**RELATED WORKS**

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| **APPLICATION** | **PAPER TITLE** | **DATA SOURCE** | **CONCEPT** | **LINK** |
| Question Answering | A Question Answering System on Regulatory Documents | German Financial Regulations | Q&A model for regulations | <https://www.researchgate.net/publication/328281395_A_Question_Answering_System_on_Regulatory_Documents> |
|  | Extending Full Text Search for Legal Document Collections using Word Embeddings | German Legal Documents | Q&A model for legal documents | <https://wwwmatthes.in.tum.de/pages/1njem8saza4zh/Extending-Full-Text-Search-for-Legal-Document-Collections-using-Word-Embeddings> |
|  | A Question Answer System for Legal Information Retrieval | Portuguese Legal Documents | Q&A model for legal documents | <https://www.researchgate.net/publication/220809889_A_Question_Answer_System_for_Legal_Information_Retrieval> |
|  | Using NLP techniques to create legal ontologies in a logic  programming based web information retrieval system | Portuguese Legal Documents | 1.Ontology Creation  2.Querying  3.Entity-Action Extraction | <https://www.researchgate.net/publication/241289937_Using_NLP_techniques_to_create_legal_ontologies_in_a_logic_programming_based_web_information_retrieval_system> |
| Vagueness and Loopholes | Resolving ambiguities in regulations: towards achieving the kohlbergian stage of principled morality | SEC | Disambiguation | <https://www.researchgate.net/publication/327010090_Resolving_ambiguities_in_regulations_towards_achieving_the_kohlbergian_stage_of_principled_morality> |
|  | A Strategy for Addressing Ambiguity in Regulatory Requirements | SEC | Case Study | <https://smartech.gatech.edu/handle/1853/54573> |
|  | Modeling Ambiguity in Text: A Corpus of Legal Literature | SEC | Regulations and court cases | <http://cs.brown.edu/people/rpatel59/papers/ambiguity-legal.pdf> |
|  | Towards automating disambiguation of regulations: using the wisdom of crowds | SEC | Using Ground Truth Data from experts | <https://dl.acm.org/doi/10.1145/3238147.3240727> |
| Legal Text Simplification | Legal Document Retrieval Using Document Vector Embeddings and Deep Learning |  | Semantic Analysis of Legal Cases | <https://www.researchgate.net/publication/328660661_Legal_Document_Retrieval_Using_Document_Vector_Embeddings_and_Deep_Learning_Proceedings_of_the_2018_Computing_Conference_Volume_2> |
|  | An Automated Framework for the Extraction of Semantic Legal Metadata from Legal Texts | European Legal Documents | Semantic Analysis of Legal Cases | <https://www.researchgate.net/publication/338934897_An_Automated_Framework_for_the_Extraction_of_Semantic_Legal_Metadata_from_Legal_Texts> |
|  | Case Law Analysis using Deep NLP and Knowledge Graphs | SEC | Structural Analysis of Legal Cases | <http://lrec-conf.org/workshops/lrec2018/W22/pdf/7_W22.pdf> |
| Regulations violations and penalty estimation | Predicting the Amount of GDPR Fines | European Documents | Penalty Prediction | <https://www.researchgate.net/publication/339873158_Predicting_the_Amount_of_GDPR_Fines> |
| Proximity identification and visualization | LexNLP: Natural language processing and information extraction for legal and regulatory texts | SEC | Structural Analysis | <https://arxiv.org/abs/1806.03688> |
| Regulation Autobiography Creation | Information extraction from case law and retrieval of prior cases | SEC | Automaed linking of legal cases with related documents | <https://www.sciencedirect.com/science/article/pii/S0004370203001061> |