

Table 3. Comparison of CDR, the variants of CDR, and new baselines under cold-start scenarios.

Dataset	Method	R@10	R@20	R@30	N@10	N@20	N@30
Mafengwo (Group)	T-O						
	SGL(2021)	<u>0.1288</u>	0.2121	0.2626	0.0885	<u>0.1088</u>	<u>0.1212</u>
	SimGCL (2022)	0.1263	0.2096	0.2500	0.0522	0.0740	0.0840
	XSimGCL (2023)	0.0400	0.0643	0.0836	<u>0.0988</u>	0.0929	0.0928
	ALDI (2023)	0.1150	<u>0.2460</u>	<u>0.3203</u>	0.0554	0.0880	0.0999
	CDR-F	0.1954	0.2806	0.3238	0.1268	0.1493	0.1594
	Impro.	51.71%	14.07%	1.09%	28.34%	37.22%	31.52%
	T-O/M-O/T-M						
	ConsRec (2023)	<u>0.2312</u>	<u>0.3085</u>	<u>0.3487</u>	<u>0.1256</u>	<u>0.1449</u>	<u>0.1534</u>
	CDR	0.2694	0.3833	0.4309	0.1402	0.1715	0.1825
	Impro.	16.52%	24.25%	23.57%	11.62%	18.36%	18.97%
Youshu (Bundle)	T-O						
	BUIR	<u>0.0508</u>	<u>0.0785</u>	<u>0.1034</u>	<u>0.0363</u>	<u>0.0444</u>	<u>0.0510</u>
	SGL (2021)	0.0247	0.0411	0.0530	0.0202	0.0257	0.0299
	SimGCL (2022)	0.0313	0.0506	0.0602	0.0263	0.0322	0.0602
	XSimGCL (2023)	0.0349	0.0581	0.0734	0.0331	0.0401	0.0452
	ALDI (2023)	0.0228	0.0290	0.0612	0.0159	0.0179	0.0199
	CDR-F	0.0648	0.1000	0.1217	0.0398	0.0501	0.0563
	Impro.	27.41%	27.32%	17.78%	9.59%	12.74%	10.27%
	T-O/M-O/T-M						
	AGFN (2023)	<u>0.0626</u>	<u>0.0981</u>	<u>0.1247</u>	<u>0.0457</u>	<u>0.0565</u>	<u>0.0652</u>
	CDR	0.0903	0.1299	0.1520	0.0627	0.0744	0.0809
	Impro.	44.25%	32.42%	21.89%	37.20%	31.68%	24.08%