

"knowledge graph"

16,778 results Offices all Languages en Stemming true Single Family Member false Include NPL false

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1. **20230080407** GENERATING AND UTILIZING A DIGITAL KNOWLEDGE GRAPH TO PROVIDE CONTEXTUAL RECOMMENDATIONS IN DIGITAL CONTENT EDITING APPLICATIONS US - 16.03.2023

Int.Class **G06F 9/451** Appl.No 17475145 Applicant Adobe Inc. Inventor Jayant Kumar

This disclosure describes methods, non-transitory computer readable storage media, and systems that generate a digital knowledge graph based on a plurality of tutorial content items to generate recommendations of digital resource items. Specifically, the disclosed system extracts a plurality of tasks, subject categories related to the tasks, and context signals related to an environment for the tasks from a plurality of tutorial content items for one or more digital content editing applications. The disclosed system generates a digital knowledge graph including nodes corresponding to the tasks and subject categories connected via edges based on relationships extracted from the tutorial content items. In some embodiments, the disclosed system also includes nodes corresponding to digital resource items in the digital knowledge graph or in a subgraph. The disclosed system utilizes the digital knowledge graph with context data to provide a recommendation of digital resource items for display at a client device.

2. **20200074319** KNOWLEDGE GRAPH WEIGHTING DURING CHATBOT SESSIONS US - 05.03.2020

Int.Class **G06N 5/04** Appl.No 16117181 Applicant Accenture Global Solutions Limited Inventor Freddy Lecue

Implementations include providing, by the PKG platform, an initial knowledge graph based on user-specific data associated with a user, and a domain-specific knowledge graph, receiving, by the PKG platform, data representative of at least one answer provided from the user to a respective question, providing, by the PKG platform, an expanded knowledge graph based on the initial knowledge graph, the expanded knowledge graph including one or more nodes and respective edges based on the data, generating, by the PKG platform, a weighted knowledge graph based a groundtruth knowledge graph, and a targeted knowledge graph, the groundtruth knowledge graph including one or more true answers, and the targeted knowledge graph including the at least one answer provided from the user, and generating, by the PKG platform, the hyper-personalized knowledge graph [hpKG] based on the weighted knowledge graph, the hpKG being unique to the user within a domain.

3. **20230153645** COMPUTER-IMPLEMENTED METHOD, COMPUTER PROGRAM PRODUCT AND COMPUTER SYSTEM FOR PROBLEM-SOLVING BASED ON KNOWLEDGE GRAPHS US - 18.05.2023

Int.Class **G06N 5/02** Appl.No 17546426 Applicant SAP SE Inventor Giancarlo FRISON

A computer-implemented method comprises: receiving trigger data comprising at least one trigger concept; retrieving at least one rule based on the trigger data, wherein a rule comprises: a main label relating two concept variables and a concatenated set of defining labels, each defining label relating two concept variables; obtaining problem data by querying a knowledge graph using the at least one rule and the at least one trigger concept, wherein the knowledge graph comprises a plurality of nodes and a plurality of edges, each node being associated with a respective concept and each edge being associated with a respective label, and wherein at least one node is associated with the at least one trigger concept; obtaining solution data based on the problem data; performing an action based on the solution data.

4. **2021200046** APPROACHES FOR KNOWLEDGE GRAPH PRUNING BASED ON SAMPLING AND INFORMATION GAIN THEORY AU - 11.02.2021

Int.Class **G06N 5/022** Appl.No 2021200046 Applicant Accenture Global Solutions Limited Inventor PURI, Colin Anil

A knowledge graph system including memory for storing instructions and a processor in communication with the memory, wherein the processor, when executing the instructions, is configured to receive a query request, analyze historical query patterns conducted on a knowledge graph to determine entity nodes and entity edges of the knowledge graph historically traversed to obtain query results and assign same as candidate entity nodes and candidate entity edges, and generate a candidate list by selecting and including one or more candidate traversal paths included in the knowledge graph based on the analysis, wherein a candidate traversal path includes at least one of the candidate entity nodes and at least one of the candidate edges connected to the at least one candidate entity node as assigned, determine historical knowledge graph schema elements from a schema used for creating the knowledge graph relevant to historical queries based on the analysis of the historical query patterns, compare the historical knowledge graph schema elements with the candidate list, select at least one traversal path from the candidate list whose removal from the knowledge graph is supported by the comparison, and remove one or more entity nodes or edges of the one or more candidate traversal paths from the knowledge graph based on the comparison.

5. **20230082381** IMAGE AND INFORMATION EXTRACTION TO MAKE DECISIONS USING CURATED MEDICAL KNOWLEDGE US - 16.03.2023

Int.Class G06Q 40/08 Appl.No 17772961 Applicant HEALTHPOINTE SOLUTIONS, INC. Inventor Nathan Gnanasambandam

A system and a method directed to image and information extraction to make decisions using curated medical knowledge are disclosed. For example, operations performed by a cognitive intelligence platform include receiving, from a user computing device, image data of an object and processing the image data to extract data pertaining to the object, where the data comprises text, an image, or some combination thereof. The operations further include identifying a data structure comprising health information pertaining to a user operating the user computing device, where the data structure is stored in a knowledge cloud of the cognitive intelligence platform. The operations also include populating a parameter in the data structure with the data and causing, using the parameter, a field to be populated on a user interface presented on the user computing device.

6. WO/2021/086988 IMAGE AND INFORMATION EXTRACTION TO MAKE DECISIONS USING CURATED MEDICAL KNOWLEDGE

WO - 06.05.2021

Int.Class G06N 99/00 Appl.No PCT/US2020/057771 Applicant HEALTHPOINTE SOLUTIONS, INC. Inventor GNANASAMBANDAM, Nathan

A system and a method directed to image and information extraction to make decisions using curated medical knowledge are disclosed. For example, operations performed by a cognitive intelligence platform include receiving, from a user computing device, image data of an object and processing the image data to extract data pertaining to the object, where the data comprises text, an image, or some combination thereof. The operations further include identifying a data structure comprising health information pertaining to a user operating the user computing device, where the data structure is stored in a knowledge cloud of the cognitive intelligence platform. The operations also include populating a parameter in the data structure with the data and causing, using the parameter, a field to be populated on a user interface presented on the user computing device.

7. 20220207379 TEMPORAL KNOWLEDGE GRAPH COMPLETION METHOD AND APPARATUS BASED ON RECURSION

US - 30.06.2022

Int.Class G06N 5/02 Appl.No 17435113 Applicant University of Posts & Telecommunications Inventor Haihong E

The disclosure provides a temporal knowledge graph completion method, including: obtaining a temporal knowledge graph; obtaining a corresponding static knowledge graph, and obtaining an updated feature through performing embedding learning on a feature of the static knowledge graph and the static knowledge graph; starting from the sub knowledge graph with the first timestamp, obtaining, based on recursion, an updated embedding learning parameter and an updated feature by taking a sub knowledge graph with a current timestamp, and a feature and an embedding learning parameter of the sub knowledge graph with the current timestamp as input of embedding learning; determining the updated embedding learning parameter and the updated feature as an embedding learning parameter and a feature of a sub knowledge graph with an adjacent next timestamp, until all the sub knowledge graph sequences in the temporal knowledge graph are traversed; and performing fact prediction on each sub knowledge graph.

8. WO/2021/071969 SYSTEM AND METHOD FOR CREATING AUTOMATIC CARE PLANS THROUGH GRAPH PROJECTIONS ON CURATED MEDICAL KNOWLEDGE

WO - 15.04.2021

Int.Class A61B 5/00 Appl.No PCT/US2020/054611 Applicant HEALTHPOINTE SOLUTIONS, INC. Inventor GNANASAMBANDAM, Nathan

A method for electronically generating a care plan is disclosed. The method includes selecting a first data structure corresponding to a first condition of a patient. The first data structure including a set of health artifacts pertaining to the first condition. The method also including comparing a second data structure with the first data structure. The second data structure pertains to the patient and the first condition of the patient, and the second data structure comprises a subset of the set of health artifacts. The method also including selecting, based on the comparing, another subset of the set of health artifacts in the first data structure, generating the care plan comprising a third data structure that includes at least the another subset of the set of health artifacts, and causing the care plan to be presented on a computing device.

9. 2019210614 APPROACHES FOR KNOWLEDGE GRAPH PRUNING BASED ON SAMPLING AND INFORMATION GAIN THEORY

AU - 15.08.2019

Int.Class G06F 16/24 Appl.No 2019210614 Applicant Accenture Global Solutions Limited Inventor PURI, Colin Anil

Knowledge graph systems are disclosed for implementing multiple approaches, including stand alone or combined approaches, for knowledge graph pruning. The approaches are based on graph sampling work such as, for example, information gain theory. The approaches are applied by a knowledge graph system to perform schema pruning, automatic graph pruning, and query correlation for improving query performance.

10. 20200050604 APPROACHES FOR KNOWLEDGE GRAPH PRUNING BASED ON SAMPLING AND INFORMATION GAIN THEORY

US - 13.02.2020

Int.Class G06F 16/242 Appl.No 16520611 Applicant Accenture Global Solutions Limited Inventor Teresa Sheausan Tung

Knowledge graph systems are disclosed for implementing multiple approaches, including stand alone or combined approaches, for knowledge graph pruning. The approaches are based on graph sampling work such as, for example, information gain theory. The approaches are applied by a knowledge graph system to perform schema pruning, automatic graph pruning, and query correlation for improving query performance.

