wand®
Prebuilt Taxonomies and Ontologies

WAND Taxonomies Offerings

2024

The critical ingredient for your digital transformation and AI initiatives

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About
WAND Taxonomies

Since 1983, WAND has developed curated taxonomies to improve the way our clients search and organize unstructured and semi-structured information. WAND is the premier source for industry vertical taxonomies, business taxonomies, and specialty domain-specific taxonomies. The breadth and coverage of WAND's taxonomy library is unmatched, and for years, WAND Taxonomies have been used by thousands of companies around the world to organize information.

Applications, where WAND Taxonomies are being deployed, include enterprise content management, enterprise search, behavioral targeting, big data, text analytics, business intelligence, semantic technologies, local search, Artificial Intelligence, knowledge graphs, and sentiment analytics.

WAND is headquartered in Denver, Colorado.

WHY TAXONOMIES?
What does that mean for me?

We have included three articles that may be of interest

Artificial Intelligence

Taxonomies are being used all over the AI field to train and improve models in a variety of ways!

Taxonomies Improving AI from Day 1

How do Taxonomies Benefit RAG?

Search

Search has always been Taxonomy's first love, helping improve search results and user experience.

Maximizing Search with Taxonomies

Taxonomies Improving AI from Day 1

It's pretty hard to go a whole day without someone mentioning something related to A.I. From our social circles to our office cubicles, Artificial Intelligence seems like it's a topic that's here to stay. While AI is the popular, shiny topic, when we start to explore these tools further, we may soon realize that they are somewhat incomplete and ineffective out of the box. Yes, they claim to revolutionize the way businesses operate, offering unprecedented capabilities in automation, data analysis, and decision-making.

Yet, the effectiveness if AI models on their own, especially in domains that require specialty knowledge or precision, often hinges on the quality of data and frameworks used during training. This variable is particularly difficult to control when one is working with the large sizes of data needed to train most AI models.

One powerful tool that can significantly enhance AI training and render better results would be WAND's curated, prebuilt taxonomies.

Prebuilt taxonomies provide that much-needed structured framework that organizes information into categories and subcategories — it reflects relationships and hierarchies within a domain. When integrated into the AI training process, these models offer several key benefits. We will focus on just the top three key benefits today.

Taxonomies Improving AI from Day 1

Improved Data Categorization and Retrieval Accuracy

AI models benefit from a well-organized knowledge base. Prebuilt taxonomies can help the AI model categorize data according to predefined relationships and terms, allowing the model to more accurately retrieve relevant information during both training and deployment. This is a critical step for applications where the quality and relevance of the information provided by the model impacts outcomes directly. Think fields like healthcare, finance, and legal services.

Increased Consistency and Reliability

If we start the AI model off on the proverbial right foot, we will see results which are more consistent and reliable. WAND's taxonomies are designed to be versatile and applicable across a diverse set of domains, but are simultaneously specific enough to provide a consistent set of standards across various queries and datasets. Uniform responses enhance UX by providing reliable, predictable, and accurate results.

Continuous Knowledge Enhancement

WAND devotes significant time and resources to ensuring that our taxonomies are continuously updated to incorporate new information and reflect the latest trends in various industries. We do this so you don't

Taxonomies Improving AI from Day 1

have to worry about ensuring your AI model is remaining current and relevant, helping your model evolve alongside the domain so it can continuously maintain high levels of accuracy and efficacy over time.

AI is becoming an integral part of both our personal and professional spheres. We need to leverage the right tools in order to unlock its full potential. WAND's curated, prebuilt taxonomies provide a structured, adaptable, and continually updating framework that enhances AI training to ensure that your models deliver accurate, reliable, and contextually appropriate results. Integrating our taxonomies into your AI models allow you to overcome the limitations of the untrained AI which can make your workflows faster, more effective, and in the end, more successful.

How do Curated, Prebuilt Taxonomies Benefit RAG?

Retrieval Augmented Generation (RAG) is a Machine Learning (ML) framework which combines information retrieval with text generation to enhance the quality of generated responses by fetching relevant external knowledge which it then uses to inform the output. One piece to the RAG (and larger Generative AI) puzzle is curated, prebuilt taxonomies. With these taxonomies, RAG models have been seen to have some key benefits:

Improved Retrieval Accuracy: The generated responses will only be as accurate as the retrieval content that is added. By including a prebuilt, curated taxonomy, the information in the retrieval database is categorized based on predefined classes and relationships, which allows the RAG model to more effectively narrow down the search space and select content more closely aligned with the original query.

Enhanced Understanding of Context: The hierarchical structure of taxonomies aids the RAG model in understanding the context of a query. Contextual awareness is crucial, especially when dealing with complex questions and subtle nuances in topics or categories.

Increased Consistency in Responses: Using a taxonomy ensures that there is a consistency in the categorization and terminology used by the RAG model. This consistency travels across queries and domains which leads to more reliable and uniform responses, aiding in an improved UX.

How do Curated, Prebuilt Taxonomies Benefit RAG?

Scalability and Efficiency: Prebuilt taxonomies allow RAG models to efficiently scale efforts across diverse domains without needing to retrain from scratch every time. This ready-made framework of knowledge can be quickly integrated and adapted, saving time and resources in model training.

Knowledge Enhancement and Update: WAND's curated, prebuilt taxonomies are constantly updated to add new information and track current trends. These updates can be seamlessly integrated into the model. Keeping the model's knowledge base current improves accuracy over time.

Domain-Specific Optimization: Narrowing in on domain-specific RAG models, taxonomies can be tailored to those specific areas and ensure that retrieved content is both relevant and compliant with specific standards and terminologies.

Simply put, choosing to integrate taxonomies into RAG models leverages structured, relevant, organized data effectively, which improves efficiency and quality in generated responses. This has been found to be particularly valuable in applications requiring a high level of accuracy and reliability in information retrieval and generation.

Maximizing Search with Taxonomies

A working search feature plays a crucial role in accessing the right information at the right time, regardless of your industry or company. Documents can get misplaced so easily if there is no system in place for storing them properly, but further than that, even perfectly placed documents can be rendered unreachable if your search function is sub-par. The ability to find relevant information quickly and accurately can make or break productivity.

But what are we to do? WAND has just the solution for you!

WAND offers prebuilt, curated taxonomies that provide an essential framework which enhances search capabilities in numerous platforms. At its core, taxonomies are systems for classifying information in a way that reflects the hierarchy within any given domain. Our taxonomies are designed meticulously to provide this structure by organizing your data into broader and narrower terms which align to your specific domain or industry. When used within your search system, these taxonomies offer several benefits, but for brevity, we will focus on the top three:

Enhanced Search Accuracy

Clearly, the most significant advantage of using WAND's taxonomies in search is the improved accuracy. How does this happen though? With data and documents organized according to a predefined structure, your search engine will have an easier time narrowing down the search space and returning results that are highly relevant to your query.

Maximizing Search with Taxonomies

Improved User Experience

A well-structured taxonomy not only improves the accuracy of search results, but it also enhances the overall UX. Your users can expect to benefit from more consistent and predictable search outcomes, thus reducing frustration and increasing efficiency. Whether you are searching for a specific product, document, or piece of information, you can trust the search results will be organized logically and intuitively.

Scalability and Flexibility

WAND's taxonomies are also designed with scalability and flexibility in mind. As your organization grows or your content expands, these taxonomies are easily adaptable to accommodate new data, more categories, and increased relationships. This scalability ensure that your search functionality remains just that: functional! Robust and effective search remains, even as the volume and complexity of your information increases.

Having a robust and efficient search function is no longer a luxury, it's a necessity. Our taxonomies can provide you with that structured framework that is so crucial for maximizing search efficiency. Enhancing search accuracy, improving UX, and offering the scalability to grow with your organization, WAND's taxonomies ensure that your search capabilities are effective and reliable for years to come. With WAND, you can trust that finding the right information will always be a seamless process, keeping your operations running smoothly and allowing your team to be focused on what truly matters.

Five Benefits of Prebuilt Taxonomies

1) Effortless Integration

Seamlessly integrate our curated, prebuilt taxonomies into your applications with best-in-class organization frameworks across all industry verticals, you'll accelerate implementation timelines by up to 90% and reduce setup complexity.

2) Boosted Efficiency

Empower your product to tag and categorize data using our comprehensive taxonomies internally quickly and accurately. This eliminates the need for manual sorting and enhances data organization, freeing up valuable resources for higher-level tasks.

3) Enhanced Accuracy and Consistency

Rely on WAND's taxonomies, built by experts in library sciences, to improve your AI's tagging precision. Consistent, accurate data classification reduces errors, ensuring customer documents and data are handled with the utmost professionalism.

4) Adaptable Solutions

WAND's taxonomies are designed to address every industry vertical, but are easily editable, giving our product a flexible, scalable solution that adapts to your client's unique organizational needs.

5) Immediate Value

Start delivering immediate value with WAND's prebuilt, curated taxonomies which will eliminate the costly, time-consuming process of building and maintaining custom data structures.

What's In It For My Customer?

Accelerates sales cycles 6-12 months

Accelerates client purchase decision because initial taxonomy creation is already done

Fast deployment — WAND Taxonomies are selected and delivered online, formatted for direct import into enterprise applications. Setup takes minutes

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Increased Sales and Services

WAND Taxonomy/Metadata Model Suites

Creates effective demonstrations for clients.

WAND Taxonomies/Metadata models address all enterprise knowledge domains.

Extensibility to all knowledge domains generates more sales, larger sales, and extended and increased service engagements.

Taxonomies Alphabetically

Accounting Taxonomy
Aerospace Engineering Taxonomy
Air Traffic Control Taxonomy
Asset Status Taxonomy
Automotive Manufacturing Taxonomy
Banking Taxonomy
Building and Construction Management Taxonomy
Cannabis Taxonomy
Chemicals Taxonomy
Consulting Services Taxonomy
Customer Service Taxonomy
Digital Transformation Technologies Taxonomy
Drug Development and Manufacturing Taxonomy
Electric Utilities Taxonomy
Engineering Taxonomy
Environmental Taxonomy
Facilities Management Taxonomy
Finance and Investment Taxonomy
Fire Department Taxonomy
Fleet Management Taxonomy
Food and Beverage Manufacturing Taxonomy
Gas Utilities Taxonomy
Health Insurance Taxonomy
Higher Education Taxonomy
Hospitality Taxonomy
Human Resources Taxonomy
Information Sensitivity Taxonomy
Information Technology Certifications Taxonomy
Information Technology Taxonomy
Instruction Manual Taxonomy
Insurance Taxonomy
Intellectual Property Taxonomy
K-12 Education Taxonomy
Lean Quality Taxonomy
Legal Taxonomy
Life Insurance Taxonomy
Lifecycle Taxonomy
Local Government Taxonomy
Logistics Taxonomy

Formatted for Use in Over 100 Applications

Microsoft® SharePoint® 2010

SharePoint 2013

SharePoint 2016

SharePoint 2019

SharePoint Online

poolparty

Collibra

SKOS

{json}

CSV

documentum

IBM Watson Discovery for IBM Cloud Pak for Data

expert.ai

MAGELLAN BY OPENTEXT™

opentext™ Content Server

Progress® Semaphore™

sas

upland BA Insight

XML

Taxonomies Cont.

Lumber Manufacturing and Forestry Management
Management Taxonomy
Manufacturing Taxonomy
Medical Administration Taxonomy
Medical Conditions Taxonomy
Medical Devices Taxonomy
Medical Specialties Taxonomy
Metaverse Taxonomy
Mining Taxonomy
Nonprofit Taxonomy
Nuclear Decommissioning Taxonomy
Oil and Gas Taxonomy
Online and In-Person Learning Taxonomy
PII Taxonomy
Packaging Taxonomy
Paper Manufacturing Taxonomy
Police Department Taxonomy
Procurement Taxonomy
Project Management Taxonomy
Property and Casualty Insurance Taxonomy
Railroad Taxonomy
Real Estate Taxonomy
Records Retention Taxonomy
Research and Development Taxonomy
Retail Taxonomy
Sales and Marketing Taxonomy
Semiconductor Manufacturing Taxonomy
Sensory Taxonomy
Sentiment Taxonomy
Shipbuilding Taxonomy
Smart City Taxonomy
Soft Skills and Broad Hard Skills Taxonomy
Telecommunication Taxonomy
Transportation Taxonomy
Travel Taxonomy
United States Armed Forces Taxonomy
Utilities Taxonomy
Wastewater Utilities Taxonomy
Water Utilities Taxonomy
Wholesale Taxonomy
Workplace Health and Safety Taxonomy

Taxonomy Suites

- Aerospace Suite
- Automotive Suite
- Building and Construction Suite
- Drug Development Suite
- Electric Utilities Suite
- Engineering Suite
- Enterprise Operations Suite
- Financial Suite
- Food & Beverage Manufacturing Suite
- Gas Utilities Suite
- Health Care Suite
- Higher Education Suite
- Hospitality Suite
- IT Suite
- Insurance Suite
- K-12 Education Suite
- Legal Services Suite
- Local Government Suite
- Lumber Manufacturing & Forestry Suite
- Manufacturing Suite
- Mining Suite
- Nonprofit Suite
- Mining Suite
- Nonprofit Suite
- Oil and Gas Suite
- Paper Manufacturing Suite
- Professional Services Suite
- Railroad Suite
- Real Estate Suite
- Retail Suite
- Semiconductor Manufacturing Suite
- Shipbuilding Suite
- Telecommunications Suite
- Transportation Suite
- United States Armed Forces Suite
- Utilities Suite
- Wastewater Utilities Suite
- Water Utilities Suite
- Wholesale Suite

Business Glossaries

Aerospace Glossary

Banking & Finance Glossary

Customer Service Glossary

Health Insurance Glossary

Human Resources Glossary

Insurance Glossary

Legal Glossary

Life Insurance Glossary

Oil & Gas Glossary

PII Glossary

Property & Casualty Insurance Glossary

Real Estate Glossary

Sales & Marketing Glossary

Tele-communications Glossary

Units of Measure Glossary

Common Data Models

Benefit Plan Actuarial Information
Bill of Lading
Blood Donor Form
Call Report
Cash Flow Statement
Cell Tower Lease Agreement
Company Information
Corporate Balance Sheet
Corporate Budget
Corpoarate Income Statement
Corporate Sales Report
Credit Memo
Customer Information
Email
Employee Annual Expense Report
Employee Expense Report

Employee Information
Employment Application
Employment Contract
Escrow Agreement
Exclusivity Agreement
Ground Lease Agreement
Hospital Admission Form
Indemnification Contract
Intellectual Property License Agreement
Invoice
Lease Agreement
Licensing Agreement
Life Insurance Rate Making
Loan Agreement
Medical History Form
Memorandum of Understanding

Merger Agreement
Motor Vehicle Title
Network Security Incident Management Plan
Network Security Incident Reports
Network Security Policies
Network Security Reports
Network Security Responses
Non-Compete Agreement
Non-Disclosure Agreement
Oil and Gas Extraction Lease Agreement
Operating Agreement
Partnership Agreement
Patient Information Forms
Personal Annuity Documents
Personal Estate Documents

Personal Financial Statements
Personal Income Tax Return
Personal Life Insurance Documents
Personal Property Inventory
Pre-Employment Physical Form
Press Release
Prior Authorization Request Form
Property and Casualty Rate Making
Purchase Contract
Purchase Order
Sales Contract
Service Contract
Standard Operating Procedure
Stock Keeping Unit (SKU)
Supplier Data
Sustainability Report
Work Order

REPRESENTATIVE TESTIMONIALS

"The Taxonomies saved us a huge amount of time! We were able to deliver value immediately!"

"We were able to import everything without a hitch and it saved us a ton of work."

"The WAND Taxonomy is providing to be very useful and will save us a lot of time in our deployment since we don't have to create a taxonomy from scratch."

"Having the taxonomies on hand has really jump-started our document management process, and provided us with a back-end organization that would have taken many months to get going."

"We were able to customize the Human Resources Taxonomy in less than a day to make it a perfect fit for that department, We only needed to add 50 terms, which was less than 5% of the total."

"People are experts at what they do, but (are) not experts in taxonomy building. Editing the pre-built taxonomies provides an easy contextual reference."

REPRESENTATIVE TESTIMONIALS
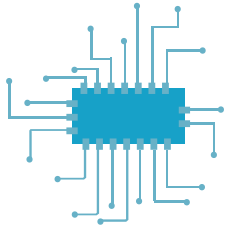
"Helps with faster adoption – Users see relevant search terms quickly."

"Pointers suggested by WAND allowed me to socialize the benefits of the taxonomy and gain business acceptance."

"WAND [is] hands down the most comprehensive assembly of deep and wide taxonomies, requiring only two clicks to import into our workflow and only a few days to incorporate into our product architecture, seeing immediate results."
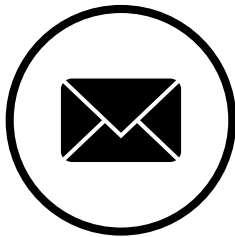
"The prebuilt taxonomies required about 10% customization and enabled the default search to be quickly implemented."
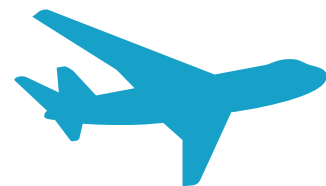
"Your work for us has been excellent and the libraries were a godsend for us. I look forward to working together in the future."
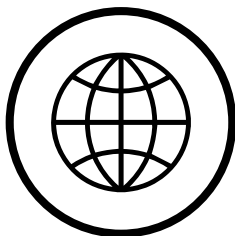
CONTACT US!

wand®
Prebuilt Taxonomies and Ontologies

info@wandinc.com

+1 (303) 623-1200

www.wandinc.com