

Information Retrieval

Exercise – Winter term 2026/2027

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Agenda

1. Retrieval & Pooling
2. Relevance Annotations
3. Access
4. Outlook

Retrieval & Pooling

- ❑ 10 retrieval systems will be used to retrieve documents for judgments
 - Different retrieval paradigms:
lexical retrieval (i.e., based on tokens & frequencies),
neural retrieval (i.e., based on semantics), query expansion, etc.
 - Systems are executed via the [TIRA](#) platform
 - The 10 systems will later be the baselines on the leaderboard
- ❑ Top-10 documents from each system will be “pooled”
i.e., the top-10 from each system is assessed
 - Pooled documents are deduplicated across systems [[lecture 2024: Pooling](#)]
 - We expect around 100–150 documents per topic
 - Corresponds to roughly 2–3 hours of annotation work

Relevance Assessments

- ❑ We judge only binary relevance:
judging a document as non-relevant (0) or relevant (1)
- ❑ Relevance depends on:
 - The topic's description and narrative.
- ❑ Relevance does **not** dependent on:
 - Credibility, i.e., non-credible documents can still be found relevant
 - Correctness, i.e., judge as if you did not know the correct answer
 - Why? Credibility and correctness can easily be misjudged
- ❑ Exception: Documents are automatically **not relevant** if they ...
 - ... are not written in English language
 - ... contain adult material or spam
 - ... are unreadable or broken

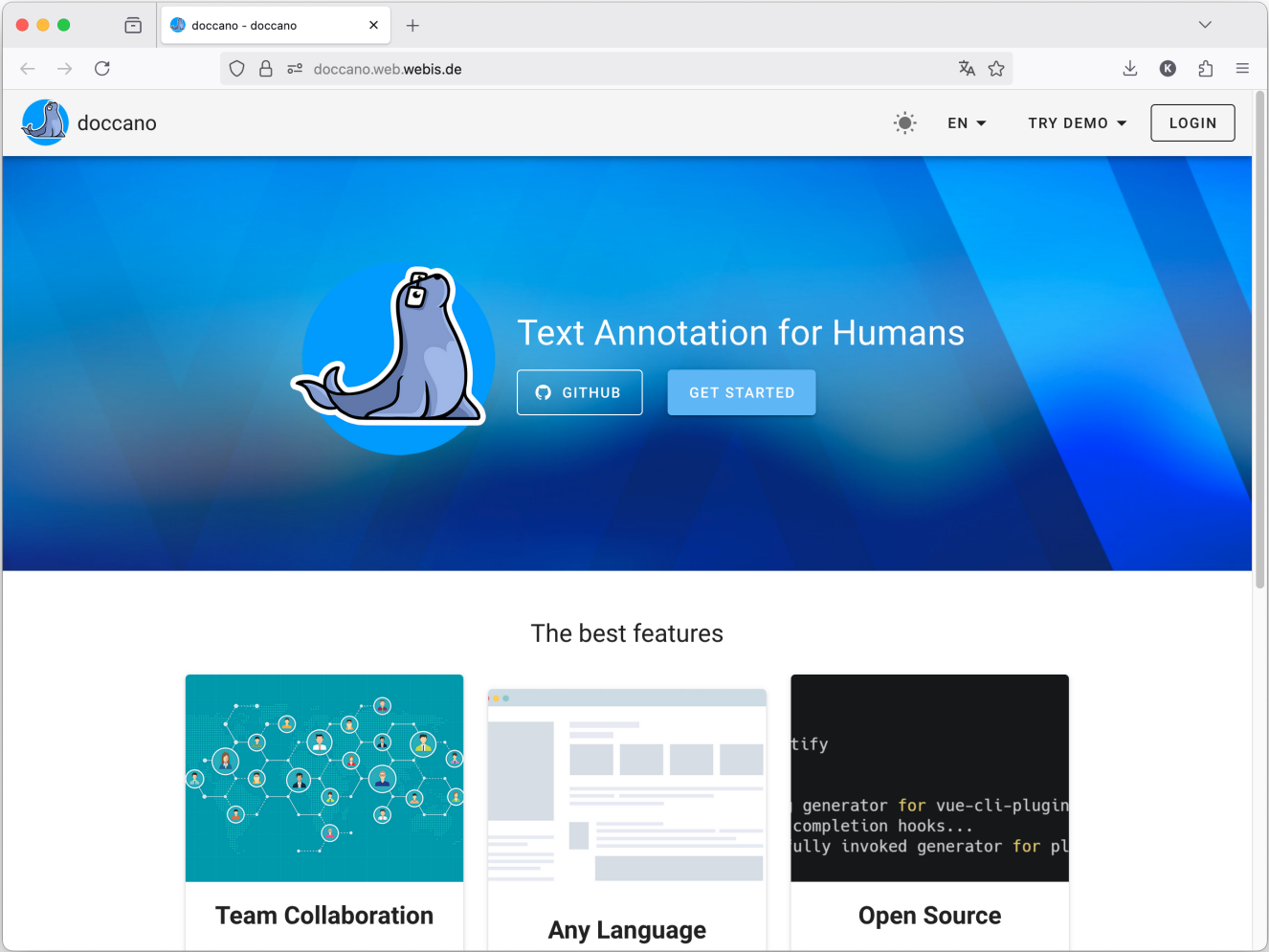
Access

- ❑ Relevance assessments will be handled through [Doccano](#)
- ❑ Each group will receive on Discord:
 - a [Doccano](#) account (linked with each topic's [Doccano](#) project)
- ❑ Documents to judge available: Monday, 30.11.2026
- ❑ **Due Date:** Friday, 11.12.2026, 23:59
- ❑ **Deliverable:** Annotations finished on [Doccano](#)
- ❑ We can discuss problems in the next lab session:
Tuesday, 08.12.2026

Next Steps

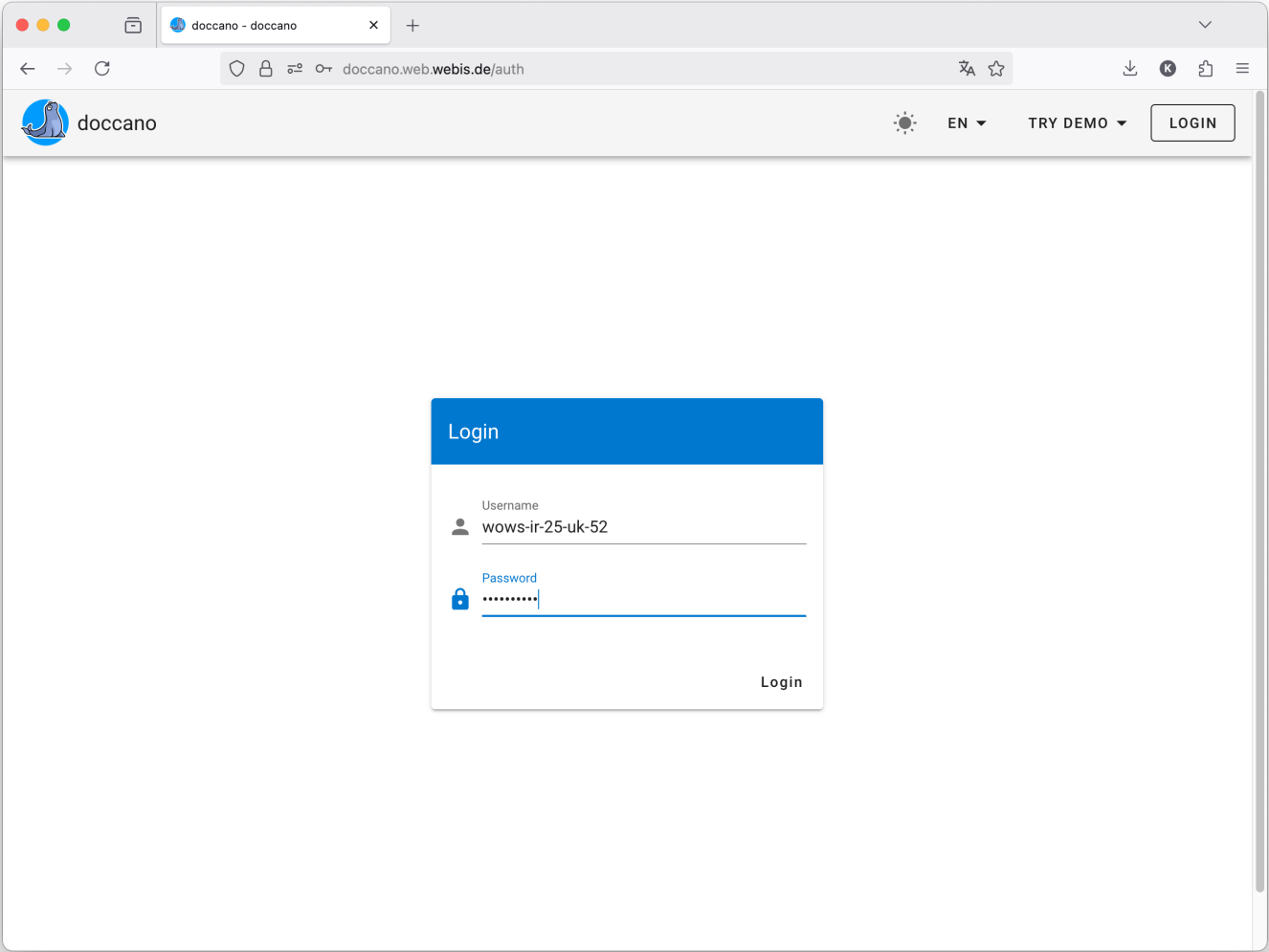
Assignment

- ❑ Relevance assessments on [Doccano](#)



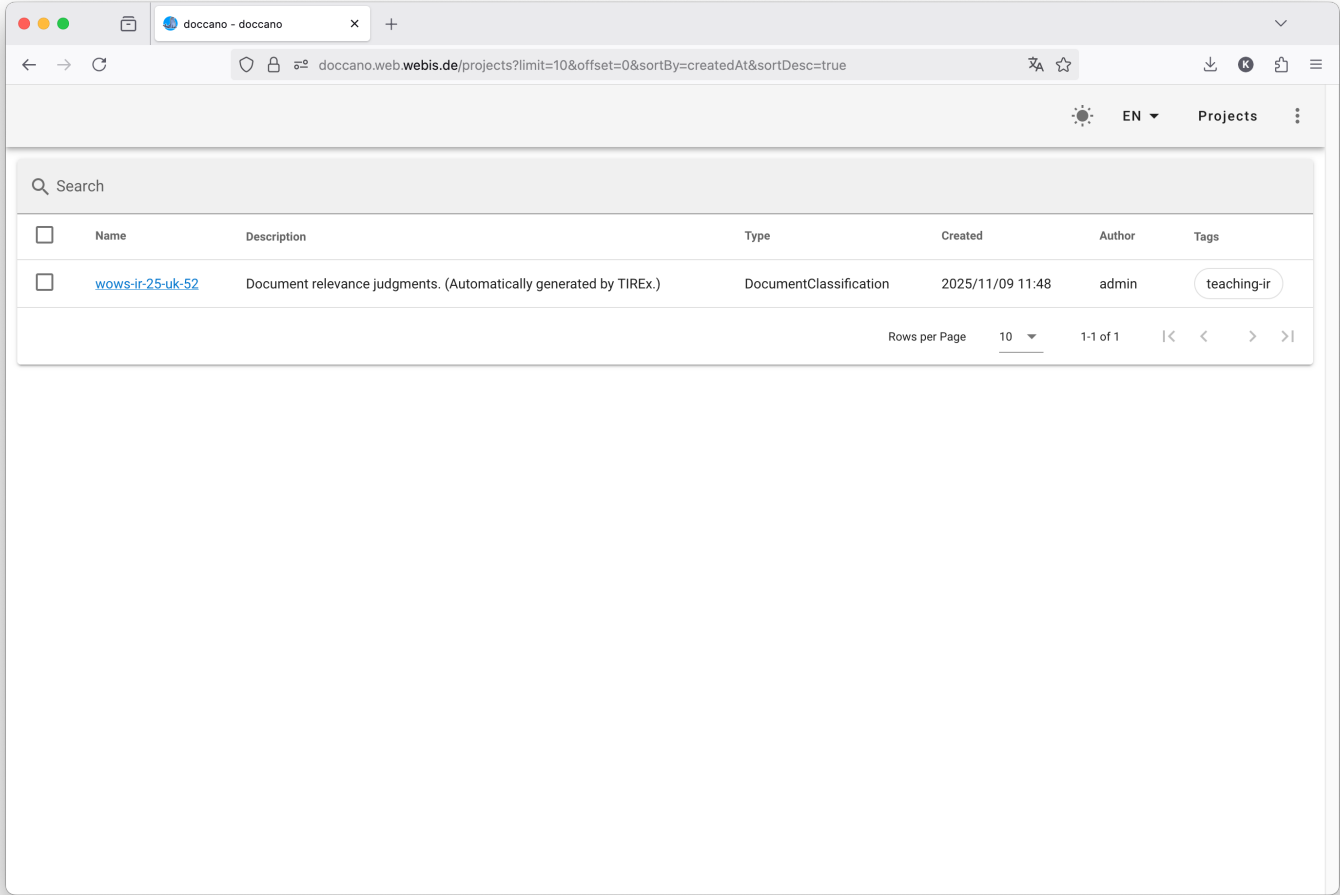
[Doccano website]

Doccano

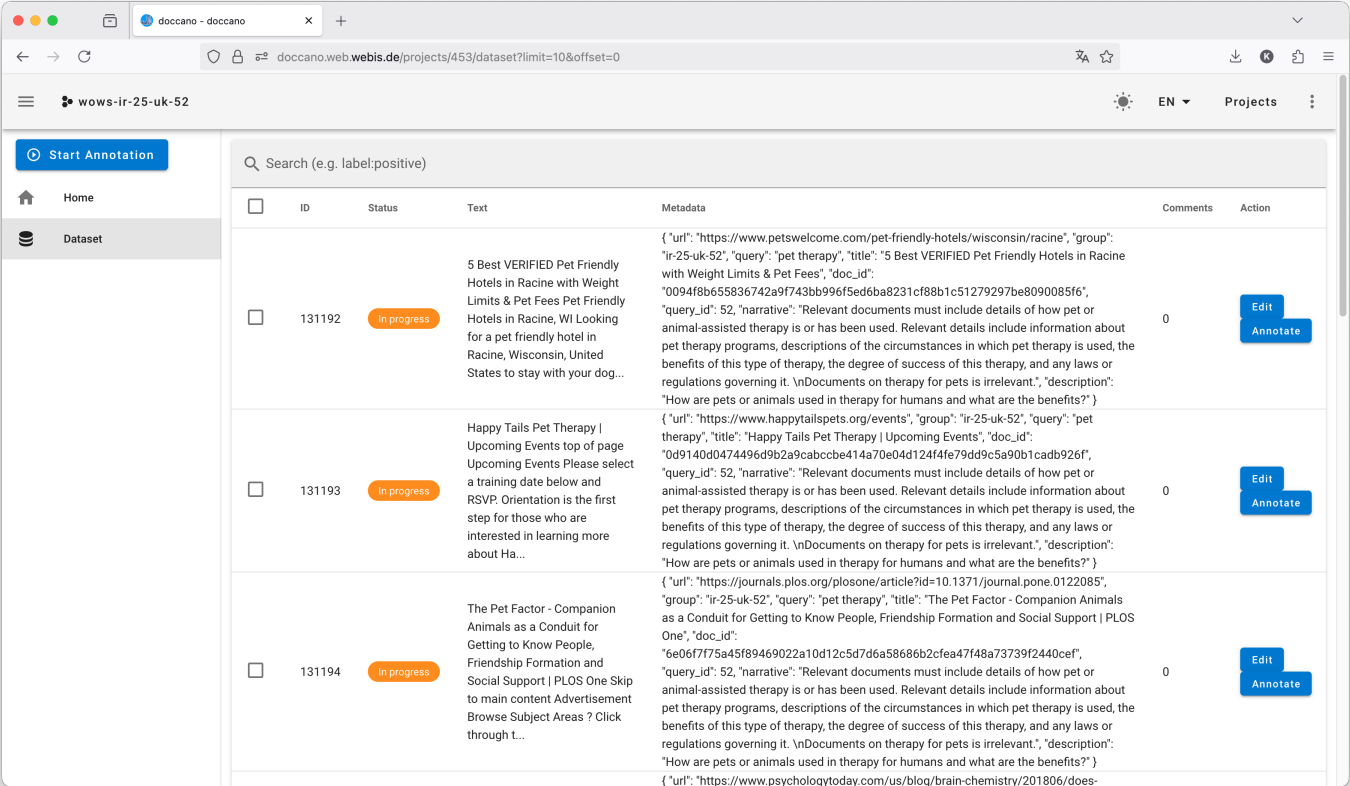


[Doccano Login]

Doccano



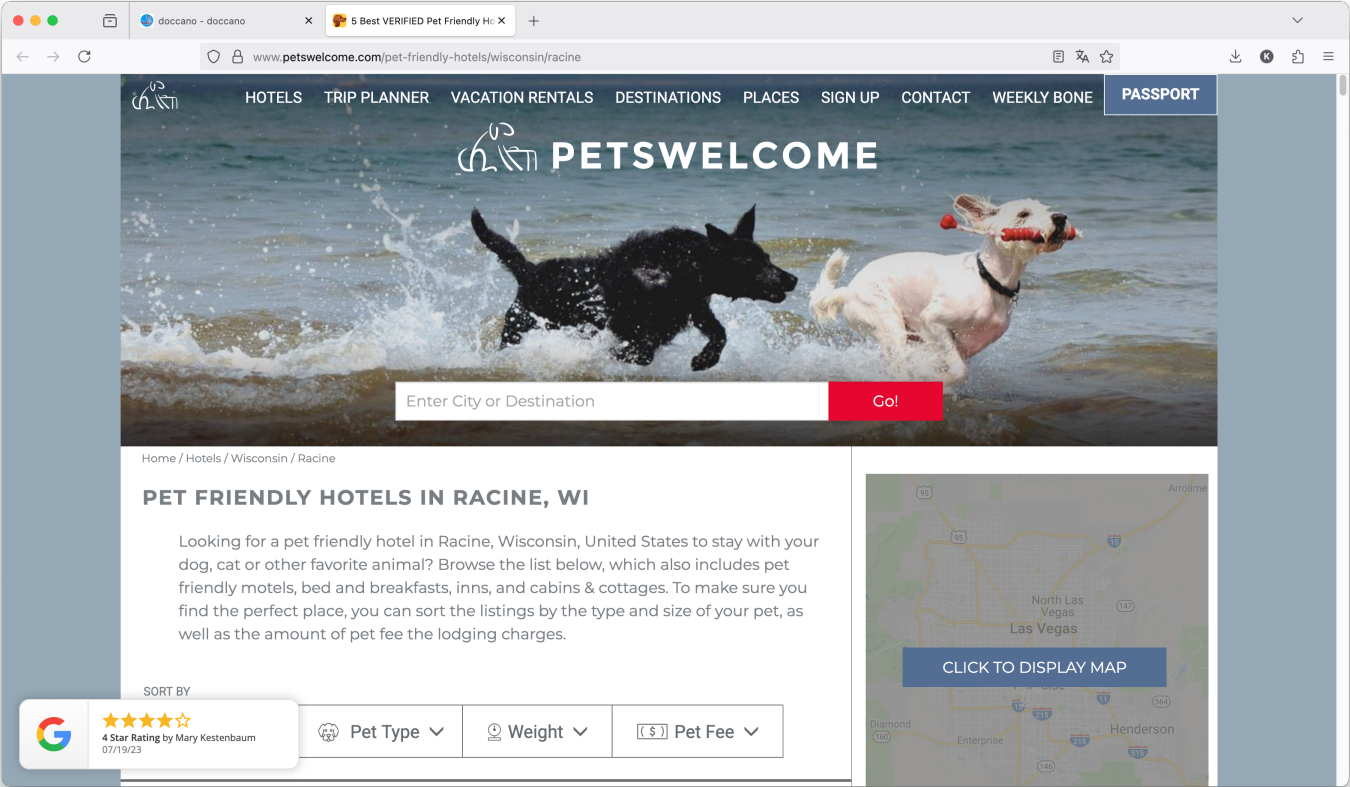
Example of the topic(s) view in Doccano.



Example of the retrieved documents view in Doccano.

The screenshot displays the Doccano web interface for document annotation. The main content area shows a document titled "5 Best VERIFIED Pet Friendly Hotels in Racine with Weight Limits & Pet Fees". The document text includes information about pet-friendly hotels in Racine, Wisconsin, and details about pet policies, such as weight limits and fees. The interface features a sidebar on the left with "Home" and "Dataset" options, and a top navigation bar with the project name "wows-ir-25-uk-52". On the right, a "Progress" section shows a green progress bar at 2% completion, with a table of document metadata including fields like "url", "group", "query", "title", "doc_id", "query_id", "narrative", and "description".

Doccano annotation view: Example of a non-relevant website that was retrieved. To use the green progress bar, make sure the button above Not Relevant (0) is selected (i.e., $\times \rightarrow \checkmark$).



Example of a non-relevant website retrieved.

The screenshot shows the Doccano web interface. At the top, there's a browser window with the URL 'doccano.web.de/projects/453/dataset?limit=10&offset=0'. Below the browser, the interface has a sidebar with 'Home' and 'Dataset' options. The main area displays a table of dataset items. The table has columns: ID, Status, Text, Metadata, Comments, and Action. Three items are listed, each with a checkbox, ID, status (Finished, In progress, In progress), text snippet, metadata JSON, comment count (0), and Edit/Annotate buttons.

ID	Status	Text	Metadata	Comments	Action
131192	Finished	5 Best VERIFIED Pet Friendly Hotels in Racine with Weight Limits & Pet Fees Pet Friendly Hotels in Racine, WI Looking for a pet friendly hotel in Racine, Wisconsin, United States to stay with your dog...	{ "url": "https://www.petswelcome.com/pet-friendly-hotels/wisconsin/racine", "group": "ir-25-uk-52", "query": "pet therapy", "title": "5 Best VERIFIED Pet Friendly Hotels in Racine with Weight Limits & Pet Fees", "doc_id": "0094f8b655836742a9f743bb996f5ed6ba8231cf88b1c51279297be8090085f6", "query_id": 52, "narrative": "Relevant documents must include details of how pet or animal-assisted therapy is or has been used. Relevant details include information about pet therapy programs, descriptions of the circumstances in which pet therapy is used, the benefits of this type of therapy, the degree of success of this therapy, and any laws or regulations governing it. \nDocuments on therapy for pets is irrelevant.", "description": "How are pets or animals used in therapy for humans and what are the benefits?" }	0	Edit, Annotate
131193	In progress	Happy Tails Pet Therapy Upcoming Events top of page Upcoming Events Please select a training date below and RSVP. Orientation is the first step for those who are interested in learning more about Ha...	{ "url": "https://www.happytailspets.org/events", "group": "ir-25-uk-52", "query": "pet therapy", "title": "Happy Tails Pet Therapy Upcoming Events", "doc_id": "0d9140d0474496d9b2a9cabccbe414a70e04d124f4fe79dd9c5a90b1cadb926f", "query_id": 52, "narrative": "Relevant documents must include details of how pet or animal-assisted therapy is or has been used. Relevant details include information about pet therapy programs, descriptions of the circumstances in which pet therapy is used, the benefits of this type of therapy, the degree of success of this therapy, and any laws or regulations governing it. \nDocuments on therapy for pets is irrelevant.", "description": "How are pets or animals used in therapy for humans and what are the benefits?" }	0	Edit, Annotate
131194	In progress	The Pet Factor - Companion Animals as a Conduit for Getting to Know People, Friendship Formation and Social Support PLOS One Skip to main content Advertisement Browse Subject Areas ? Click through t...	{ "url": "https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0122085", "group": "ir-25-uk-52", "query": "pet therapy", "title": "The Pet Factor - Companion Animals as a Conduit for Getting to Know People, Friendship Formation and Social Support PLOS One", "doc_id": "6e06f7f75a45f89469022a10d12c5d7d6a58686b2cfea47f48a73739f2440cef", "query_id": 52, "narrative": "Relevant documents must include details of how pet or animal-assisted therapy is or has been used. Relevant details include information about pet therapy programs, descriptions of the circumstances in which pet therapy is used, the benefits of this type of therapy, the degree of success of this therapy, and any laws or regulations governing it. \nDocuments on therapy for pets is irrelevant.", "description": "How are pets or animals used in therapy for humans and what are the benefits?" }	0	Edit, Annotate

If you select the button above Not Relevant (0) after assessing a retrieved document, the document will appear as Finished in the document overview.

Q&A

Any questions?