

Table 1: Dataset Statistics: The term "market-number" indicates the percentage of unique items filtered out from the US market. Each column below represents the number of unique items in each respective target market.

	de-10	de-50	jp-10	jp-50	in-10	in-50	fr-10	fr-50	ca-10	ca-50	mx-10	mx-50	uk-10	uk-50
# items	463	1,019	187	420	100	224	401	849	1,238	2,535	356	740	682	1,472

Table 2: Dataset Statistics: The term "us-number" indicates the percentage of unique items filtered out from the US market. Each column below represents the number of existing data.

	us-0	us-10	us-50
# user	35,916	34,523	33,965
# items	31,125	28,012	15,562
# interaction	364,339	218,432	183,428

Table 3: Overall Performance Comparison Table. The subscript indicates the percentage of items filtered out from the US market. The term "Drop" represents the percentage of performance degradation.

	nDCG@10							HR@10						
	de	jp	in	fr	ca	mx	uk	de	jp	in	fr	ca	mx	uk
CAT-SR	0.6957	0.6620	0.6145	0.6442	0.4681	0.5338	0.6044	0.7605	0.7444	0.7348	0.7301	0.5754	0.6463	0.6869
CAT-SR ₁₀	0.6893	0.6560	0.6054	0.6325	0.4481	0.5320	0.5899	0.7514	0.7449	0.7207	0.7140	0.5631	0.6338	0.6721
Drop%	0.92%	0.91%	1.48%	1.82%	1.96%	0.34%	2.4%	1.20%	-	1.92%	2.20%	2.14%	1.93%	2.16%
CAT-SR ₅₀	0.6378	0.6214	0.5567	0.5957	0.4263	0.4996	0.5553	0.6972	0.6994	0.6784	0.6661	0.5295	0.6032	0.6488
Drop%	8.32%	6.14%	9.41%	7.53%	8.94%	6.34%	8.12%	8.32%	6.05%	7.67%	8.76%	7.98%	6.67%	5.54%