id	Pha	ses/categories							
			identifier	CSF's/challenges (literature)	Description Access to contextual information such as process models,	sources	Input (Requirements)	Outout	Possible Al-tools
					Access to contextual information such as process models,				
			1.1		business rules, policy documents, legal and regulatory requirements that can aid process mining (Mans et al., Mamudu				
				Availability of contextual information	and Bandara). Identifying questions or project goal(s), selecting business	Mans et al., Mamudu and Bandara	_		
					Identifying questions or project goal(s), selecting business processes to be mined and composing the project team to				
			1.2		processes to be mined and composing the project team to execute process mining initiatives (Mamudu ad Bandara).				
			1.4		It is unclear what process properties are important (Grisold et				
				Planning (Process selection)	at.)	Mamudu and Bandara, Grisold et al.			
	-						Process models, business rules, policy documents, legal and	salerted husiness revess common project from review	manual task. But "random" Proess Analyses, like with the Proactive I
1	Define	Define research question			The composition of teams and expert groups involved in process mining projects. Two main configurations namely: Established units: An internal team dedicated to ex-excling process mining initiatives. E.g., a Centre of Excellence (CoE). Ad-hoc units: A		regulatory requirements, possible projectleam-members	selected business process, composed project team, project goals, defined questions	Engine (Veit et al.), may result in (new) research questions.
					units: An internal team dedicated to ex-ecuting process mining				
					initiatives. E.g., a Centre of Excellence (CoE). Ad-hoc units: A				
			1.3	Team configuration	initiatives. E.g., a Centre of Excellence (CcE). Ad-hoc units: A group of experts assembled from dif-ferent departments within the organisation to execute process mining projects as and when required (Marmudu and Bandara).	4			
			1.0	Team coniguration	required (Mamudu and Bandara).				
i l					Lack of interdisciplinary and cross-functional teams: PM suffers from a lack of interdisciplinary and cross-functional teams covering sportners; IT, and data specialist as well as business users and project managers (Martin et al.)				
					covering sponsors, IT, and data specialists as well as business				
					users and project managers (Martin et al.)	Mamudu and Bandara, Martin et al.			
<del>-</del>									
					The extent to which historical event data is available for process				I
					mining analysis (Mamudu and Bandara).				
					Constraining data across harriers: Limited data across across				
					departmental and organizational boundaries restricts PM (Martin				
					departmental and organizational boundaries restricts PM (Martin et al.)				
					The availability of event data needed for PM is limited (Martin at				
					The availability of event data needed for PM is limited (Martin et al.)		process description, hosted system & disclasses, distalace, distalace, disconnectation, which historical owerlinds are available.		
			2.1	Event data availability		.[			
					Restricting data privacy regulations: Compliance with data privacy and security regulations limits the detail of what can be discovere and analyzed through PM (Martin et al.)	4			
					and analyzed through PM (Martin et al.)				
					Difficult handling of unstructured data: PM provides limited support				
,		Nata collection			for exploiting unstructured data that is not available in activity- based semantics or even format (Martin et al.).			access to the databases, data privacy regulations clarified, raw data exported, conceptual data model	Database crawler to find the belonging databases-, tables and en
		man conscisor			Disease semantics or even format (Martin et al.).				Database crawler to first the belonging databases: tables and erric Apache OpenNLP, Web Scraping Applications,
					There is an asymetry in terms of the permission to access and use of relevant data (Grisold et al.).				
					use of relevant data (Grisold et al.).				
					Delays can occur due to data access, which is often tied to				
					organizational barriers (Grisold et al.).				
					The required data analytics expertise for the extraction and	Mamudu and Bandara, Martin et al., Grisold et al.			
					into requires state analysiss experies to the terrandom and integration of event data for process mining (Marmadu and Bandara).				
1			2.2	L					
1			22	Data extraction expertise	Teams who are responsible for data integration often have	Mamudu and Bandara, Grisold et al.			
					difficulties to obtain the data since they are not involved in the				
					decision-making (Grisold et al.).  Determining the data extraction scope, extracting event data, and	mamuou ano bandana, Grisold et al.	1		
			2.3	Extraction	transferring process knowledge be-tween business experts and process analysts (Marrudu and Bandara).	Mamudu and Bandara			
-				1	In maryon (manipul and bandara).	process and demand	l .		
					Provisions for the extraction and preparation of event data from				
					single or multiple sources for process min-ing based on lessons learnt (Mamudu and Bandara).				
					learnt (Mamudu and Bandara).				
1 1			3.1	Data preprocessing	Complex data preparation: Substantial effort is required for data				
1 1				1	extraction and pre-processing (Martin et al.)				
3	Down	a pre-processing			There are data fractions when process run on different systems		emorted raw data	filtered event-log based on the research questions	Automated Event-log creation (López de Murillas et al.), PM4KNME (Kourani et al.)
3	Liati			4	(Grisold et al.)	Mamudu and Bandara, Martin et al.	exported raw data	arres event-rog seems on the research questions	PM4KNME (Kourani et al.)
						Martico and Bardera, Martin St. at.	1		
				me me	The data quality considerations and minimum requirements to be				
					The data quality considerations and minimum requirements to be met by event logs for process mining (Mans et al., Mamudu and				
			3.2	Event-log quality considerations	Bandara).				
			3.2	Event-log quality considerations	Bandara).  Source or event data are often in accurate, noisy, and/or				
			3.2	Event-log quality considerations	Bandara).  Source or event data are often in accurate, noisy, and/or incomplete (Martin et al.)	Mans et al., Mamudu and Bandara, Martin et al.			
			3.2	Evert-log quality considerations	Bandana).  Source or event data are often in accurate, noisy, and/or incomplete (Martin et al.)  (Applying process mining scotniques to answer queel-tions and gain	Mans et al., Mamudu and Bandera, Martin et al.			
			3.2	Event-log quality considerations	Bandara). Source overt data are often in accurate, noisy, and/or incomplete (Martin et al.)  Applying process manag lactreques to answer questions and gas noights (Mans et al.).	Marris et al., Marmudu and Bendara, Martin et at.			
				Evert-tog quality considerations	Bandara). Source overt data are often in accurate, noisy, and/or incomplete (Martin et al.)  Applying process manag lactreques to answer questions and gas noights (Mans et al.).	Mars et al., Marrudu and Bandara, Martin et al.			
			3.2	Everf-tog quality considerations	Bandara). Source overt data are often in accurate, noisy, and/or incomplete (Martin et al.)  Applying process manag lactreques to answer questions and gas noights (Mans et al.).	Mario et al., Memoshy and Bandara, Martin et al.			
				Evert-bg quality considerations	Bandara). Source or event data are often in accurate, noisy, ancitor accurate accur	More et al., Mamuslu and Sandara, Martin et al.			
					Bandara). Gaze or overt data are often in accurate, noisy, and/or incomplete (Martin et al.)  Appropriate process minery scrimpass to answer quantons and gaze lengths (Martin et al.)  Insufficient technical skills: The lack of sufficient training in technical skills required in implement PMI decliminated to setting up and conducting PMI (Martin et al.)				
				Ever-tog quality considerations  Mong and Analysis	Banderso; Source or word data are offisis in source see, noisy, and/or sourcepies (Martin et al.)  The physical process and source open consistent and gas- resigns (Martin et al.)  The physical process are obtained or source open consistent and gas- resigns (Martin et al.)  The physical physic	Marro et al., Martin et al., Grisold et al.			
					Banderso; Source or word data are offisis in source see, noisy, and/or sourcepies (Martin et al.)  The physical process and source open consistent and gas- resigns (Martin et al.)  The physical process are obtained or source open consistent and gas- resigns (Martin et al.)  The physical physic	Marro et al., Martin et al., Grisold et al.			
			4.1		Bandwid, Scare or word data are offen in scareta, resp, and/or screeping (Bertier et al.). Lapping process memory betroppen to answer specification and gas scaping (Bertier et al.). Another schematical with. The last of a sifficient schematic participation of the scareta schematic participation of scareta schematic participation of participation of the schematic participation of participation of	Marro et al., Martin et al., Grisold et al.			
		General			Bandwidg. Schore or word data are offen in scorate, roop, and/or scorate (see a see	Marro et al., Martin et al., Grisold et al.			
		General	4.1	Morey and Anahyab	Bandwid, Scare or word data are offen in scareta, resp, and/or screeping (Bertier et al.). Lapping process memory betroppen to answer specification and gas scaping (Bertier et al.). Another schematical with. The last of a sifficient schematic participation of the scareta schematic participation of scareta schematic participation of participation of the schematic participation of participation of	Mans et al., Martin et al., Oriseld et al.			
		Ceneral	4.1		Benderal  Scarce or word data are offen in scoratio, relay, and/or  scoration (Admitted at al.).  Scarce or word data are offen in scoratio, relay, and/or  scoration (Admitted at al.).  Appeal protects in relay (Admitted at al.).  Relation (Admitte	Marro et al., Martin et al., Grisold et al.			
		General	4.1	Morey and Anahyab	Bandwidg.  School or word data are offen in econole, reay, and/or seven year for data are offen in econole. Any great year year year for a ready produce at all years at all y	Mans et al., Martin et al., Oriseld et al.			
		General	4.1	Morey and Anahyab	Bendering  Schore or word data we offen in scoratie, relay, and/or exception (Meditive et al.).  Schore or word data we offen in scoratie, relay, and/or exception (Meditive et al.).  Paging process many between to severe or schore or sign in expire, leakes et al.).  In experimental schore or sch	Mans et al., Martin et al., Oriseld et al.			
	ops des	General	4.1	Meining and Analysia  Tool capabilities: Integration capabilities	Bandwing.  Schore or word data are offen in econolis, reay, and/or secures of the seconolis companies (Marie et al.).  Appropriate the seconolism is a constructive and pre- marity. Maries et al.).  Bandwing the seconolism is a constructive and an experi- marity for the seconolism is a constructive and an experi- marity for the seconolism is a constructive and an experi-  marity and an experiment of the seconolism is a constructive of the seconolism is a constructive of the seconolism is a constructive and an experiment of the seconolism is a constructive and an experiment of process an experiment and a form constructive and a form   respective of process and experiment experiment insulfacion and a form   respective of process and experiment process and    process an experiment of the seconolism is a constructive and a form   respective process and an in the respective and experiment of an experiment and a form   marginal and a process and form in a form and a constructive and a seconolism   and an experiment and an experiment and a form consistent and a form   process and a form and a form and a consistent and a form   and a consistent and a form and a consistent and a form   process and a form and a form and a form and a consistent and   process and a form and a form and a form and   and a form and a form and a form and a form and   and a form and a form and a form and   and a form and a form and a form and a form and   and a form and a form and a form and a form and   and a form and a form and a form and a form and   and a form and   and a form and a form and a form and   and a form and a form and a form and   and a form and a form and a form and   and a form and a form and a form and   and a form and a form and   and a form and a form and a form and   and a form and a form and a form and   and a form	Merce et al., Martin et al., Grissid et al.  Mercela and Bandera, Martin et al.			Proactile trial/15 Ectric From Proces Discours in Process National
4	Landy dis	General	4.1	Morey and Anahyab	Bandwing.  Schore or word data are offen in econolis, reay, and/or secures of the seconolis companies (Marie et al.).  Appropriate the seconolism is a constructive and pre- marity. Maries et al.).  Bandwing the seconolism is a constructive and an experi- marity for the seconolism is a constructive and an experi- marity for the seconolism is a constructive and an experi-  marity and an experiment of the seconolism is a constructive of the seconolism is a constructive of the seconolism is a constructive and an experiment of the seconolism is a constructive and an experiment of process an experiment and a form constructive and a form   respective of process and experiment experiment insulfacion and a form   respective of process and experiment process and    process an experiment of the seconolism is a constructive and a form   respective process and an in the respective and experiment of an experiment and a form   marginal and a process and form in a form and a constructive and a seconolism   and an experiment and an experiment and a form consistent and a form   process and a form and a form and a consistent and a form   and a consistent and a form and a consistent and a form   process and a form and a form and a form and a consistent and   process and a form and a form and a form and   and a form and a form and a form and a form and   and a form and a form and a form and   and a form and a form and a form and a form and   and a form and a form and a form and a form and   and a form and a form and a form and a form and   and a form and   and a form and a form and a form and   and a form and a form and a form and   and a form and a form and a form and   and a form and a form and a form and   and a form and a form and   and a form and a form and a form and   and a form and a form and a form and   and a form	Mans et al., Martin et al., Oriseld et al.	Eart Los Proces model research paradiers	regulard largifts with different views.	Proactise traigits Engine From Process Stationary to Process Sets
4	ng å ana) vids	General	4.1	Money and Analysis  Tool capabilities: Integration capabilities  Tool capabilities: Analysis Scientisty	Bandwing.  Schore or word data are offen in excention, reary, and/or securities (March et al.).  Appropriate process many secretary to a creater grant force and an analysis (March et al.).  Appropriate process many secretary to a creater grant force and an analysis (Marches et al.).  The appropriate process many secretary to a creater grant force and an analysis of the analysis (Marches et al.).  The appropriate of process pro	Mans et al., Martin et al., Griseld et al.  Mansucla and Bandara, Martin et al.  Mansucla and Bandara, Martin et al.	Evert-Ling, Process model, recearch questions	required legigles with different views, based on the research questions also a quintized process model	Proactive Insights Engine From Process Discourcy to Process Intelligence (Video at As)  Middall on Advanced Profestor Process Monthly Todal (Marie
4	Mining & analysis	General	41 42 43 44	Meining and Analysia  Tool capabilities: Integration republifies	Bandwing.  Schore or word data are offen in excention, reary, and/or securities (March et al.).  Appropriate process many secretary to a creater grant force and an analysis (March et al.).  Appropriate process many secretary to a creater grant force and an analysis (Marches et al.).  The appropriate process many secretary to a creater grant force and an analysis of the analysis (Marches et al.).  The appropriate of process pro	Merce et al., Martin et al., Grissid et al.  Mercela and Bandera, Martin et al.	Evert-Log. Process model, research questions		(Veit et al.)
4	Ming & analysis	General	41 42 43	Money and Analysis  Tool capabilities: Integration capabilities  Tool capabilities: Analysis Scientisty	Bandwidg.  Storm or need data are offen in accurate, relay, and/or account for the storm or need data are offen in accurate, relay, and/or account for the storm of the storm	Mans et al., Martin et al., Griseld et al.  Mansucla and Bandara, Martin et al.  Mansucla and Bandara, Martin et al.	Evert-Log. Process model, research questions		(Veit et al.)
4	Mining & analysis	General	41 42 43 44	Moting and Analysis  Text capabilities - Integration significies  Text capabilities - Analysis of instability  scompositive-side cubiomis	Bandwidg.  Storm or need data are offen in accurate, relay, and/or account for the storm or need data are offen in accurate, relay, and/or account for the storm of the storm	More et al., Martin et al., Grasifi et al.  Martinia ed Sandera, Martin et al.  Martinia ed Sandera, Martin et al.  Martinia end Sandera, Martin et al.	Exert-Log. Process model, research questions		(Veit et al.)
4	Mring & analysis	General	41 42 43 44	Moting and Analysis  Text capabilities - Integration significies  Text capabilities - Analysis of instability  scompositive-side cubiomis	Bandwidg.  Storm or word data are offen in accordin, relay, and/or according flatform at al.)  Appropriate process many lawringues to areast quantities are all satisfy. Blacker at al.)  Appropriate process many lawringues to areast quantities are all satisfied sub-areast action. The law of sufficient through a many lawringues are all southerned as satisfied and sub-areast action. The lawringues are all southerned and action action of the lawringues are all southerned as a lawringues are all southerned and action action. The lawringues are all southerned as a lawringues are all southerned and action action. The lawringues are all southerned as a lawringue and action. The lawringues are all southerned as a lawringues are all southerned as a lawringues are all southerned as a lawringues are all and action. The lawringues are all and action actions are all and action actions are all and action and action action. The lawringues are all and action actions are all and actions. All and actions are all and actions are all and actions are all and actions are all and actions.	More et al., Martin et al., Grasifi et al.  Martinia ed Sandera, Martin et al.  Martinia ed Sandera, Martin et al.  Martinia end Sandera, Martin et al.	Exert-Log, Process model, research questions		(Veit et al.)
4	Minteg & analyses	General	41 42 43 44 45	Montg and Analysis  Text capabilities: Integration capabilities  Tool capabilities: Analysis Scientifity  Secreptive Market Control  Lack of Advanced Enthres	Bandwing.  Storm or word data are offen in econolis, reay, and/or security Storm or word data are offen in econolis, reay, and/or security. Appeal process many security security security. Appeal process many security security. Appeal process many security security security security. Appeal process many security secur	Manus et al., Martin et al., Grissel et al.  Manusch and Bandera, Martin et al.	Eart-Log Process model, research questions		(Veit et al.)
4	Metrig & analysis		41 42 43 44 45 46	Moting and Analysis  Text capabilities - Integration significies  Text capabilities - Analysis of instability  scompositive-side cubiomis	Bandwing.  Schore or word data are offen in accurate, roop, and/or accurate former and accurate	More et al., Martin et al., Grasifi et al.  Martinia ed Sandera, Martin et al.  Martinia ed Sandera, Martin et al.  Martinia end Sandera, Martin et al.	Evert-Log, Process model, research quedions		(Veit et al.)
4	Mang à analysis		41 42 43 44 45	Moning and Analysis  Tool capabilities: Integration republities  Tool capabilities: Analysis Scientisty  biomychimidilio subcomes  Last of advanced features  Tool capabilities: Process discovery	Bandwing.  Schore or word data are offen in excental, reay, and/or secondar Schore or word data are offen in excental schore at al.)  Appeap process many secretary in a secondar quant force and present place force at al., and a secondar quant force at al., and a secondar quant force at all present places at al., and a secondar to seeing a margin feel secondar quantity and a secondary plant and a secondar quantity and a secondar quanti	Mans et al., Martin et al., Grissid et al.  Mansuclu and Sanders, Martin et al.	Evert-Log. Process model, research questions		(Veit et al.)
4	MARig & analysis	Discovery	41 42 43 44 45 46	Montg and Analysis  Text capabilities: Integration capabilities  Tool capabilities: Analysis Scientifity  Secreptive Market Control  Lack of Advanced Enthres	Searching Section of word data are offen in accordan, relay, and/or securities (Marchan et al.)  Appropriate process many learnings to a review quant-local and particularly. Appropriate the section of	Manus et al., Martin et al., Grissel et al.  Manusch and Bandera, Martin et al.	Evert Ling, Process model, recearch questions		(Veit et al.)
4	Mering à améride		41 42 43 44 45 46	Montg and Analysis  Text capabilities: Integration capabilities  Text capabilities: Analysis Sociality  Socreport Menalis authorise  List of advanced features  Text capabilities: Process discovery  Onta processing.	Bandwing.  Schore or word data are offen in excental, reay, and/or security allegation at al.)  Appropriate posterior and are security and control and product production and production a	Manus et al., Martin et al., Grissid et al.  Manusch and Bandera, Martin et al.	Evert-Log, Process model, research questions		(Veit et al.)
4	Mining & arraly ale	Discovery	41 42 43 44 45 46	Moning and Analysis  Tool capabilities: Integration republities  Tool capabilities: Analysis Scientisty  biomychimidilio subcomes  Last of advanced features  Tool capabilities: Process discovery	Bandwing.  Schore or word data are offen in excental, reay, and/or security allegation at al.)  Appropriate posterior and are security and control and product production and production a	Mans et al., Martin et al., Grissid et al.  Mansuclu and Bandera, Martin et al.	Exert-Ling, Process model, research questions		(Veit et al.)
	Mrking & amalysis	Discovery	41 42 43 44 45 46 47	Montg and Analysis  Text capabilities: Integration capabilities  Text capabilities: Analysis Sociality  Socreport Menalis authorise  List of advanced features  Text capabilities: Process discovery  Onta processing.	Searching Section of word data are offen in accordan, relay, and/or securities (Marchan et al.)  Appropriate process many learnings to a review quant-local and particularly. Appropriate the section of	Manus et al., Martin et al., Grissid et al.  Manusch and Bandera, Martin et al.	Earl Log, Process model, research questions		(Veit et al.)
4	Meting & analysis	Discovery	41 42 43 44 45 46	Montg and Analysis  Text capabilities: Integration capabilities  Text capabilities: Analysis Sociality  Socreport Menalis authorise  List of advanced features  Text capabilities: Process discovery  Onta processing.	Bandwing.  Storm or word data are offen in econolis, reay, and/or accounts of the storm of the s	Manus et al., Martin et al., Grissid et al.  Manusch and Bandera, Martin et al.	Evert-Log, Phoses model, research questions		(Veit et al.)
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	Metrog & amaly pin.	Discovery	41 42 43 44 45 46 47	Tool capabilities: Integration spublities  Tool capabilities: Integration spublities  Tool capabilities: Analysis dissability Interpretabilities Analysis dissability Interpretabilities Analysis dissability Tool capabilities: Process discourry  Tool capabilities: Conferences descripty	Seamon's conditions are offered in secondary, recopy, and/or secondary and secondary a	Mores et al., Martin et al., Grissel et al.  Moresulu and Benders, Martin et al.  Moresulu and Benders	Ewet-Log. Phosiss model, research questions		(Veit et al.)
4	Mining & analysis	Discovery  Conformance	41 42 43 44 45 46 47 48	Tool capabilities: Integration spublities  Tool capabilities: Integration spublities  Tool capabilities: Analysis dissability Interpretabilities Analysis dissability Interpretabilities Analysis dissability Tool capabilities: Process discourry  Tool capabilities: Conferences descripty	Seamon's conditions are offered in secondary, recopy, and/or secondary and secondary a	Mores et al., Martin et al., Grissel et al.  Moresulu and Benders, Martin et al.  Moresulu and Benders	Evert-Log Process model, research questions		(Veit et al.)
4	MATING & unabytides	Discovery  Conformance	41 42 43 44 45 46 47 48	Tool capabilities: Integration spublities  Tool capabilities: Integration spublities  Tool capabilities: Analysis dissability Interpretabilities Analysis dissability Interpretabilities Analysis dissability Tool capabilities: Process discourry  Tool capabilities: Conferences descripty	Seamons, and the seamons of the seam	Mars or at, Martin et al., Griseld et al.  Marsulu and Bandora, Martin et al.  Marsulu and Bandora, Martin et al.  Marsulu and Bandora, Martin et al.  Martin et al.  Marsulu and Bandora, Martin et al.  Marsulu and Bandora	Eart-Lig, Process model, research questions		(Veit et al.)
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4	spiloto y Duayli	Discovery  Conformance  Performance  Social various analysis  Comparities analysis	41 42 43 44 45 46 47 48 49 49 411	Tool capabilities: Integration spublities  Tool capabilities: Integration spublities  Tool capabilities: Analysis dissability Interpretabilities Analysis dissability Interpretabilities Analysis dissability Tool capabilities: Process discourry  Tool capabilities: Conferences descripty	Seamons, and the seamons of the seam	Mars or at, Martin et al., Griseld et al.  Marsulu and Bandora, Martin et al.  Marsulu and Bandora, Martin et al.  Marsulu and Bandora, Martin et al.  Martin et al.  Marsulu and Bandora, Martin et al.  Marsulu and Bandora		based on the research questions also a optimized process model	(Wall et al.)  Neducti et Advanced Predictive Process Metaloring Toolsh (Plaze  Predictive Process Metaloring Toolsh (Plaze)  Advanced Predictive Process Metaloring Toolsh (Plaze)
4	spileure of busy)	Discovery  Conformance  Performance  Social various analysis  Comparities analysis	41 42 43 44 45 46 47 48 49 49 411	Tool capabilities: Integration spublities  Tool capabilities: Integration spublities  Tool capabilities: Analysis dissability Interpretabilities Analysis dissability Interpretabilities Analysis dissability Tool capabilities: Process discourry  Tool capabilities: Conferences descripty	Seamons, and the seamons of the seam	Mars or at, Martin et al., Griseld et al.  Marsulu and Bandora, Martin et al.  Marsulu and Bandora, Martin et al.  Marsulu and Bandora, Martin et al.  Martin et al.  Marsulu and Bandora, Martin et al.  Marsulu and Bandora	Exist-Log, Process model, recearch questions  Exist-Log, Process model, recearch questions  Insights with different slees, proposed in an underdiscatability for the sidelinitation preventation size, since suggestions for	based on the research questions also a optimized process model	(Well et al.)  Nediatic an Advanced Predictive Process Municiping Toolsh (Miss)
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	spileon g buyyy	Discovery  Conformance  Performance  Performance  Comparition analysis  Solida values analysis  Solida values analysis	41 42 43 44 45 46 47 48 49 49 411	Tool capabilities: Integration spublities  Tool capabilities: Integration spublities  Tool capabilities: Analysis dissability Interpretabilities Analysis dissability Interpretabilities Analysis dissability Tool capabilities: Process discourry  Tool capabilities: Conferences descripty	Seamons of seal data are offered in econodic, receipt, sealing of seamons of seal data are offered in econodic composed seamons designed as at all processing the seamons of sea	Mars or at, Martin et al., Griseld et al.  Marsulu and Bandora, Martin et al.  Marsulu and Bandora, Martin et al.  Marsulu and Bandora, Martin et al.  Martin et al.  Marsulu and Bandora, Martin et al.  Marsulu and Bandora		based on the research questions also a optimized process model	(will et al.)  Medical: an Advanced Predictive Process Monitoring Todal (filtral)  Medical: an Advanced Predictive Process Monitoring Todal (filtral)
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		Î	Sup	pports	$\hat{\mathbf{U}}$	Sup	ports	}
		6.1	Management support	Top-Level Management/Senior Executives support (Mans et al., Mamudu and Bandura). Initiating, funding, and conducting PM initiatives requires a strong management commitment (Mantin et al.) Process managers need guidance to convince decision-maikers (Grised et al.)	Manu et al., Mismudu and Bandura, Martin et al., Grisold et al.		Informed and educated stabilizables with an understanding of the importance of FM to its business and the FM project being completed.	monad task, PM403Mill (Plaureel et al.)
		6.2	External stakeholder support	Engagement with external collaborators or industry partners (such as suppliers) who influence an organisation's business process and how they are executed (Mamudu and Bandara).  Transparency may lead to distrust and perceived surveillance (Orisold et al.).	Marnudu and Blandara, Grisold et al.			
		6.3	Subject matter experts (SMEs)	SMEs of a particular business domain who contribute to process mining efforts (Mamudu and Bandara).	Mamudu and Bandara			
		6.4	User groups	The contribution of ultimate users (such as first-line personnel) to process mining outcomes (Mamudu and Bandara).	Mamudu and Bandara			
6	Szakérokker Support and Involvement	6.5	Process mining expertise	The required know-how needed to execute process mining initiatives and interpret outcomes (Mamudu and Bandara).	Mans et al., Mamudu and Bandara			
		6.6	Process makes secretion  Training	The required operation for designing, scheamlining, and re- organization pluminess processes (Manne et al., Mannedo and Mannedos, Mannedos and Mannedos and Mannedos and Installación analytical sidas. The lost of tentamental analytical improbes deriving value from PM (Matteries et al., Virginitation, response deriving value from PM (Matteries et al., Virginitation, response deriving value from PM (Matteries et al., Virginitation, response deriving value from PM (Matteries et al., Virginitation, Vi	Mens et al. Memode and Bendon. Marrin et al.			
		6.7		The autotation and samitanation to state-indext on test appropriate occupant of procession of process mining initiatives for the intended results (Marmada and Bandara).  Insufficient principal skills: The lack of sufficient training in technical skills: required to implement PM is detrimental to setting up and conducting PM (Martin et al.)				
	Ongestaational end shakegin alignment	7.1	Change Management	The series of activities that ensure that the needed change emanating from process mining results is in-planemented in the organization (Manuscul and Bandara).  Unclear organization almostring: it is unclear how PM experimented as exclusive within the organization (Marrier et al.).  It is important to cope with the increased transparency created through process mining (Grichold et al.).	Mannada and Bandera. Medits et al., Calcada et al.,  Mannada and Bandera. Medits et al., Calcada et al.,  Mannada and Bandera.	These are general dealiness and concerns belonging PM. That and a contract sector of the contract of the contr	These are general disablenges and concerns belonging PM. Their not a concerns belonging that a concern belonging to the concerns are no deset legals or Calgodia.	Artificial Intelligence Enabled Project Monagement (Taknada et al.)
7		7.2	Project Management	The management of activities and resources, such as time and cost throughout all phases of the process mining project to obtain the defined project outcomes (Mans et al., Mamudu and Bandara).				
		7.3	Unclear success factors	It is unancem which organizations seape and properties ensure an efficient and effective use of PM (Martin et al.).	Martin et al.			
		7.4	The business wisks of PM is diffical to determine with regard to the alignment of strategic and operational goals as well as the quantification of costs and benefits (Martin et al.).					
			Elusive business value	Process managers do not know how to calculate the business value of PM activities ( <b>Grisold et al.</b> )  There is a lack of comprehensive guidance on the implementation	Martin et al., Grisold et al.			
		7.5	Mission invitamentation as identes	of PM for different organizations, domains, contexts, and strategic goals (Martin et al.).	Martin et al			