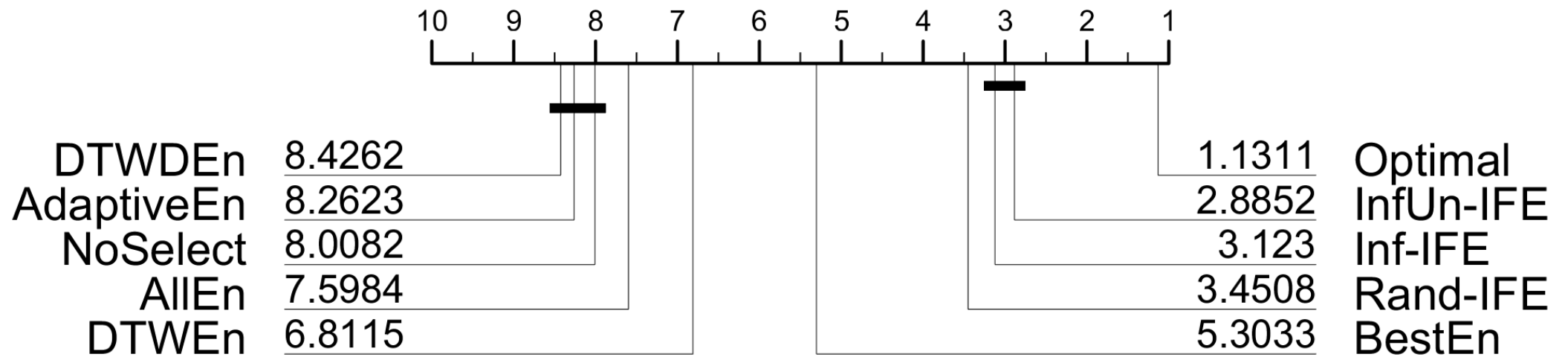
Percentage of queried  $U$  examples: 35%



Percentage of queried  $U$  examples: 40%

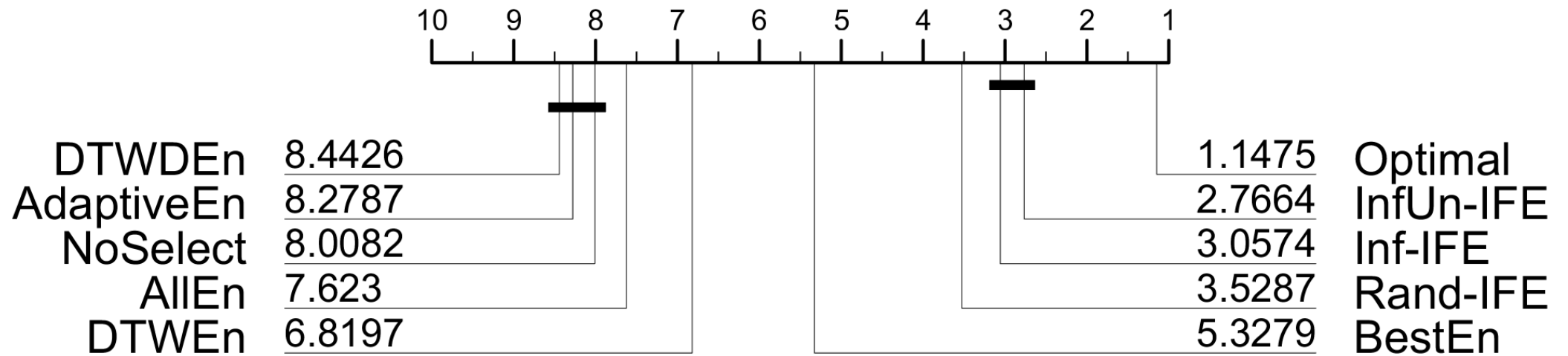


Percentage of queried  $U$  examples: 45%



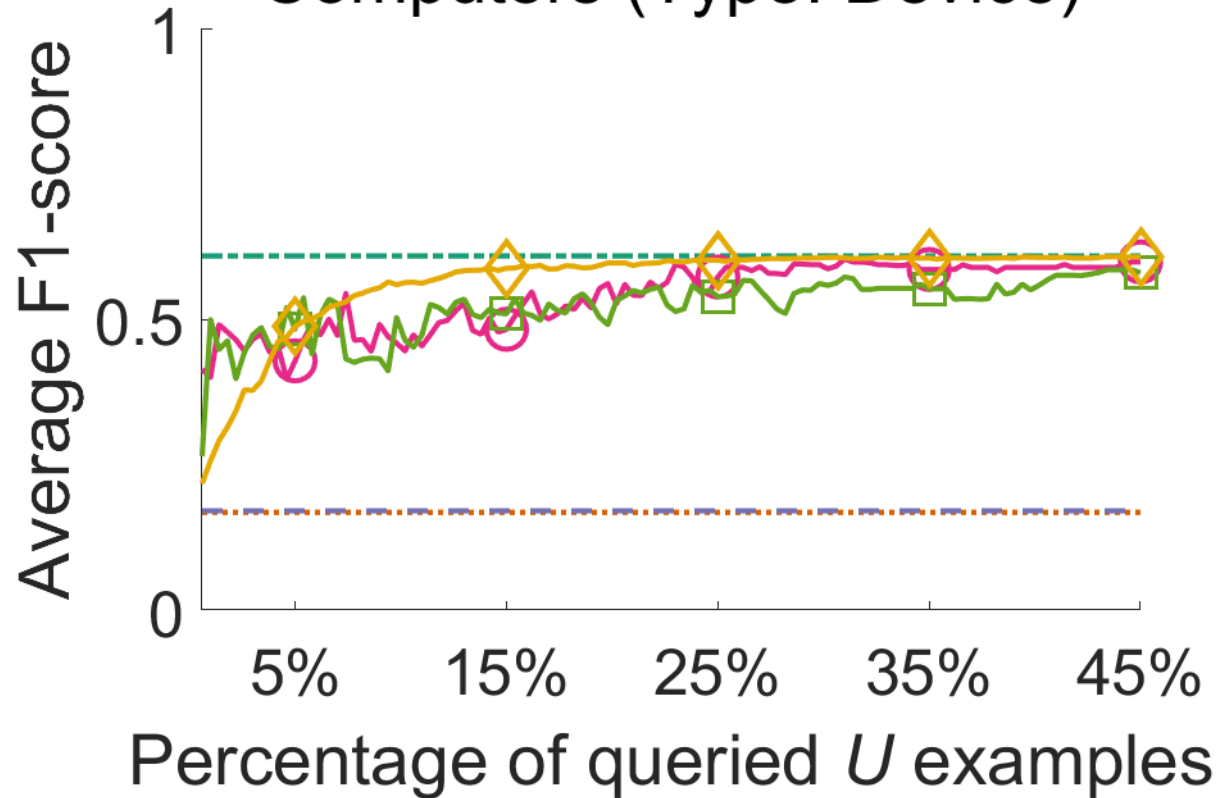


Percentage of queried  $U$  examples: 50%

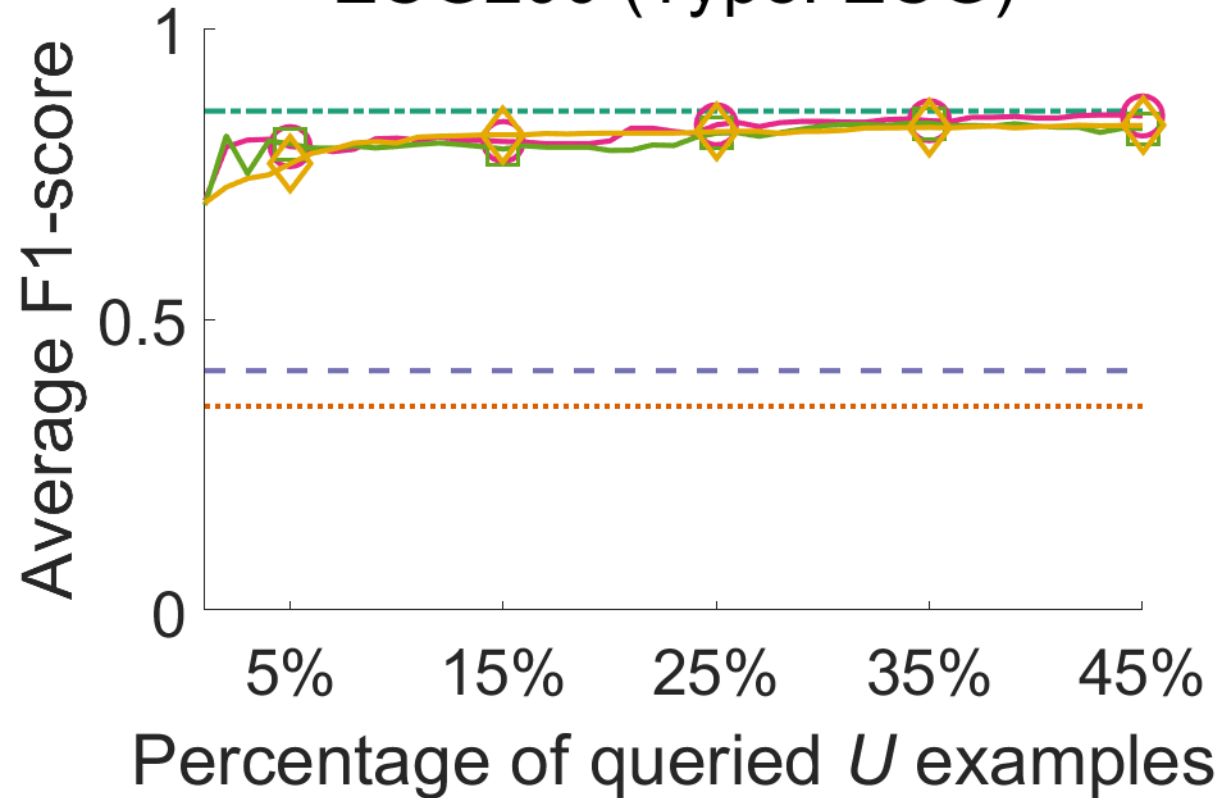


- The following slides demonstrate performances of our recommended methods and Optimal, NoSelect, BestEn on 14 UCR datasets of different types.
- Six of these figures correspond to Fig. 10 of the revised paper. The rest are not in the paper.

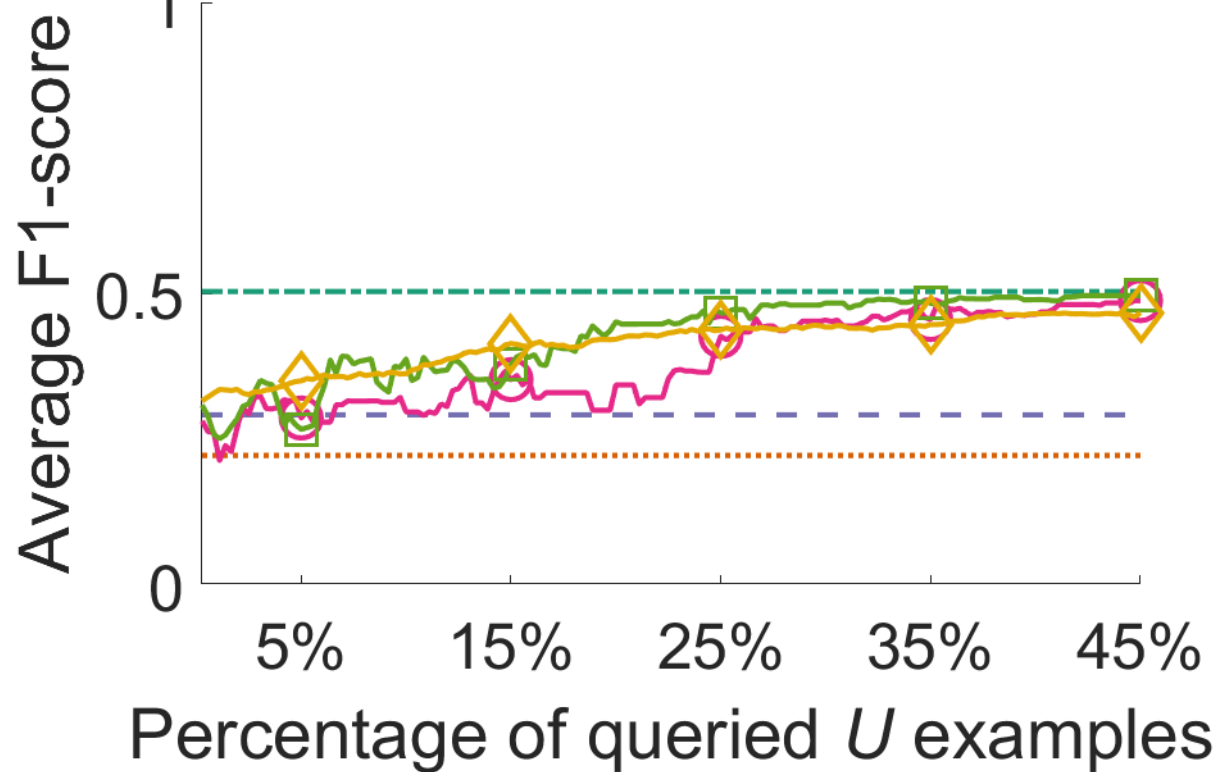
Computers (Type: Device)



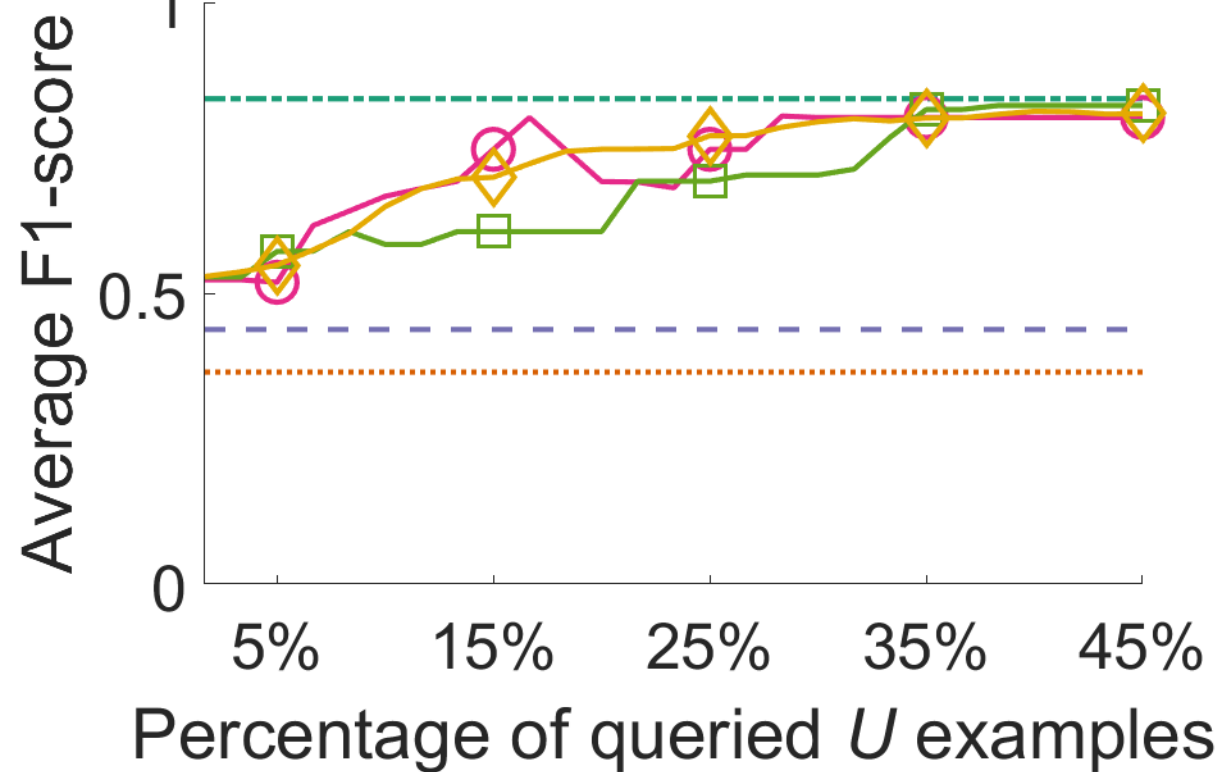
ECG200 (Type: ECG)

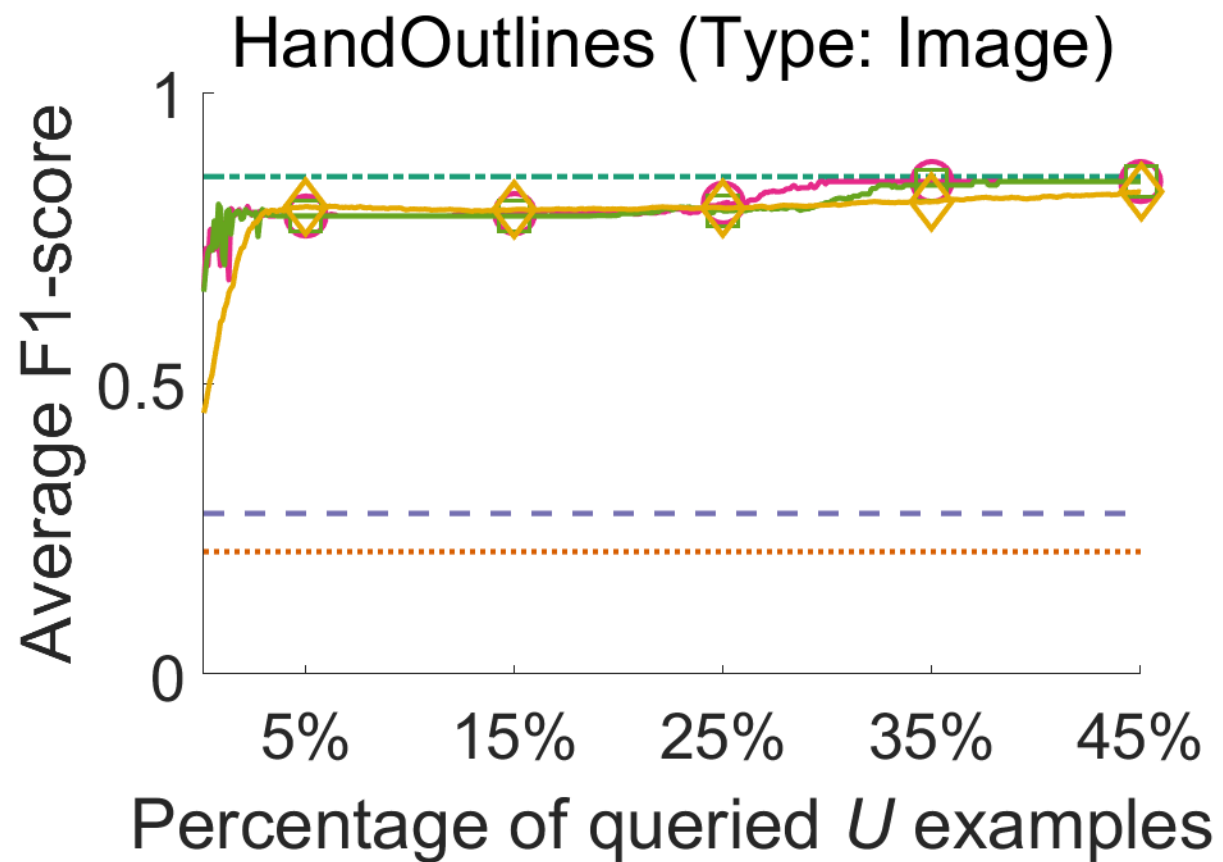
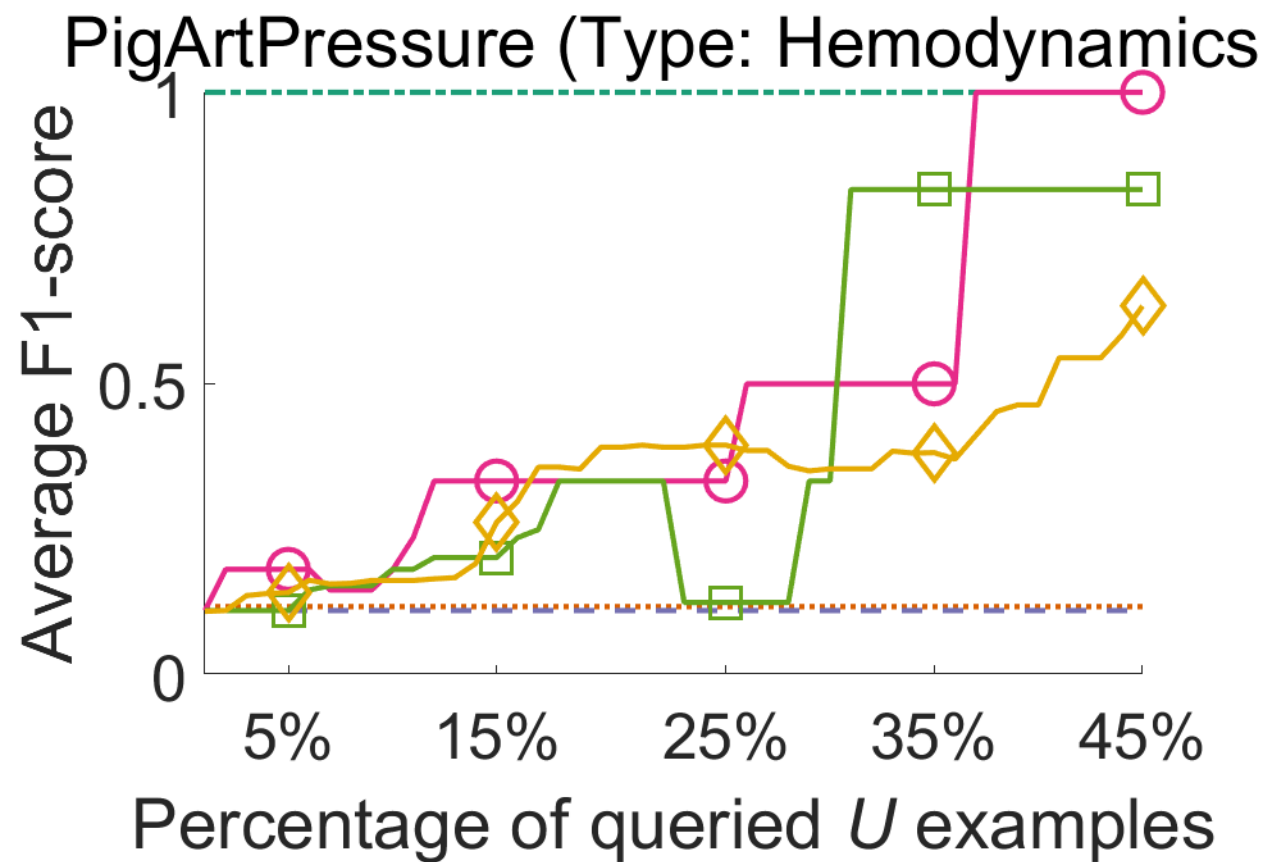


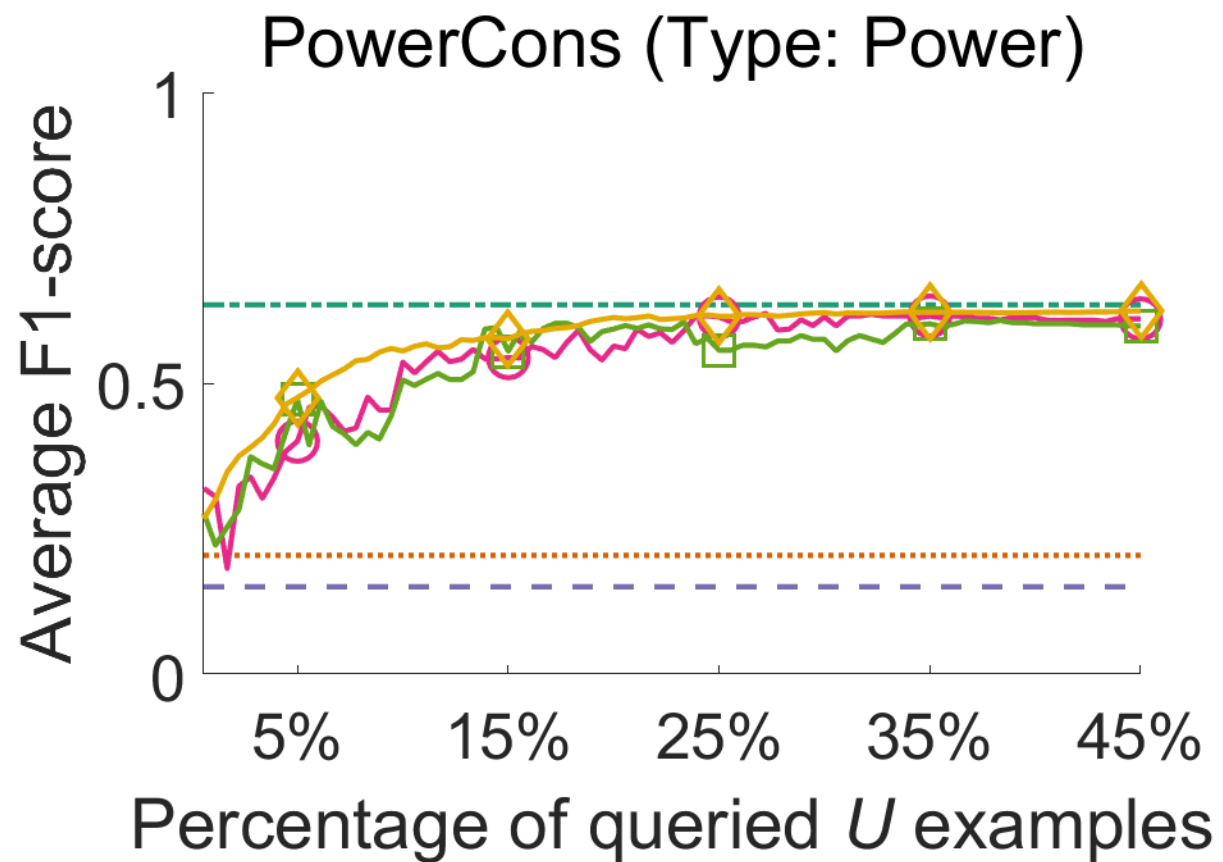
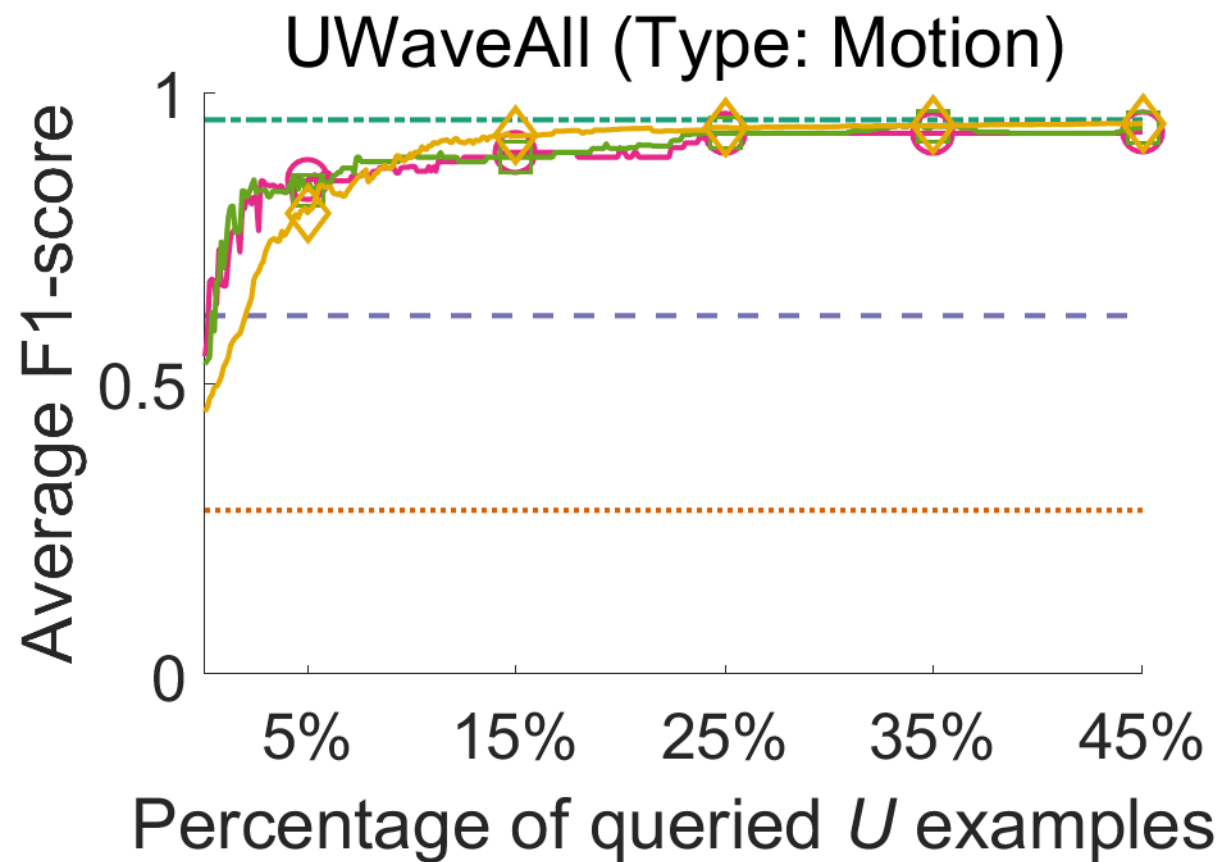
EOGHorizontalSignal (Type: EOG)

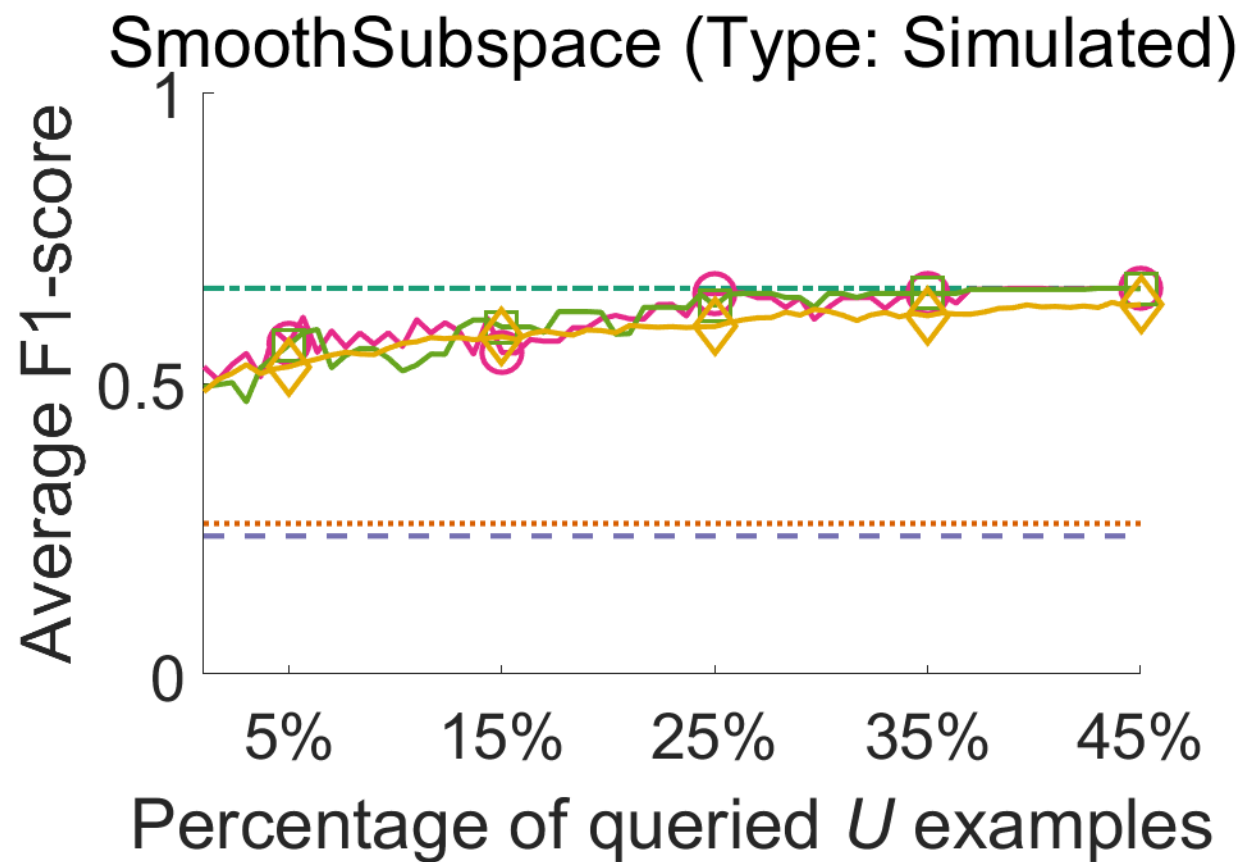
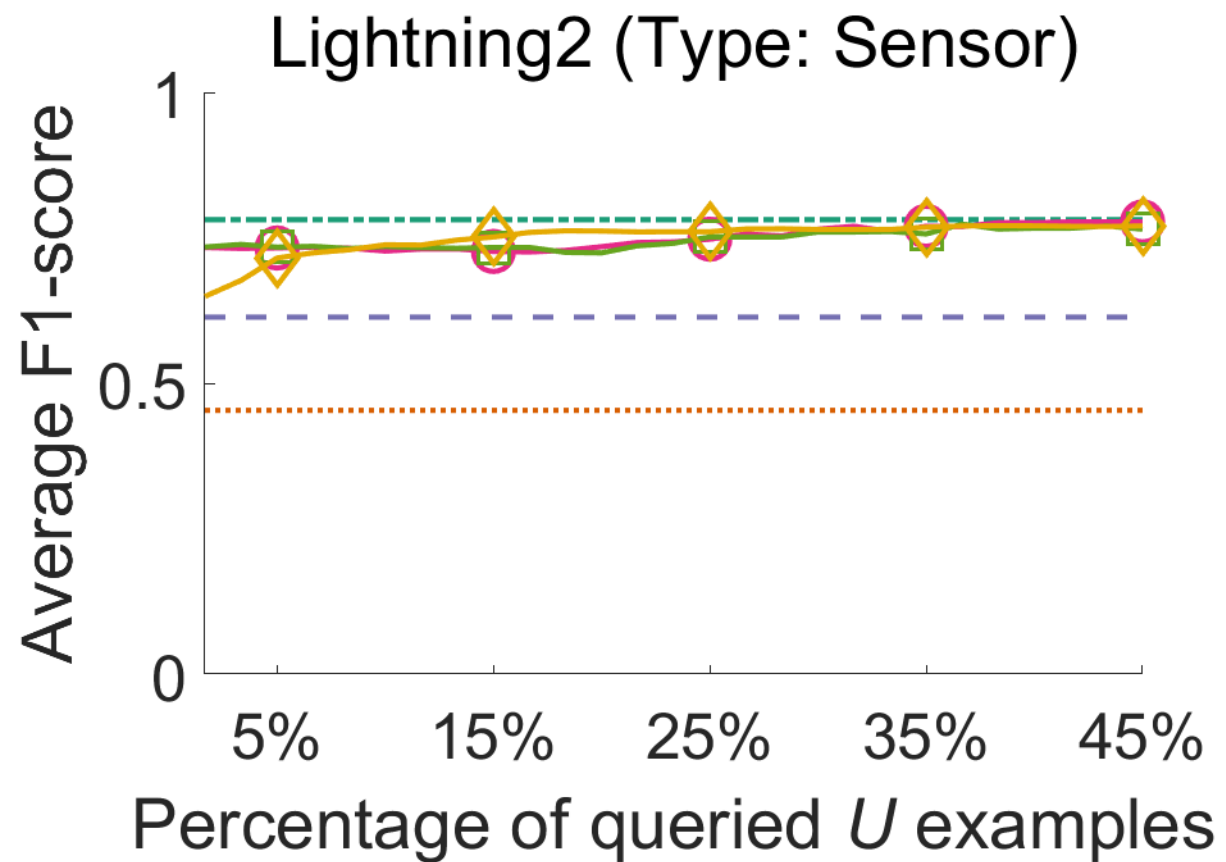


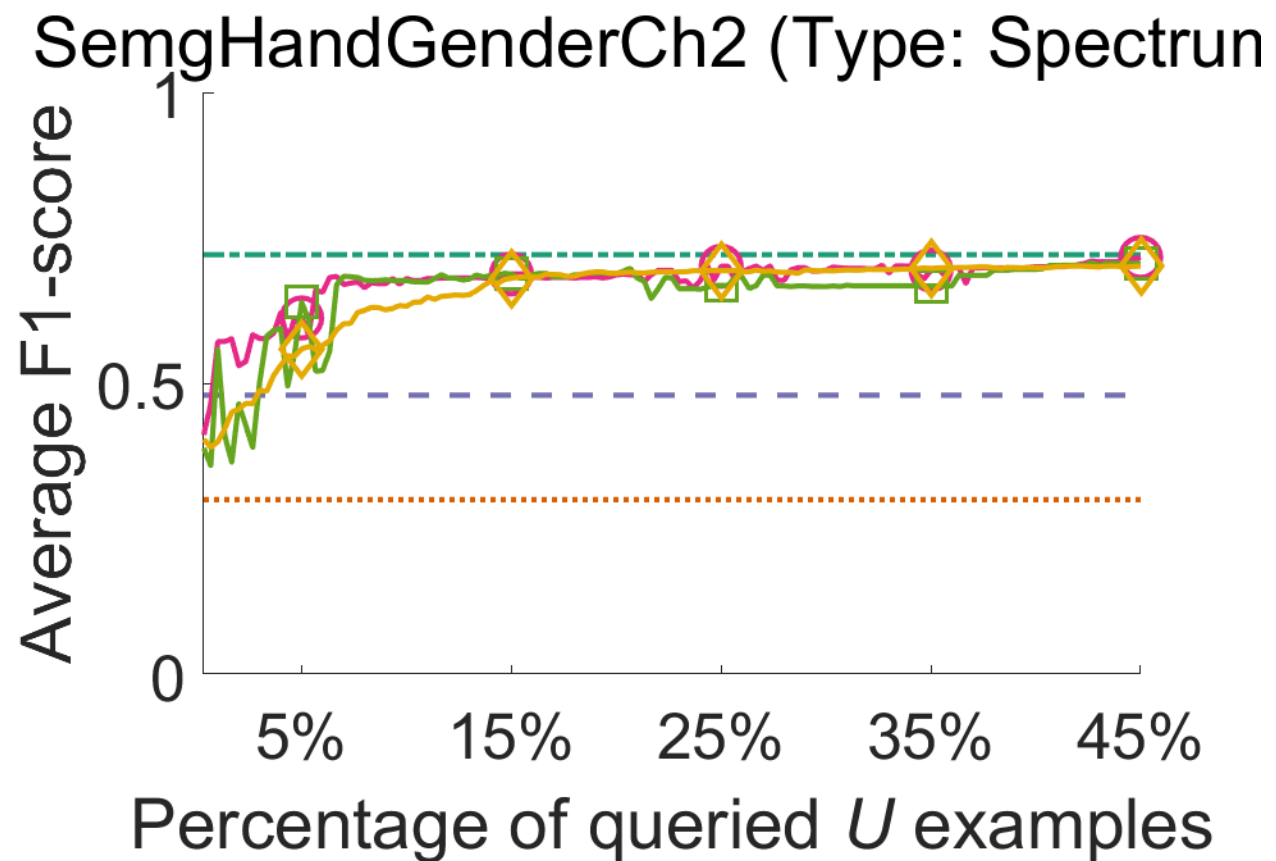
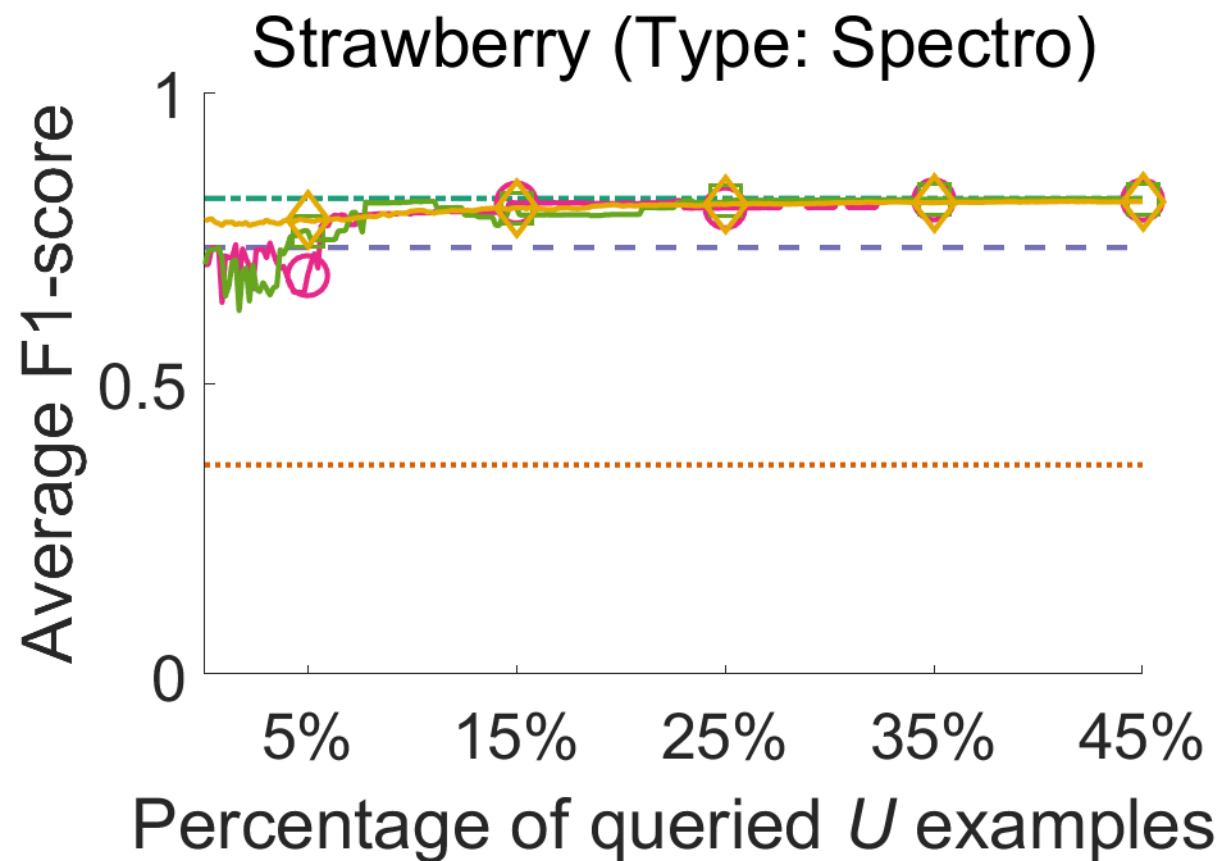
InsectEPGRegularTrain (Type: EPG)



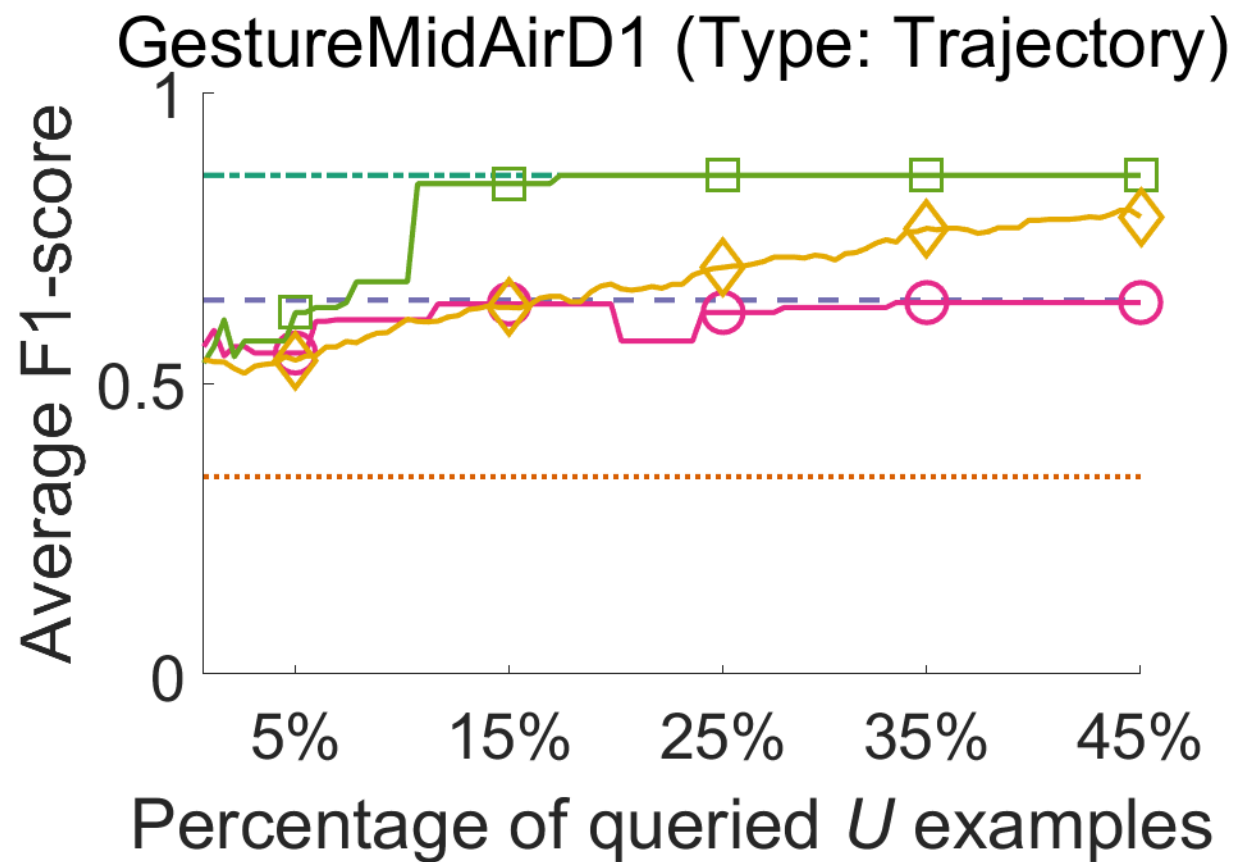
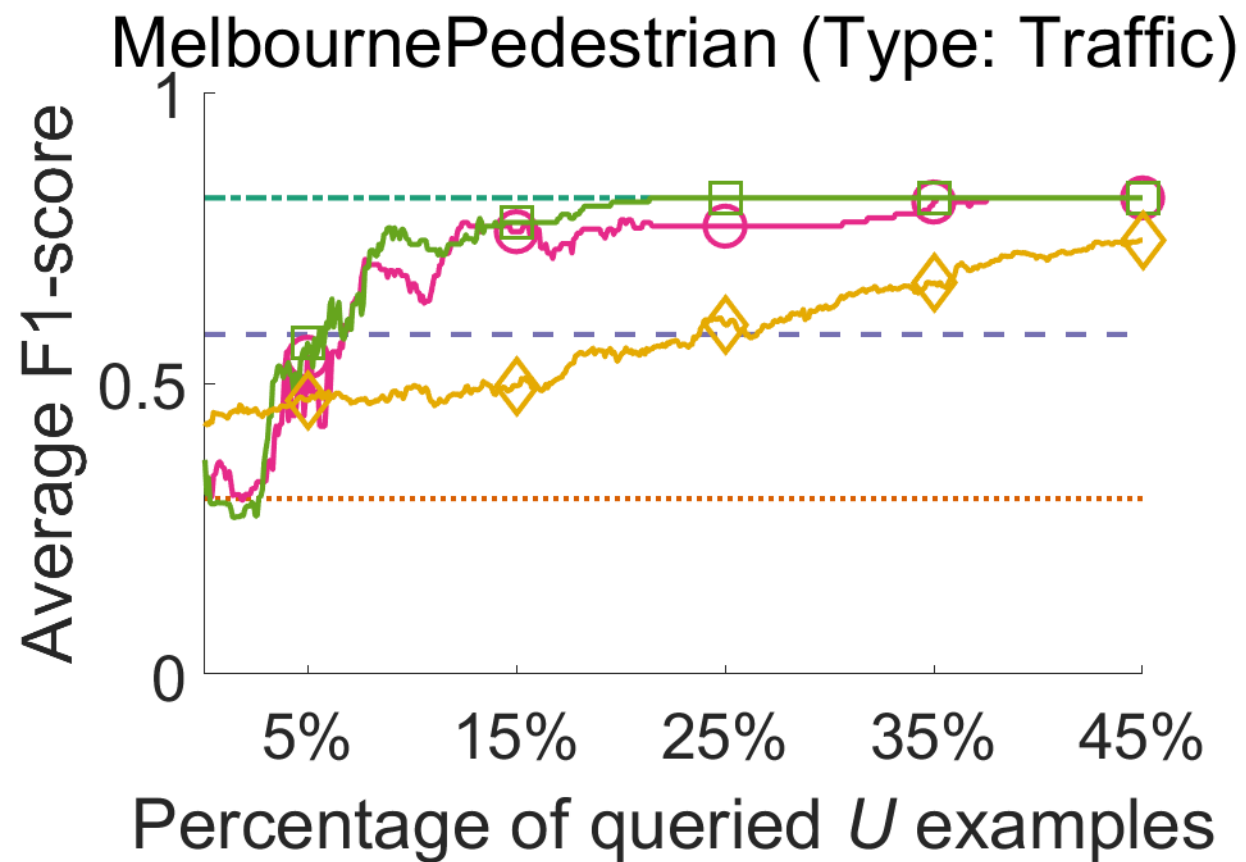












- The following slides correspond to Fig.11, 12, 14, 15 of the revised paper.

