ACM (583 results):

WITH ABSTRACT

Abstract:(compliance OR reason\*) AND AllField:(representation\* OR model\* OR formal OR logic) AND Title:(regulations OR law\* OR legal)

* 583

WITH NEGATIVE

NOT (review OR security OR precedent OR physics)

https://dl.acm.org/action/doSearch?fillQuickSearch=false&target=advanced&expand=dl&AllField=Abstract%3A%28compliance+OR+reason\*%29+AND+AllField%3A%28representation\*+OR+model\*+OR+formal+OR+logic%29+AND+Title%3A%28regulations+OR+law\*+OR+legal%29

! compliance/reason maybe only in abstract, but bad recall

IEEE: (500 results)

("Document Title":"regulations" OR "Document Title":"law" OR "Document Title":"legal")

AND ("Full Text .AND. Metadata":"compliance" OR "Full Text .AND. Metadata":"reason\*")

AND ("Full Text .AND. Metadata":"representation\*" OR "Full Text .AND. Metadata":"model\*" OR "Full Text .AND. Metadata":"formal" OR "Full Text .AND. Metadata":"logic")

With Abstract (100 results)

( ("Document Title":"regulations" OR "Document Title":"law" OR "Document Title":"legal") AND ("Abstract":"compliance" OR "Abstract":"reason\*" OR "Abstract":"legal knowledge") AND ("Full Text & Metadata":"representation\*" OR "Full Text & Metadata":"model\*" OR "Full Text & Metadata":"formal" OR "Full Text & Metadata":"logic"))

https://ieeexplore.ieee.org/search/searchresult.jsp?action=search&matchBoolean=true&queryText=((%22Document%20Title%22:%22regulations%22%20OR%20%22Document%20Title%22:%22law%22%20OR%20%22Document%20Title%22:%22legal%22)%0AAND%20(%22Full%20Text%20.AND.%20Metadata%22:%22compliance%22%20OR%20%22Full%20Text%20.AND.%20Metadata%22:%22reason\*%22)%0AAND%20(%22Full%20Text%20.AND.%20Metadata%22:%22representation\*%22%20OR%20%22Full%20Text%20.AND.%20Metadata%22:%22model\*%22%20OR%20%22Full%20Text%20.AND.%20Metadata%22:%22formal%22%20OR%20%22Full%20Text%20.AND.%20Metadata%22:%22logic%22))&highlight=true&returnFacets=ALL&returnType=SEARCH&matchPubs=true&refinements=PublicationTopics:Legal%20System&refinements=PublicationTopics:Legal%20Domain&refinements=PublicationTopics:Legal%20Texts&refinements=PublicationTopics:Personal%20Data&refinements=PublicationTopics:Data%20Protection&refinements=PublicationTopics:Legal%20Cases&refinements=PublicationTopics:Legal%20Documentation&refinements=PublicationTopics:General%20Data%20Protection%20Regulation&refinements=PublicationTopics:Privacy%20Issues

Science Direct (968)

Find articles with these terms:

(compliance OR reasoning)

AND (representation OR representations OR model OR modelling OR formal OR logic)

Title:

(regulations OR law OR legal)

+ Computer Science Research Area

https://www.sciencedirect.com/search?qs=%28compliance%20OR%20reasoning%29%20AND%20%28representation%20OR%20representations%20OR%20model%20OR%20modelling%20OR%20formal%20OR%20logic%29&title=%28regulations%20OR%20law%20OR%20legal%29%20AND%20NOT%20%28review%20OR%20security%20OR%20precedent%20OR%20physics%29&subjectAreas=1700&lastSelectedFacet=subjectAreas

With negative Title:

(regulations OR law OR legal) AND NOT (review OR security OR precedent OR physics)

* 888

With Abstract:

<https://www.sciencedirect.com/search?qs=%28representation%20OR%20representations%20OR%20model%20OR%20modelling%20OR%20formal%20OR%20logic%29&tak=%28compliance%20OR%20reasoning%20OR%20reason%20OR%20%22legal%20knowledge%22%29&title=%28regulations%20OR%20law%20OR%20legal%29&subjectAreas=1700&lastSelectedFacet=subjectAreas>

* 188

**Filters Applied:**

Legal System, Legal Domain, Legal Texts, Personal Data, Data Protection, Legal Cases, Legal Documentation, Privacy Issues, General Data Protection Regulation

TODO remove reasoning?

TODO logic overfitting?

TODO Group 2: ontologies?

AND ("Document Title":"On the analysis of regulations using defeasible rules")

Dubious keywords: legal

Idea: LLM Model weights are a representation?