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	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	1
C16 [54]	1				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	1		1
C19 [51]	1		1	1	1	1	1		1	1	1		1
C20 [3]	1		1			1	1		1	1	1		1
C21 [36]	1		1		1	1	1		1	1	1		1
C21 [37]	1		1		1	1	1		1	1	1		1
C21 [56]	1		1		1	1	1		1	1	1		1
C22 [30]	1	1	1		1			1	1	1	1		1
C23 [16]	1	1	1		1	1		1	1	1	1		1
C23 [17]	1	1	1		1	1		1	1	1	1		1
C23 [43]	1	1	1		1	1		1	1	1	1		1
C23 [49]	1	1	1		1	1		1	1	1	1		1
C24 [9]	1	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	

	Attributs du tableau 1 & 2													
Objects \ Attributes	Year=2002-2006	Year=2007-2011	Year=2012-2016	Year=2017-2021	FWK/Pattern=Support (CI)	FWK/Pattern=Support (FI)	FWK/Pattern=Support (MFI)	FWK/Pattern=Uncertain (EFI)	FWK/Pattern=Uncertain (PFI)	FWK/Pattern=Utility (HAUI)	FWK/Pattern=Utility (HUI)	EstSupport	EstUtility	EstUncertain
Lossy Counting [47]	1					1						1		
FP-Stream [19]	1					1						1		
estDec [8]	1					1						1		
FDPM [61]	1					1						1		
DSM-FI [39]	1					1						1		
INSTANT [48]		1					1					1		
FUFP-Tree [24]		1				1						1		
Pre-FUFP [43]		1				1						1		
EstMax [58]		1					1					1		
CLICI [20]		1			1							1		
TUF-Streaming [33]		1						1						1
GUIDE [54]			1								1		1	
FUP-HU [44]			1								1		1	
UHS-Stream [22]			1					1						1
TFUHS-Stream [22]			1					1						1
PRE-HUI [42]			1								1		1	
HUPID [65]			1								1		1	
HUI-LIST-INS [45]			1								1		1	
GENHUI [26]			1								1		1	
FCIMining [7]			1		1							1		
TDUP [40]				1		1						1		
LIHUP [66]				1							1		1	
IMHAUI [27]				1						1			1	
MPM [63]				1						1			1	
PIHUP [30]				1							1		1	
IIHUM [64]				1							1		1	
Moment [12]	1				1							1		
SWM [9]	1					1						1		
PFP [41]	1					1						1		
DSTree [34]	1					1						1		
CFI-Stream [25]	1				1							1		
THUI-Mine [13]		1									1		1	
MHUI [37]		1									1		1	
SWIM [49]		1				1						1		
Incmine [11]		1			1							1		
NewMoment [36]		1			1							1		
CPS-tree [55]		1				1						1		
IHUP [2]		1									1		1	
MFI-TransSW [38]		1				1						1		
MFI-TimeSW [38]		1				1						1		
UF-Streaming [32]		1						1						1
SUF-Growth [32]		1						1						1
FCDT [28]		1				1						1		
Clostream [60]		1			1							1		
VSW [16]			1			1						1		
SWP-Tree [10]			1			1						1		
LDS [15]			1			1						1		
MAX-FISM [18]			1				1					1		
StreamFCI [56]			1		1							1		
Tmoment [51]			1		1							1		
pWin [17]			1			1						1		
FEMP [3]			1						1					1
UDS-FIM [29]			1					1						1
SHU-Growth [53]			1								1		1	
SHAU [62]			1							1			1	
PFIMoS [35]				1					1					1
ConPatSet [50]				1	1							1		
RMFIsM [6]				1			1					1		
Total	10	19	20	9	10	20	4	6	2	3	13			
Total c/C														

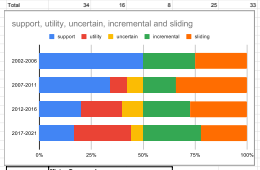
	Attributs du tableau 1 & 2																					
Objects \ Attributes	Approach=Apriori	Approach=FP-Growth	Approach=Hybrid	Approach=Other	Window=Decay	Window=Landmark	Window=Titled	Window=FsW/TimeSW	Window=FsW/TransSW	Window=VsW/TransSW	EstIncremental	EstSliding	Accuracy=Exact	Accuracy=False-negative	Accuracy=False-positive	Accuracy=Approximative	#Citations=Publié >0 & < 15	#Citations=Connu >15 & < 31	#Citations=Très connu >30 & <101	#Citations=Populaire >100 & <301	#Citations=Très populaire >400 & <1601	#Citations=Exceptionnel >1600
Lossy Counting [47]	1					1					1				1							1
FP-Stream [19]		1					1				1				1						1	
estDec [8]	1					1					1				1						1	
FDPM [61]	1					1					1			1						1		
DSM-FI [39]	1					1					1				1					1		
INSTANT [48]	1					1					1		1						1			
FUFP-Tree [24]	1					1					1		1							1		
Pre-FUFP [43]	1				1						1		1							1		
EstMax [58]	1				1						1				1				1			
CLICI [20]				1	1						1				1			1				
TUF-Streaming [33]		1				1					1				1				1			
GUIDE [54]				1		1					1					1			1			
FUP-HU [44]	1					1					1		1							1		
UHS-Stream [22]		1			1						1				1			1				
TFUHS-Stream [22]		1				1					1				1			1				
PRE-HUI [42]	1					1					1		1						1			
HUPID [65]		1				1					1		1						1			
HUI-LIST-INS [45]			1		1						1		1					1				
GENHUI [26]		1			1						1		1					1				
FCIMining [7]		1				1					1				1		1					
TDUP [40]	1					1					1				1				1			
LIHUP [66]			1			1					1		1						1			
IMHAUI [27]		1			1						1		1					1				
MPM [63]		1				1					1		1						1			
PIHUP [30]	1					1					1		1					1				
IIHUM [64]			1						1			1	1					1				
Moment [12]		1							1			1	1								1	
SWM [9]	1							1				1			1					1		
PFP [41]				1					1			1				1				1		
DSTree [34]		1							1			1	1							1		
CFI-Stream [25]		1							1			1	1							1		
THUI-Mine [13]	1								1			1	1							1		
MHUI [37]			1						1			1	1							1		
SWIM [49]				1				1				1	1							1		
Incmine [11]	1								1			1			1				1			
NewMoment [36]		1							1			1	1						1			
CPS-tree [55]		1							1			1	1							1		
IHUP [2]		1							1			1	1								1	
MFI-TransSW [38]			1					1				1	1							1		
MFI-TimeSW [38]			1							1		1	1							1		
UF-Streaming [32]		1								1		1			1					1		
SUF-Growth [32]		1							1			1	1							1		
FCDT [28]				1						1		1			1			1				
Clostream [60]	1								1			1	1						1			
VSW [16]				1					1			1	1						1			
SWP-Tree [10]		1							1			1			1				1			
LDS [15]			1						1			1	1					1				
MAX-FISM [18]	1								1			1	1						1			
StreamFCI [56]		1							1			1	1					1				
Tmoment [51]		1							1			1	1						1			
pWin [17]	1								1			1				1		1				
FEMP [3]				1					1			1	1				1					
UDS-FIM [29]		1							1			1	1				1					
SHU-Growth [53]		1							1			1	1						1			
SHAU [62]		1							1			1	1					1				
PFIMoS [35]		1							1			1	1				1					
ConPatSet [50]	1								1			1	1				1					
RMFIsM [6]				1					1			1	1				1					
Total	19	24	7	8	7	17	1	3	27	3			38	1	16	3	6	13	17	17	4	1
Total c/C																						

	Attributs du tableau 3												
Objects \ Attributes	DataSets=TS	DataSets=SP	DataSets=IP	DataSets=Not (FP)	Structures=TR	Structures=LT	Update=PT	Update=PB	Steps=1	Steps=2	Steps=3	Steps=4	Steps=5
Lossy Counting [47]		1	1		1			1	1	1	1		1
FP-Stream [19]		1	1		1			1	1	1	1	1	1
estDec [8]		1	1		1		1		1	1	1	1	1
FDPM [61]		1	1			1		1	1	1	1	1	1
DSM-FI [39]	1				1			1	1		1	1	1
INSTANT [48]			1	1		1	1		1	1	1		1
FUFP-Tree [24]	1				1			1	1		1		1
Pre-FUFP [43]	1	1	1		1	1		1	1	1	1		1
EstMax [58]		1	1		1		1		1	1	1	1	1
CLICI [20]			1	1	1		1		1	1	1	1	1
TUF-Streaming [33]		1	1		1			1	1	1	1		1
GUIDE [54]	1				1		1		1		1	1	1
FUP-HU [44]			1			1		1	1	1	1		1
UHS-Stream [22]		1	1		1			1	1	1	1	1	1
TFUHS-Stream [22]		1	1		1			1	1	1	1	1	1
PRE-HUI [42]		1	1			1		1	1	1	1		1
HUPID [65]	1				1	1	1		1		1		1
HUI-LIST-INS [45]	1					1		1	1		1		1
GENHUI [26]	1				1		1		1		1		1
FCIMining [7]			1	1	1		1		1	1	1	1	1
TDUP [40]		1	1			1		1	1	1	1		1
LIHUP [66]	1					1		1	1		1		1
IMHAUI [27]	1				1		1		1		1		1
MPM [63]	1				1	1	1		1		1		1
PIHUP [30]	1	1	1		1			1	1	1	1		1
IIHUM [64]	1					1	1		1		1		1
Moment [12]			1	1	1		1		1	1	1		1
SWM [9]	1	1	1		1	1	1		1	1	1		1
PFP [41]		1	1			1		1	1	1	1		1
DSTree [34]	1				1			1	1		1		1
CFI-Stream [25]			1	1	1		1		1	1	1		1
THUI-Mine [13]			1			1		1	1	1	1		1
MHUI [37]	1		1		1	1	1		1	1	1		1
SWIM [49]	1	1	1		1	1		1	1	1	1		1
Incmine [11]		1	1			1		1	1	1	1	1	1
NewMoment [36]	1		1		1	1	1		1	1	1		1
CPS-tree [55]	1				1			1	1		1		1
IHUP [2]	1				1		1		1		1		1
MFI-TransSW [38]	1					1	1		1		1		1
MFI-TimeSW [38]	1					1		1	1		1		1
UF-Streaming [32]	1				1			1	1		1		1
SUF-Growth [32]		1	1		1			1	1	1	1		1
FCDT [28]			1	1	1		1		1	1	1		1
Clostream [60]			1	1		1	1		1	1	1		1
VSW [16]	1	1	1		1	1		1	1	1	1		1
SWP-Tree [10]	1				1		1		1		1	1	1
LDS [15]	1					1		1	1		1		1
MAX-FISM [18]	1		1	1	1	1	1		1	1	1		1
StreamFCI [56]	1		1		1	1	1		1	1	1		1
Tmoment [51]	1		1	1	1	1	1		1	1	1		1
pWin [17]	1	1	1		1	1		1	1	1	1		1
FEMP [3]	1		1			1	1		1	1	1		1
UDS-FIM [29]	1				1	1		1	1		1		1
SHU-Growth [53]	1				1			1	1		1		1
SHAU [62]	1				1			1	1		1		1
PFIMoS [35]			1		1		1		1	1	1		1
ConPatSet [50]			1	1		1	1		1	1	1		1
RMFIsM [6]	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	12	58

	Year=2002-2006	Year=2007-2011	Year=2012-2016	Year=2017-2021	EstSupport	EstUtility	EstUncertain	EstIncremental	EstSliding	Approach=Apriori	Approach=FP-Growth	Approach=Hybrid	Approach=Other
Lossy Counting [47]	1				1			1		1			
FP-Stream [19]	1				1			1			1		
estDec [8]	1				1			1		1			
FDPM [61]	1				1			1		1			
DSM-FI [39]	1				1			1		1			
INSTANT [48]		1			1			1		1			
FUFP-Tree [24]		1			1			1		1			
Pre-FUFP [43]		1			1			1		1			
EstMax [58]		1			1			1		1			
CLICI [20]		1			1			1					1
TUF-Streaming [33]		1					1	1			1		
GUIDE [54]			1			1		1					1
FUP-HU [44]			1			1		1		1			
UHS-Stream [22]			1				1	1			1		
TFUHS-Stream [22]			1				1	1			1		
PRE-HUI [42]			1			1		1		1			
HUPID [65]			1			1		1			1		
HUI-LIST-INS [45]			1			1		1				1	
GENHUI [26]			1			1		1			1		
FCIMining [7]			1		1			1			1		
TDUP [40]				1	1			1		1			
LIHUP [66]				1		1		1				1	
IMHAUI [27]				1		1		1			1		
MPM [63]				1		1		1			1		
PIHUP [30]				1		1		1		1			
IIHUM [64]				1		1			1			1	
Moment [12]	1				1				1		1		
SWM [9]	1				1				1	1			
PFP [41]	1				1				1				1
DSTree [34]	1				1				1		1		
CFI-Stream [25]	1				1				1		1		
THUI-Mine [13]		1				1			1	1			
MHUI [37]		1				1			1			1	
SWIM [49]		1			1				1				1
Incmine [11]		1			1				1	1			
NewMoment [36]		1			1				1		1		
CPS-tree [55]		1			1				1		1		
IHUP [2]		1				1			1		1		
MFI-TransSW [38]		1			1				1			1	
MFI-TimeSW [38]		1			1				1			1	
UF-Streaming [32]		1					1		1		1		
SUF-Growth [32]		1					1		1		1		
FCDT [28]		1			1				1				1
Clostream [60]		1			1				1	1			
VSW [16]			1		1				1				1
SWP-Tree [10]			1		1				1		1		
LDS [15]			1		1				1			1	
MAX-FISM [18]			1		1				1	1			
StreamFCI [56]			1		1				1		1		
Tmoment [51]			1		1				1		1		
pWin [17]			1		1				1	1			
FEMP [3]			1				1		1				1
UDS-FIM [29]			1				1		1		1		
SHU-Growth [53]			1			1			1		1		
SHAU [62]			1			1			1		1		
PFIMoS [35]				1			1		1		1		
ConPatSet [50]				1	1				1	1			
RMFIsM [6]				1	1				1				1
Total	10	19	20	9	34	16	8	25	33		24	7	8
Total c/C													

	2002EstSupport	2002EstUtilty	2002estUncertain	2002estIncrement	2002estSliding	2007EstSupport	2007EstUtilty	2007estUncertain	2007estIncrement	2007estSliding	2012EstSupport	2012EstUtilty	2012estUncertain	2012estIncrement	2012estSliding	2017EstSupport	2017EstUtilty	2017estUncertain	2017estIncrement	2017estSliding	2002 Apriori	2002 FP-Growt	2002 Hybrid	2002 Other	2007 Apriori	2007 FP-Growt	2007 Hybrid	2007 Other	2012 Apriori	2012 FP-Growt	2012 Hybrid	2012 Other	2017 Apriori	2017 FP-Growt	2017 Hybrid	2017 Other
Lossy Counting [47]	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FP-Stream [19]	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
estDec [8]	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FDPM [61]	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSM-FI [39]	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INSTANT [48]	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
FUFP-Tree [24]	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Pre-FUFP [43]	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
EstMax [58]	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
CLICI [20]	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
TUF-Streaming [33]	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
GUIDE [54]	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
FUP-HU [44]	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
UHS-Stream [22]	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
TFUHS-Stream [22]	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
PRE-HUI [42]	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
HUPID [65]	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
HUI-LIST-INS [45]	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
GENHUI [26]	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
FCIMining [7]	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
TDUP [40]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
LIHUP [66]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
IMHAUI [27]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MPM [63]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
PIHUP [30]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
IIHUM [64]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Moment [12]	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SWM [9]	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFP [41]	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
DSTree [34]	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CFI-Stream [25]	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THUI-Mine [13]	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MHUI [37]	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
SWIM [49]	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Incmine [11]	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
NewMoment [36]	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
CPS-tree [55]	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
IHUP [2]	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
MFI-TransSW [38]	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
MFI-TimeSW [38]	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
UF-Streaming [32]	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
SUF-Growth [32]	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
FCDT [28]	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Clostream [60]	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
VSW [16]	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
SWP-Tree [10]	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
LDS [15]	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
MAX-FISM [18]	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
StreamFCI [56]	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Tmoment [51]	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
pWin [17]	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
FEMP [3]	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
UDS-FIM [29]	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
SHU-Growth [53]	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
SHAU [62]	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
PFIMoS [35]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
ConPatSet [50]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
RMFIsM [6]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	10	0	0	5	5	13	3	3	6	13	8	8	4	9	11	3	5	1	5	4	5	4	0	1	7	6	3	3	4	11	2	3	3	3	2	1

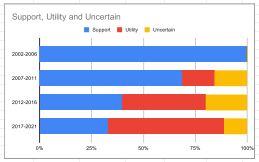
	Mining Framework			Window Model		Approach						
	support	utility	uncertain	incremental	sliding	**Apriori**	**FP-Growth**	**Hybrid**	**Other**			
2002-2006	10	0	0	5	5	**5**	**4**	**0**	**1**	10	10	10
2007-2011	13	3	3	6	13	7	6	3	3	19	19	19
2012-2016	8	8	4	9	11	4	11	2	3	20	20	20
2017-2021	3	5	1	5	4	3	3	2	1	9	9	9
Total	34	16	8	25	33	19	24	7	8			

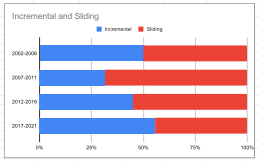


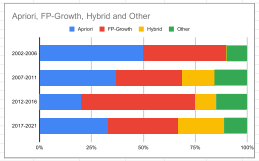
	Mining Framework		
	Support	**Utility**	**Uncertain**
2002-2006	10	0	0
2007-2011	13	3	3
2012-2016	8	8	4
2017-2021	3	5	1

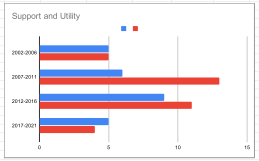
	Window Model	
	Incremental	**Sliding**
2002-2006	5	5
2007-2011	6	13
2012-2016	9	11
2017-2021	5	4

	Apriori	**FP-Growth**	**Hybrid**	**Other**
2002-2006	5	4	0	1
2007-2011	7	6	3	3
2012-2016	4	11	2	3
2017-2021	3	3	2	1

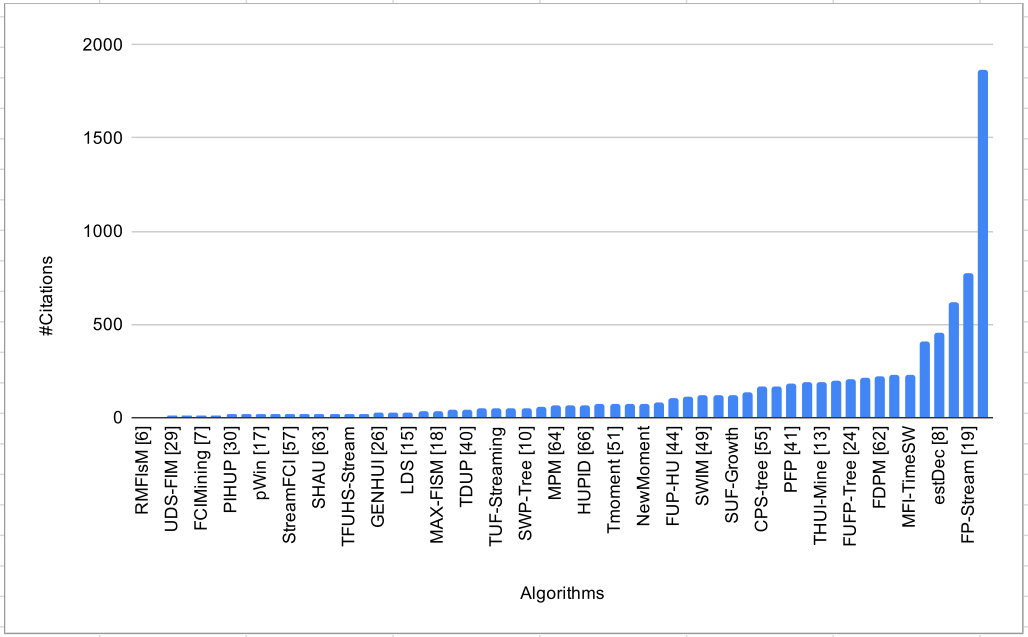







Support and Utility
2002-2006
2007-2011
2012-2016
2017-2021
0
5
10
15

#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]