DPCD: Registo da Revisão de Literatura (Fase 3)

Tema	Pesquisa em linguagem natural	Pesquisa	Critério de filtragem	2017	2018	2019	2020	2021	2022	2023	2024	Total	Importados	Duplicados	Para revisão
Introdução	Natural Language Processing in Law	TITLE-ABS-KEY ("Natural Language Processing" AND law) OR TITLE-ABS-KEY ("NLP" AND "legal texts") OR TITLE-ABS-KEY ("NLP" AND legislation)	AND PUBYEAR > 2016 AND PUBYEAR < 2025 AND PUBYEAR = [2017|2018| 2019	2020	2021 |2022	2023	2024]	54	51	117	137	182	212	286	275	1314	80	14	219
	Artificial Intelligence in Legal Systems	TITLE-ABS-KEY ("Artificial Intelligence" AND "legal systems") OR TITLE-ABS-KEY ("AI" AND law) OR TITLE-ABS-KEY ("AI" AND "legal processes")		89	132	283	433	609	797	1210	1462	5015	80		
	Document Simplification using AI	TITLE-ABS-KEY("Document simplification" AND "Artificial Intelligence") OR TITLE-ABS-KEY("AI" AND "legal text simplification")		–	–	–	1	–	–	–	1	2	2		
	Automation of Legal Processes	TITLE-ABS-KEY("Automation" AND "legal processes") OR TITLE-ABS-KEY("AI" AND automation AND law) OR TITLE-ABS-KEY("machine learning" AND "legal automation")		5	6	16	25	31	43	55	77	258	71		
	Subtotal de documentos			**148**	**189**	**416**	**596**	**822**	**1052**	**1551**	**1815**	**6589**	**233**		
Tecnologias e Abordagens	Transformer models in NLP	TITLE-ABS-KEY("Transformer models" AND "Natural Language Processing") OR TITLE-ABS-KEY("Transformers" AND NLP)	AND PUBYEAR > 2016 AND PUBYEAR < 2025 AND PUBYEAR = [2017|2018| 2019	2020	2021 |2022	2023	2024]	2	7	87	346	784	1129	1749	1569	5673	69	19	217
	BERT, GPT for Legal Texts	TITLE-ABS-KEY("BERT" OR "GPT" AND "legal texts") OR TITLE-ABS-KEY("BERT" OR "GPT" AND law)		–	1	4	33	56	79	160	148	481	55		
	AI-powered Q&A systems	TITLE-ABS-KEY("AI-powered" AND "Q&A systems") OR TITLE-ABS-KEY("Artificial Intelligence" AND "question-answering systems") OR TITLE-ABS-KEY("AI" AND "legal Q&A")		78	80	75	51	64	78	78	64	568	80		
	Legal Tech and Natural Language Processing	TITLE-ABS-KEY("Legal Tech" AND "Natural Language Processing") OR TITLE-ABS-KEY("Legal Technology" AND NLP) OR TITLE-ABS-KEY("AI" AND "legal NLP")		–	–	3	4	2	7	8	8	32	32		
	Subtotal de documentos			**80**	**88**	**169**	**434**	**906**	**1293**	**1995**	**1789**	**6754**	**236**		
Desafios e Limitações	Challenges in NLP for Legal Texts	TITLE-ABS-KEY("Challenges" AND "Natural Language Processing" AND "legal texts") OR TITLE-ABS-KEY("NLP challenges" AND "legal documents")	AND PUBYEAR > 2016 AND PUBYEAR < 2025 AND PUBYEAR = [2017|2018| 2019	2020	2021 |2022	2023	2024]	1	1	1	1	2	3	19	15	43	29	21	93
	Bias and Ethics in AI Legal Applications	TITLE-ABS-KEY("Bias" AND "ethics" AND "Artificial Intelligence" AND "legal applications") OR TITLE-ABS-KEY("AI bias" AND "legal systems") OR TITLE-ABS-KEY("ethics" AND "AI in law")		–	1	–	–	1	–	2	1	5	5		
	Accuracy of AI in Legal Document Simplification	TITLE-ABS-KEY("Accuracy" AND "Artificial Intelligence" AND "legal document simplification") OR TITLE-ABS-KEY("AI" AND "accuracy" AND "simplification of legal texts")		–	–	–	–	–	–	–	–	–	–		
	Limitations of Machine Learning in Legal Systems	TITLE-ABS-KEY("Limitations" AND "machine learning" AND "legal systems") OR TITLE-ABS-KEY("challenges" AND "machine learning" AND law)		17	49	77	111	111	191	263	317	1136	80		
	Subtotal de documentos			**18**	**51**	**78**	**112**	**114**	**194**	**284**	**333**	**1184**	**114**		
Estado da Arte	AI-based Legal Chatbots	TITLE-ABS-KEY("Artificial Intelligence" AND "legal chatbots") OR TITLE-ABS-KEY("AI-based" AND "legal chatbots") OR TITLE-ABS-KEY("AI-powered" AND "legal assistance chatbots")	AND PUBYEAR > 2016 AND PUBYEAR < 2025 AND PUBYEAR = [2017|2018| 2019	2020	2021 |2022	2023	2024]	–	–	–	–	–	1	1	–	2	2	9	92
	Simplification of Legal Text with NLP	TITLE-ABS-KEY("Simplification" AND "legal text" AND "Natural Language Processing") OR TITLE-ABS-KEY("NLP" AND "simplification" AND "legal documents")		–	–	–	–	–	–	1	3	4	4		
	Generative AI in Law	TITLE-ABS-KEY("Generative Artificial Intelligence" AND law) OR TITLE-ABS-KEY("Generative AI" AND "legal systems") OR TITLE-ABS-KEY("AI-generated content" AND "legal applications")		–	–	–	–	–	–	20	87	107	20		
	CaseLaw and AI in Legal Systems	TITLE-ABS-KEY("CaseLaw" AND "Artificial Intelligence" AND "legal systems") OR TITLE-ABS-KEY("AI" AND "case law analysis" AND "legal systems") OR TITLE-ABS-KEY("AI" AND "jurisprudence")		5	11	27	17	17	12	29	25	143	75		
	Subtotal de documentos			**5**	**11**	**27**	**17**	**17**	**13**	**51**	**115**	**256**	**101**		
	Total de documentos			**251**	**339**	**690**	**1159**	**1859**	**2552**	**3881**	**4052**	**14783**	**684**	**63**	**621**

1