

Algorithm	Year	Framework (pattern)	Approach	Window	Accuracy	# Citations
Lossy Counting [47]	2002	Support (FI)	Apriori	Landmark	False-positive	1863
FP-Stream [19]	2003	Support (FI)	FP-Growth	Titled	False-positive	773
estDec [8]	2003	Support (FI)	Apriori	Decay	False-positive	458
FDPM [61]	2004	Support (FI)	Apriori	Landmark	False-negative	222
DSM-FI [39]	2004	Support (FI)	Apriori	Landmark	False-positive	197
INSTANT [48]	2007	Support (MFI)	Apriori	Landmark	Exact	74
FUFP-Tree [24]	2008	Support (FI)	Apriori	Landmark	Exact	208
Pre-FUFP [43]	2009	Support (FI)	Apriori	Landmark	Exact	113
EstMax [58]	2009	Support (MFI)	Apriori	Decay	False-positive	31
CLICI [20]	2010	Support (CI)	Other	Decay	False-positive	22
TUF-Streaming [33]	2011	Uncertain (EFI)	FP-Growth	Decay	False-positive	49
GUIDE [54]	2012	Utility (HUI)	Other	Landmark	Approximative	77
FUP-HU [44]	2012	Utility (HUI)	Apriori	Landmark	Exact	104
UHS-Stream [22]	2013	Uncertain (EFI)	FP-Growth	Landmark	False-positive	21
TFUHS-Stream [22]	2013	Uncertain (EFI)	FP-Growth	Decay	False-positive	21
PRE-HUI [42]	2014	Utility (HUI)	Apriori	Landmark	Exact	41
HUPID [65]	2015	Utility (HUI)	FP-Growth	Landmark	Exact	68
HUI-LIST-INS [45]	2015	Utility (HUI)	Hybrid	Landmark	Exact	26
GENHUI [26]	2016	Utility (HUI)	FP-Growth	Decay	Exact	23
FCIMining [7]	2016	Support (CI)	FP-Growth	Decay	False-positive	11
TDUP [40]	2017	Support (FI)	Apriori	Landmark	False-positive	41
LIHUP [66]	2017	Utility (HUI)	Hybrid	Landmark	Exact	56
IMHAUI [27]	2017	Utility (HAUI)	FP-Growth	Landmark	Exact	20
MPM [63]	2018	Utility (HAUI)	FP-Growth	Decay	Exact	64
PIHUP [30]	2018	Utility (HUI)	Apriori	Landmark	Exact	16
IIHUM [64]	2019	Utility (HUI)	Hybrid	Landmark	Exact	18

Algorithm	Year	Framework (pattern)	Approach	Window	Accuracy	# Citations
Moment [12]	2004	Support (CI)	FP-Growth	FsW/TransSW	Exact	409
SWM [9]	2004	Support (FI)	Apriori	FsW/TransSW	False-positive	188
PFP [41]	2005	Support (FI)	Other	FsW/TimeSW	Approximative	185
DSTree [34]	2006	Support (FI)	FP-Growth	FsW/TransSW	Exact	212
CFI-Stream [25]	2006	Support (CI)	FP-Growth	FsW/TransSW	Exact	168
THUI-Mine [13]	2008	Utility (HUI)	Apriori	FsW/TransSW	Exact	192
MHUI [37]	2008	Utility (HUI)	Hybrid	FsW/TransSW	Exact	135
SWIM [49]	2008	Support (FI)	Other	FsW/TransSW	Exact	121
Incmine [11]	2008	Support (CI)	Apriori	FsW/TimeSW	False-positive	50
NewMoment [36]	2009	Support (CI)	FP-Growth	FsW/TransSW	Exact	75
CPS-tree [55]	2009	Support (FI)	FP-Growth	FsW/TransSW	Exact	166
IHUP [2]	2009	Utility (HUI)	FP-Growth	FsW/TransSW	Exact	618
MFI-TransSW [38]	2009	Support (FI)	Hybrid	FsW/TransSW	Exact	227
MFI-TimeSW [38]	2009	Support (FI)	Hybrid	FsW/TimeSW	Exact	227
UF-Streaming [32]	2009	Uncertain (EFI)	FP-Growth	FsW/TransSW	False-positive	122
SUF-Growth [32]	2011	Uncertain (EFI)	FP-Growth	FsW/TransSW	Exact	122
FCDT [28]	2009	Support (FI)	Other	VsW/TransSW	False-positive	16
Clostream [60]	2009	Support (CI)	Apriori	FsW/TransSW	Exact	46
VSW [16]	2012	Support (FI)	Other	VsW/TransSW	Exact	70
SWP-Tree [10]	2012	Support (FI)	FP-Growth	VsW/TransSW	False-positive	50
LDS [15]	2012	Support (FI)	Hybrid	FsW/TransSW	Exact	30
MAX-FISM [18]	2012	Support (MFI)	Apriori	FsW/TransSW	Exact	33
StreamFCI [56]	2012	Support (CI)	FP-Growth	FsW/TransSW	Exact	18
Tmoment [51]	2013	Support (CI)	FP-Growth	FsW/TransSW	Exact	72
pWin [17]	2013	Support (FI)	Apriori	FsW/TransSW	Approximative	16
FEMP [3]	2013	Uncertain (PFI)	Other	FsW/TransSW	Exact	6
UDS-FIM [29]	2014	Uncertain (EFI)	FP-Growth	FsW/TransSW	Exact	8
SHU-Growth [53]	2016	Utility (HUI)	FP-Growth	FsW/TransSW	Exact	64
SHAU [62]	2016	Utility (HAUI)	FP-Growth	FsW/TransSW	Exact	20

PFIMoS [35]	2018	Uncertain (PFI)	FP-Growth	FsW/TransSW	Exact	12
ConPatSet [50]	2018	Support (CI)	Apriori	FsW/TransSW	Exact	10
RMFIsM [6]	2019	Support (MFI)	Other	FsW/TransSW	Exact	3

Algorithm classes [references]	Data sets				Structures		Update		Steps				
	TS	SP	IP	Not (FP)	TR	LT	PT	PB	1	2	3	4	5
C1 [13]			1			1		1	1	1	1		1
C1 [44]			1			1		1	1	1	1		1
C2 [35]			1		1		1		1	1	1		1
C3 [48]			1	1		1	1		1	1	1		1
C3 [50]			1	1		1	1		1	1	1		1
C3 [60]			1	1		1	1		1	1	1		1
C4 [12]			1	1	1		1		1	1	1		1
C4 [25]			1	1	1		1		1	1	1		1
C4 [28]			1	1	1		1		1	1	1		1
C5 [7]			1	1	1		1		1	1	1	1	1
C5 [20]			1	1	1		1		1	1	1	1	1
C6 [40]		1	1			1		1	1	1	1		1
C6 [41]		1	1			1		1	1	1	1		1
C6 [42]		1	1			1		1	1	1	1		1
C7 [11]		1	1			1		1	1	1	1	1	1
C7 [61]		1	1			1		1	1	1	1	1	1
C8 [19]		1	1		1			1	1	1	1	1	1
C8 [22-UHS]		1	1		1			1	1	1	1	1	1
C8 [22-TFUHS]		1	1		1			1	1	1	1	1	1
C9 [32]		1	1		1			1	1	1	1		1
C9 [33]		1	1		1			1	1	1	1		1
C9 [47]		1	1		1			1	1	1	1		1
C10 [8]		1	1		1		1		1	1	1	1	1
C10 [58]		1	1		1		1		1	1	1	1	1
C11 [15]	1					1		1	1		1		1
C11 [38]	1					1		1	1		1		1
C11 [45]	1					1		1	1		1		1
C11 [66]	1					1		1	1		1		1

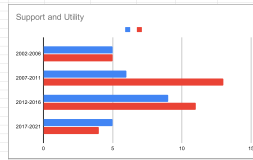
C12 [6]	1					1	1		1	1	1	
C12 [38]	1					1	1		1	1	1	
C12 [64]	1					1	1		1	1	1	
C13 [24]	1				1			1	1	1	1	
C13 [32]	1				1			1	1	1	1	
C13 [34]	1				1			1	1	1	1	
C13 [53]	1				1			1	1	1	1	
C13 [55]	1				1			1	1	1	1	
C13 [62]	1				1			1	1	1	1	
C14 [39]	1				1			1	1	1	1	
C15 [2]	1				1		1		1	1	1	
C15 [26]	1				1		1		1	1	1	
C15 [27]	1				1		1		1	1	1	
C16 [10]	1				1		1		1	1	1	
C16 [54]	1				1		1		1	1	1	
C17 [29]	1				1	1		1	1	1	1	
C18 [63]	1				1	1	1		1	1	1	
C18 [65]	1				1	1	1		1	1	1	
C19 [18]	1		1		1	1	1		1	1	1	
C19 [51]	1		1		1	1	1		1	1	1	
C20 [3]	1		1			1	1		1	1	1	
C21 [36]	1		1		1	1	1		1	1	1	
C21 [37]	1		1		1	1	1		1	1	1	
C21 [56]	1		1		1	1	1		1	1	1	
C22 [30]	1	1	1		1			1	1	1	1	
C23 [16]	1	1	1		1	1		1	1	1	1	
C23 [17]	1	1	1		1	1		1	1	1	1	
C23 [43]	1	1	1		1	1		1	1	1	1	
C23 [49]	1	1	1		1	1		1	1	1	1	
C24 [9]	1	1	1		1	1	1		1	1	1	

Total	34	19	36	10	40	31	28	30	58	36	58	12	58	
Total (c/C)	34	19	36	10	40	31	28	30	58	36	58	13	58	

[illegible]

[illegible]

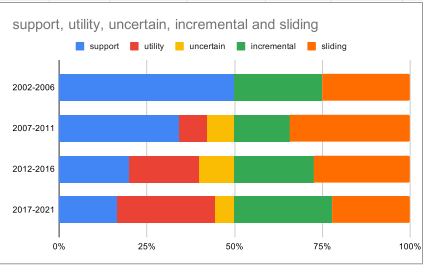




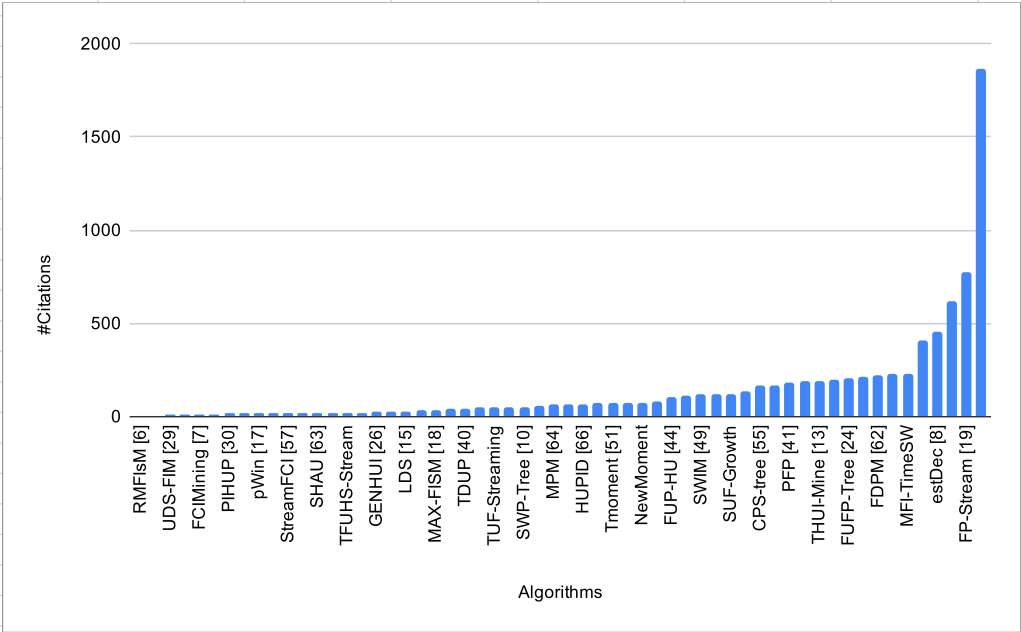
	Year=2002-2006	Year=2007-2011	Year=2012-2016	Year=2017-2021	EstSupport	EstUtility	EstUncertain	EstIncremental	EstSliding		2002EstSupport	2002EstUtility	2002EstUncertain	2002EstIncrement	2002EstSliding	2007EstSupport	2007EstUtility	2007EstUncertain	2007EstIncrement	2007EstSliding	2012EstSupport	2012EstUtility	2012EstUncertain	2012EstIncrement	2012EstSliding	2017EstSupport	2017EstUtility	2017EstUncertain	2017EstIncrement	2017EstSliding
Lossy Counting [47]	1				1			1			1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FP-Stream [19]	1				1			1			1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
estDec [8]	1				1			1			1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FDPM [61]	1				1			1			1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSM-FI [39]	1				1			1			1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INSTANT [48]		1			1			1			0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
FUPP-Tree [24]		1			1			1			0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Pre-FUPP [43]		1			1			1			0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
EstMax [58]		1			1			1			0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
CLUCI [20]		1			1			1			0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
TUF-Streaming [33]		1			1			1	1	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
GUIDE [54]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
FUP-HU [44]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
UHS-Stream [22]			1			1		1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
TFUHS-Stream [22]			1			1		1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
PRE-HUI [42]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
HUPID [65]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
HUI-LIST-INS [45]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
GENHUI [26]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
FCIMining [7]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
TDUP [40]				1	1			1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIHUP [66]				1	1			1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IIHAAU [27]				1	1			1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
MPAM [63]				1	1			1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
PIHUP [30]				1	1			1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
IIHUM [64]				1	1			1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Moment [12]	1				1			1		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SWM [9]	1				1			1		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFP [41]	1				1			1		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSTree [34]	1				1			1		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CFI-Stream [25]	1				1			1		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THUI-Mine [13]		1				1		1		1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
MHUI [37]		1				1		1		1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
SWIM [49]		1				1		1		1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Incmine [11]		1				1		1		1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
NewMoment [36]		1				1		1		1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
CPS-tree [35]		1				1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IHUP [2]		1				1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MFI-TransSW [38]		1				1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MFI-TimeSW [38]		1				1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UF-Streaming [32]		1				1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUF-Growth [32]		1				1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FCDT [28]		1				1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clostream [60]		1				1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VSW [16]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SWP-Tree [10]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDS [15]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAX-FISM [18]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
StreamFCI [56]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tmoment [51]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pWin [17]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEMP [3]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UDS-FIM [29]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHU-Growth [53]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHAU [62]			1			1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFIMoS [35]				1		1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ConPatSet [50]				1		1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RMFiM [6]				1		1		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	10	19	20		9	34	16	8	25	33	10	0	0	5	5	13	3	3	6	13	8	8	4	9	11	3	5	1	5	0

2002-2006  
2007-2011  
2012-2016  
2017-2021

Mining Framework			Windows Model		
support	utility	uncertain	incremental	sliding	
10	0	0	5	5	
13	3	3	6	13	
8	8	4	9	11	
3	5	1	5	4	



#Citations	Algorithms	
3	RMFIsm [6]	Publié >0 & < 15
6	FEMP [3]	Connu >15 & < 31
8	UDS-FIM [29]	Très connu >30 & <101
10	ConPatSet [50]	Populaire >100 & <301
11	FCIMining [7]	Très populaire >400 & <1601
12	PFIMoS [35]	Exceptionnel >1600
16	PIHUP [30]	
16	FCDT [28]	
16	pWin [17]	
18	IIHUM [65]	
18	StreamFCI [57]	
20	IMHAUI [27]	
20	SHAU [63]	
21	UHS-Stream [22]	
21	TFUHS-Stream [22]	
22	CLICI [20]	
23	GENHUI [26]	
26	HUI-LIST-INS [45]	
30	LDS [15]	
31	EstMax [59]	
33	MAX-FISM [18]	
41	PRE-HUI [42]	
41	TDUP [40]	
46	Clostream [61]	
49	TUF-Streaming [33]	
50	Incmine [11]	
50	SWP-Tree [10]	
56	LIHUP [67]	
64	MPM [64]	
64	SHU-Growth [53]	
68	HUPID [66]	
70	VSW [16]	
72	Tmoment [51]	
74	INSTANT [48]	
75	NewMoment [36]	
77	GUIDE [54]	
104	FUP-HU [44]	
113	Pre-FUFP [43]	
121	SWIM [49]	
122	UF-Streaming [32]	
122	SUF-Growth [32]	



135	MHUI [37]								
166	CPS-tree [55]								
168	CFI-Stream [25]								
185	PFP [41]								
188	SWM [9]								
192	THUI-Mine [13]								
197	DSM-FI [39]								
208	FUFP-Tree [24]								
212	DSTree [34]								
222	FDPM [62]								
227	MFI-TransSW [38]								
227	MFI-TimeSW [38]								
409	Moment [12]								
458	estDec [8]								
618	IHUP [2]								
773	FP-Stream [19]								
1863	Lossy Counting [47]								