

Data set type	Data set	Link (https://tinyurl.com/)	Classification	Clustering	Link Prediction	Recommendation	Regression	Other	Input setting	Used by
Bookmarks	Del.icio.us [37]	delicious-db				✓			Het, NU	[138]
	CiteULike [37, 108]	citeulike-db				✓			Hom/Het, NU, MC	[53, 138]
Biology / Chemistry	CMP	pmh-data-ch				✓			Het, NU, D	[120]
	CTD [131]	ctd-data	✓						Het, NU	[81]
	Drug-Drug Interactions [5]	-			✓				Het, NU	[5]
	Drug-Target Interactions	dt-inter	✓		✓				Hom, NU, MC	[122]
	FAERS	drug-faers	✓		✓				Het, (N)U	[5, 49, 61, 104, 135, 139]
	iAF1260 [30]	iAF1260			✓				Het, NU, D	[124]
	iJO1366 [80]	iJO1366-ecoli			✓				Het, NU, D	[124]
	USPTO [57]	uspto-db			✓				Het, NU, D	[124]
Categorical	20newsgroup [59]	20newsgroup	✓	✓					Hom, NU	[2, 18, 85, 88, 110, 125]
	Cancer [95]	cancer-db		✓					Hom, NU	[69, 88]
	Chess [93]	chess-cat-db		✓					Hom, NU	[88]
	Congress [91]	congress-votes		✓					Hom, NU	[88]
	Covertypes [10]	covertypes	✓						Hom, NU	[85]
	Letter [32]	letterrecog	✓						Hom, NU	[85]
	Nursery [79]	nursery-db		✓					Hom, NU	[88]
	Scene [12]	scenedb	✓						Hom, NU, A	[96]
	Yeast [27]	yeastdataset	✓						Hom, NU, A	[96]
	Zoo [32]	zoodb	✓	✓					Hom, NU	[18, 85, 88, 125, 137]
Co-authorship / Co-citation	AMiner [102]	aminer-db	✓	✓					Het, NU	[21]
	ACM [113]	acm-data			✓				Het, NU	[36]
	DBLP* [34, 128]	dblp-net dblp-bip aminer-dblp	✓		✓	✓			Hom/Het, NU, MC	[3, 18, 26, 29, 36, 38, 39, 45, 46, 50, 97, 98, 101, 115, 123, 124]
	Cora* [92]	cora-cit-network cora-coauth	✓		✓				Hom/Het, NU, MC	[2, 3, 18, 31, 35, 36, 48, 50, 55, 82, 85, 97, 98, 115, 123, 125]
	Citeseer [87]	citeseer	✓						Hom, NU, MC	[2, 3, 18, 26, 33, 35, 48, 50, 55, 85, 115, 123, 125]
	PubMed* [92]	pubmed-db pb-diabetes	✓						Hom/Het, NU, MC	[2, 3, 18, 26, 31, 35, 48, 50, 82, 97, 123, 125]
	WebKB [23]	webkb-net	✓						Hom, NU	[85]
Purchase	Alibaba [122]	-	✓		✓				Hom/Het, (N)U, MC	[17, 122]
	Amazon* [64, 76, 128]	amazon-meta amzn-prod amzn-rev	✓		✓	✓			Hom/Het, (N)U, D, MC	[16, 17, 65, 85, 101, 110, 118, 122]
	Diginetica	diginetica				✓			Hom/Het, (N)U	[17, 25, 83, 111, 121]
	Tmall	tmall-ijcai15				✓			Hom/Het, NU	[83, 112, 119, 124]
	YooChoose [7]	yoochoose				✓			Hom, U, D	[25, 111]
GPS	GPS [136]	-	✓		✓				Hom/Het, (N)U	[49, 61, 104, 135, 139]
	Gowalla [19]	gowalla-db			✓				Hom, NU	[119]
Images	AR	ar-database						✓	Hom, NU, A	[51]
	Botswana	botswana-img	✓						Hom, NU, A, MC	[71, 74, 100, 132]
	FERET [84]	color-feret						✓	Hom, NU, A	[51]
	Houses	house-img	✓	✓					Hom, (N)U, Dir	[66, 86]
	Indian Pines [4]	indian-pines	✓						Hom, NU, A, MC	[70, 73, 74, 100, 132]
	JAFFE [24]	jaffe-db						✓	Hom, NU, A	[51]
	KSC	ksc-db-img	✓						Hom, NU, A, MC	[71, 73, 74]
	LFW-A [114]	lfw-db-img						✓	Hom, NU, A	[51]
	ModelNet40 [117]	modelnet40	✓						Hom/Het, NU, MC	[1, 18, 31, 35, 47, 48, 72, 77, 125]
	MS-COCO [67]	mscoco-db			✓				Hom, NU	[116]
	NUS-WIDE [22]	nus-wide-db	✓		✓				Het, NU	[20, 116]
	NTU [13]	http://3d.csie.ntu.edu.tw/	✓						Hom/Het, NU, MC	[1, 18, 31, 35, 47, 48, 72, 77, 125]
	ORL [89]	faces-ori						✓	Hom, NU, A	[51]
	Pascal VOC [28]	pascal-voc-2007	✓		✓				Hom, (N)U, Dir	[66, 116]
	Pavia University	pavia-uni	✓						Hom, NU, A, MC	[70, 74, 100]
	Visual Genome [62]	visual-genome			✓				Hom, NU	[116]
	Yale [6]	yale-faces-db-img						✓	Hom, NU, A	[51]
Miscellanea	ReVerb45k [106]	reverb45k			✓				Het, U, D	[124]
	HG data collection [8]	scholp-data			✓				Het, U, D	[94]
Movies	CAMRa2011*	CAMRa2011			✓				Hom/Het, NU	[54, 134]
	IMDB*	imdb-movie-db	✓		✓				Hom/Het, NU, MC	[29, 45, 46, 58, 115]
	LDOS-CoMoDa [78]	ldos-comoda				✓			Het, NU	[129]
	Micro-Video 1.7M [15]	micro-video				✓			Hom, NU, D	[43]
	MovieLens* [42]	movie-lens	✓		✓	✓			Hom/Het, (N)U, MC, D	[35, 43, 49, 53, 61, 68, 103, 104, 118, 135, 139]
Q&A	Yahoo* [60, 105]	yahoo-db	✓						Hom, NU, A	[96]
Review	Goodreads* [109, 110]	goodreads-db				✓			Het, NU, D	[65, 107, 110]
	Movie review	movie-reviews-db	✓						Het, NU	[110]
	Yelp*	yelp-db	✓		✓	✓			Hom/Het, NU	[16, 18, 29, 36, 38–41, 98, 118, 119, 130]
Social networks	Baidu (feed & news) [53]	-			✓				Hom, NU, MC	[53]
	Foursquare [126]	foursquare-net			✓	✓			Het, U	[52, 126, 127]
	Douban	douban-db			✓	✓			Hom/Het, (N)U, MC	[29, 40, 41, 44, 130, 134]
	Douban-Weibo [14]	-			✓				Hom, NU	[14]
	Facebook-Twitter [14]	-			✓				Hom, NU	[14]
	Friendster [128]	friendster-net			✓				Hom, NU	[101]
	LiveJournal [128]	livejournal-net			✓				Hom, NU	[101]
	MaFengWo	-				✓			Het, NU	[54]
	Sina	-	✓						Hom, NU, D	[99]
	Twitter	-	✓						Hom, NU, D	[99]
	YouTube [128]	youtube-net-comm			✓				Hom, NU	[101]
	Weeplace [90]	weeplace-sn				✓			Hom, NU	[134]
	Weibo	-			✓	✓			Hom, (N)U, D, MC	[44, 56]
Songs	#nowplaying [133]	nowplaying-db			✓				Hom, NU	[83, 121]
	Last.FM	last-fm-db			✓				Hom/Het, NU, MC	[68, 101, 103, 130]
	Spotify [9]	spotify-songs spotify-db			✓				Het, NU, Dir	[63, 107]
Text	Ohsumed Reuters	oh-r8-r52	✓						Het, NU	[110]
	wordnet [11, 75]	word-net	✓		✓				Het, (N)U	[49, 104, 135, 139]

Table 1. Most commonly used public datasets by the articles reviewed. Input setting: Hom/Het stands for homogeneous/heterogeneous, (N)U for (non-)uniform, MC for multi-channel, D for dynamic, and Dir for directed. The symbol * means that the specific dataset is available in multiple versions. † The NTU dataset is not reachable from our location.

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