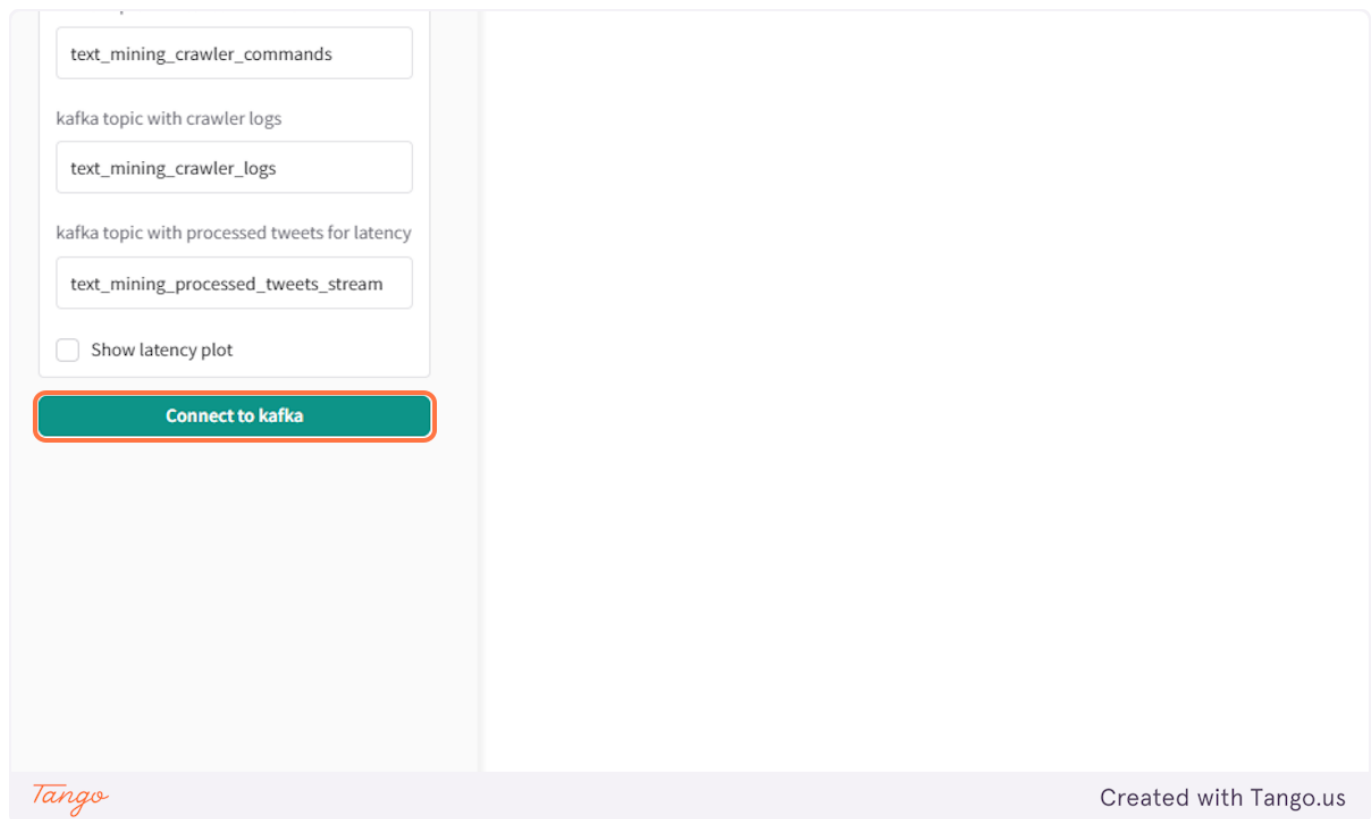# How to use question answering UI

This is a step-by-step guide on how to use question answering in the text mining UI.

1. Navigate to the link for the text mining app ex:http://localhost:7860/

2. Follow steps in setup kafka cluster documentation, then click "Connect to kafka".

text_mining_crawler_commands

kafka topic with crawler logs

text_mining_crawler_logs

kafka topic with processed tweets for latency

text_mining_processed_tweets_stream

☐ Show latency plot

Connect to kafka

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3. Navigate to the "Crawler UI" tab.

4. In the "Kafka poling parameters" you can set a filer for the ID of the event, used to crawl it.

5. You can also set the number of messages to retrieve.

6. Then click on "Get recent posts" to retrieve messages.

7. The messages are displayed in a table.

index	tweet_text	tweet_url	tweet_id	tweet_timestamp	tweet_lat	tweet_lon	event_identifier	event_class	event_score
1	#Wetter Jetzt #Starkregen mit Sturm in #Innsbruck #InTirol	https://twitter.com/A lpenherold/status/749 258463818186752	7492584638 18186752	2025-05-26T11:00:30+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.994545936! 844727
2	Heftige Unwetter sorgten heute in Tirol für überflutete Straßen, Parkplätze und Keller. Hunderte Notrufe gingen... http://fb.me/2JXGkkoZL	https://twitter.com/T TNachrichten/status/7 49307873826639872	7493078738 26639872	2025-05-26T11:04:30+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.9908415079 116821
3	Fors regen en onweersbuien trekken nu over het westen van Oostenrijk. Regio #Innsbruck heeft #wateroverlast	http://bit.ly/wTv0Nx	https://twitter.com/w eermanrobert/status/7 49297603226009600	7492976032 26009600	2025-05-26T11:07:30+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.7963886260 986328
4	weiterer Sirenenalarm in und um #Innsbruck - Grosslage durch Starkregen #InTirol +++	https://twitter.com/A lpenherold/status/749 265919113830400	7492659191 13830400	2025-05-26T11:09:00+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.9895547628 40271
5	Nach vereinzelten Einsätzen in Zirl nach Starkregen, stehen wir in Innsbruck Stadt im Einsatz und unterstützen dort die Feuerwehren	https://twitter.com/f w_zirl/status/7493151 47106246656	7493151471 06246656	2025-05-26T11:09:30+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.810492753! 82544
6	FEUERWEHREINSATZ IBK 03.07 14:34 FW Reichenau - Wasserschaden unter 50 cm Gewerbe/Industrie - 6020 Innsbruck:	https://twitter.com/A lpenherold/status/749 612641820119040	7496126418 20119040	2025-05-26T11:11:30+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.7433849573 135376
7	Severe #Storms leading to #Flooding in Tirol: http://mambolook.com/natural-disasters/floods…, http://mambolook.com	https://twitter.com/S cienceTopNews/status/ 7493900168879747072	7493900168 79747072	2025-05-26T11:12:00+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.9982565845 35675
8	Retweeted RiskMap (@Riskmapintel): Severe Storms Leading To Flooding In #Tirol http://dlvr.it/LjKLzK... http://fb.me/42pPf0gad	https://twitter.com/M LM_PA_Services/status /749355220103159808	7493552201 03159808	2025-05-26T11:12:30+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.9984804961 798523
9	Auch am Sonntag hat die Feuerwehr im Großraum Innsbruck noch alle Hände voll zu tun. http://fb.me/3LrFY0DJH	https://twitter.com/T TNachrichten/status/7 49508948227743744	7495089482 27743744	2025-05-26T11:14:00+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	fire	0.9928579754 165649

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8. Once relevant messages are retrieved, you can set the question answering parameters.

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9. In "Choose QA type" you can set the method for QA.

   1. no-RAG, doesn't use retrieval augmented generation and is fast.

2. Genra RAG, is our method that uses retrieval augmented generation.

10. You can also choose the language the LLM responds in, with English, German, Spanish, and Catalan options.

11. You can also select the type of query.

"query" - allows you to ask a custom question "summarise" - gives a summary of the crisis incident described in the messages

12. You can also select predefined options when the "query" option is selected.

13. Then click on "Run QA".

14. The LLM response is displayed in the text field.

15. You can also click on "tweet_id" in the table to view the embedded post from X.

16. Click on Kafka polling parameters...

17. Also note, when the "summarise" option is selected in the "Choose Query Type", the query textbox is not visible.

Event ID
unique event id used for crawling

Number of recent tweets to query
Round value

50

Get recent posts

Choose QA Type
'no-RAG' is fast, while 'Genie-RAG' is slow but more accurate

no-RAG

Choose Response Language
the language to get your response

English

Choose Query Type
choose 'query' to ask a question, or 'summarise' to get a summary of the messages.

summarise

Examples

Run QA

Response.

A severe storm has hit the Innsbruck region in Austria, causing extensive flooding and damage. Heavy rainfall led to overflowed streets, park areas, and cellars, resulting in hundreds of emergency calls. The city's Feuerwehr (fire department) has been deployed to assist with rescue efforts and combat fires that broke out due to the storm. Residents are reporting significant water damage, with some homes experiencing up to 10 cm of water in their cellars. The situation is considered critical, with many roads and areas becoming impassable due to flooding and landslides. The authorities have issued warnings for residents to avoid traveling through certain areas and to take necessary precautions to stay safe.

Select a tweet_id in the table to view Embedded tweet

Filter...

Science News
@ScienceTopNews · Follow

Severe #Storms leading to #Flooding in Tirol: mambolook.com/natural-disast..., mambolook.com

1:51 AM · Jul 3, 2016

Reply   Copy link

Read more on X

index	tweet_text	tweet_url	tweet_id	tweet_timestamp	tweet_lat	tweet_lon	event_identifier	event_class	event_score
1	#Wetter Jetzt #Starkregen mit Sturm in #Innsbruck #InTirol	https://twitter.com/A lpenherold/status/749 2586438186752	7492586438 186752	2025-05-26T11:00:30+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.994545936 844727
2	Heftige Unwetter sorgten heute in Tirol für überflutete Straßen, Parkplätze und Keller. Hunderte Notrufe gingen... http://fb.me/23XGkkoZL	https://twitter.com/T TNachrichten/status/7 49307073826639872	7493070738 26639872	2025-05-26T11:04:30+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.998841507 116821
3	Fors regen en onweersbuien trekken nu over het westen van Oostenrijk. Regio #Innsbruck heeft #wateroverlast	http://bit.ly/wTv0Nx	https://twitter.com/w eermanrobert/status/7 49297683226809600	7492976832 26809600	2025-05-26T11:07:30+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.796388626 986328
4	weiterer Sirenenalarm in und um #Innsbruck - Grosslage durch Starkregen #InTirol +++	https://twitter.com/A lpenherold/status/749 2659191303840	7492659191 303840	2025-05-26T11:09:00+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.989554762 40271
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6	FEUERWEHREINSATZ IBK 03.07 14:34 FW Reichenau - Wasserschaden unter 50 cm Gewerbe/Industrie - 6020 Innsbruck:	https://twitter.com/A lpenherold/status/749 6126418201190400	7496126418 201190400	2025-05-26T11:11:30+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.743384957 135376
7	Severe #Storms leading to #Flooding in Tirol: http://mambolook.com/natural-disasters/floods..., http://mambolook.com	https://twitter.com/S cienceTopNews/status/ 7493900168079747072	7493900168 079747072	2025-05-26T11:12:00+00:0 0	47.2648461 6637628	11.3915874 76473843	flood_testset	flood	0.998256504 35675

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