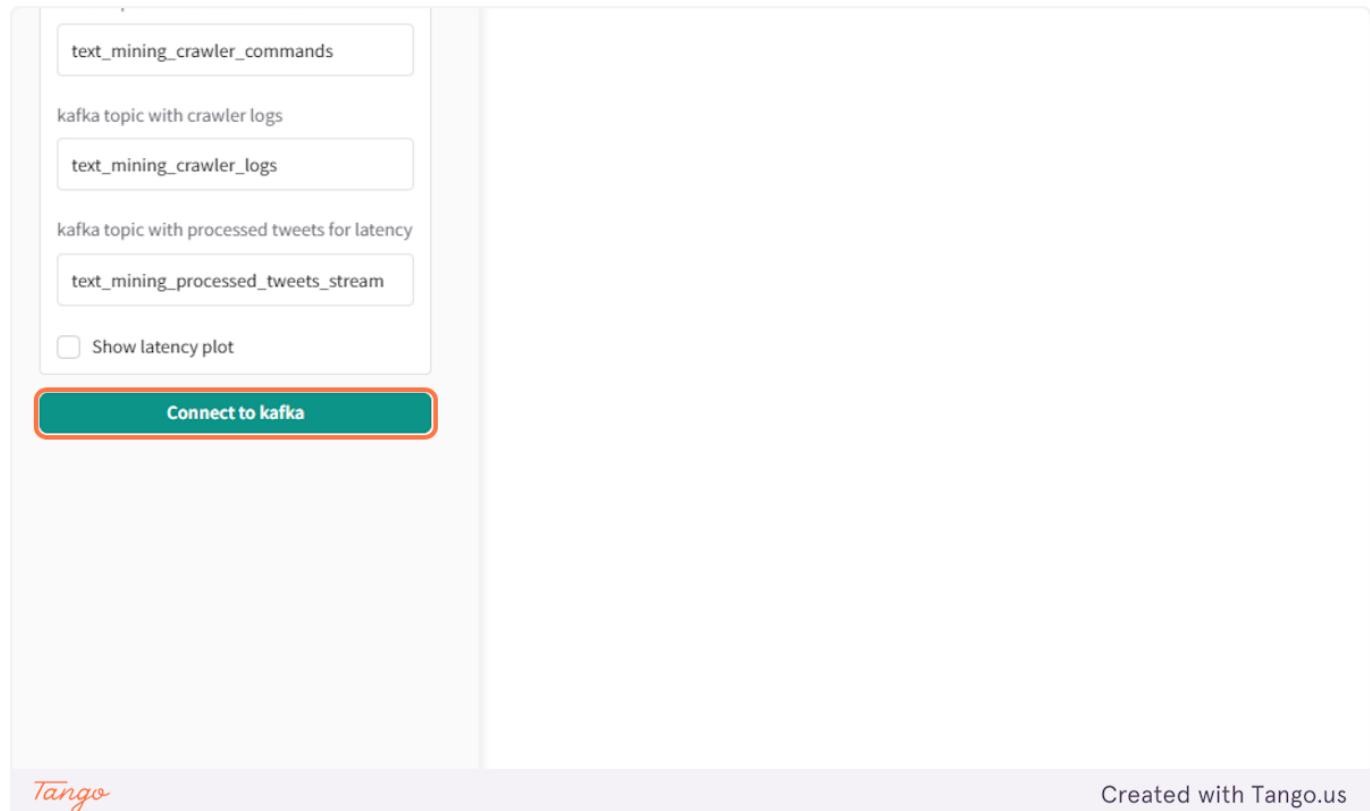


# How to use question answering UI

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".



3. Navigate to the "Crawler UI" tab.

The screenshot shows the Question Answering UI tab selected. It includes fields for Crawl Identifier, X password, X username for crawling, X email for crawling, and Crawl language. The 'X' prefix indicates these are required fields.

Crawl Identifier	X password
Unique identifier to manage the crawl. Ex: flood_dortmund_20250611	account passw .....
X username for crawling	Gmail app a Should be the .....
account username	TCrexdata
X email for crawling	Crawl langu Only those su German
account email	text.mining.crexdata@gmail.com

**Kill Crawl Instance**

Tango Created with Tango.us

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

The screenshot shows the Kafka polling parameters section. It includes fields for Event ID, Number of recent tweets to query, Choose QA Type, Choose Response Language, Choose Query Type, and Ask a question about the incident. The 'Event ID' field is highlighted with an orange border.

Kafka polling parameters	Number of recent tweets to query
Event ID unique event id used for crawling	Round value 50
<b>Get recent posts</b>	
Choose QA Type 'no-RAG' is fast, while 'Genre-RAG' is slow but more accurate	Choose Response Language the language to get your response
no-RAG	English
Choose Query Type choose 'query' to ask a question, or 'summarise' to get a summary of the messages.	
query	
Ask a question about the incident.	
Examples Which streets and locations are mentioned most frequently? W... Is there evidence of vulnerable infrastructure that could be... Where are reports of impassable streets or underpasses occur... Which posts indicate an acute danger to human life? Where do people report water in their living...	
<b>Run QA</b>	
Response.	

Select a tweet\_id in the table to view Embedded tweet

Tango Created with Tango.us

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

The screenshot shows the Tango Question Answering UI interface. At the top, there's a search bar with the placeholder "Number of recent tweets to query" containing the value "50". Below the search bar is a teal header bar with the text "recent posts". Underneath the header, there's a section titled "Choose Response Language" with a dropdown menu set to "English". At the bottom of the screen, there are several input fields and examples: "Is there evidence of vulnerable infrastructure that could be...", "Where are reports of impassable streets or underpasses occur...", "Which posts indicate an acute danger to human life?", and "Where do people report water in their living areas, not just...". On the right side, the text "Created with Tango.us" is visible.

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

The screenshot shows the Tango Question Answering UI interface. The "Get recent posts" button from the previous step is now highlighted with a red rectangle. Below it, there's a teal header bar with the text "Run QA". Underneath the header, there's a response area labeled "Response" which is currently empty. At the bottom of the screen, there's a table with three columns, each containing a number (1, 2, 3). On the right side, the text "Created with Tango.us" is visible.

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/Alpenherold/status/749258463818186752	749258463818186752	2025-05-26T11:00:30+00:00	47.26484616637628	11.391587476473843	flood_testset	flood	0.994545936844727
2	Heftige Unwetter sorgten heute in Tirol für überflutete Straßen, Parkplätze und Keller. Hunderte Notrufe gingen... http://fb.me/2JXGkkoZL	https://twitter.com/TNachrichten/status/749307873826639872	749307873826639872	2025-05-26T11:04:30+00:00	47.26484616637628	11.391587476473843	flood_testset	flood	0.9908415079116821
3	Fors regen en onweersbuien trekken nu over het westen van Oostenrijk. Regio #Innsbruck heeft #wateroverlast   http://bit.ly/wlv0Nx	https://twitter.com/weermanrobert/status/74929760322609600	74929760322609600	2025-05-26T11:07:30+00:00	47.26484616637628	11.391587476473843	flood_testset	flood	0.7963886260986328
4	weiterer Sirenenalarm in und um #Innsbruck - Grosslage durch Starkregen #InTirol +++	https://twitter.com/Alpenherold/status/74926591913830400	74926591913830400	2025-05-26T11:09:00+00:00	47.26484616637628	11.391587476473843	flood_testset	flood	0.989554762840271
5	Nach vereinzelten Einsätzen in Zirl nach Starkregen, stehen wir in Innsbruck Stadt im Einsatz und unterstützen dort die Feuerwehren	https://twitter.com/fw_zirl/status/749315147166246656	749315147166246656	2025-05-26T11:09:30+00:00	47.26484616637628	11.391587476473843	flood_testset	flood	0.810492753682544
6	FEUERWEHREINSATZ IBK 03.07 14:34 FW Reichenau - Wasserschaden unter 50 cm Gewerbe/Industrie - 6020 Innsbruck:	https://twitter.com/Alpenherold/status/749612641820119040	749612641820119040	2025-05-26T11:11:30+00:00	47.26484616637628	11.391587476473843	flood_testset	flood	0.7433849576135376
7	Severe #Storms leading to #Flooding in Tirol: http://mambolook.com/natural-disasters/floods..., http://mambolook.com	https://twitter.com/ScienceTopNews/status/749390016879747072	749390016879747072	2025-05-26T11:12:00+00:00	47.26484616637628	11.391587476473843	flood_testset	flood	0.990256504835675
8	Retweeted RiskMap (@Riskmapintel): Severe Storms Leading To Flooding In #Tirol http://dlvr.it/LjKLz... http://fb.me/42pPf0gad	https://twitter.com/ML_PA_Services/status/749355220163159888	749355220163159888	2025-05-26T11:12:30+00:00	47.26484616637628	11.391587476473843	flood_testset	flood	0.998488496790523
9	Auch am Sonntag hat die Feuerwehr im Großraum Innsbruck noch alle Hände voll zu tun. http://fb.me/31rFVYnn14	https://twitter.com/TNachrichten/status/74950894827743744	74950894827743744	2025-05-26T11:14:00+00:00	47.26484616637628	11.391587476473843	flood_testset	fire	0.9928575754165649

Tango

Created with Tango.us

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

Crawler UI    Relvance UI    **Question Answering UI**    DEBUG/LOG Console

Kafka polling parameters	Number of recent tweets to query Round value
Event ID unique event id used for crawling	50
<b>Get recent posts</b>	
Choose QA Type 'no-RAG' is fast, while 'Genia-RAG' is slow but more accurate <b>no-RAG</b>	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. <b>query</b>	
Ask a question about the incident.	
Examples Which streets and locations are mentioned most frequently? W...    Is there evidence of vulnerable infrastructure that could be...    Where are reports of impassable streets or underpasses occur...    Which posts indicate an acute danger to human life?    Where do people report water in their li...	
<b>Run QA</b>	
Response.	
Select a tweet_id in the table to view Embedded tweet	

Tango

Created with Tango.us

## 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.

The screenshot shows the 'Question Answering UI' tab selected in the top navigation bar. Under 'Kafka polling parameters', the 'Event ID' field contains a placeholder 'unique event id used for crawling'. To its right, the 'Number of recent tweets to query' is set to 50. Below this is a teal button labeled 'Get recent posts'. On the left, under 'Choose QA Type', 'no-RAG' is selected (indicated by a checked checkbox and a red outline). On the right, 'Choose Response Language' is set to English. A text input field for 'Ask a question about the incident' is present. At the bottom, there's a 'Run QA' button and a note to 'Select a tweet\_id in the table to view Embedded tweet'. The footer features the Tango logo and the text 'Created with Tango.us'.

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

This screenshot shows the same 'Question Answering UI' interface. In the 'Choose Response Language' section, 'English' is selected (checked and outlined in red). Other options like German, Spanish, and Catalan are listed below it. The rest of the interface is identical to the previous screenshot, including the 'Get recent posts' button, the 'Run QA' button at the bottom, and the 'Tango' footer.

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

The screenshot shows the 'Question Answering UI' tab selected in the top navigation bar. In the 'Kafka polling parameters' section, the 'Event ID' field contains 'unique event id used for crawling'. The 'Number of recent tweets to query' field is set to '50'. Below this is a teal button labeled 'Get recent posts'. To the left, under 'Choose QA Type', 'no-RAG' is selected. Under 'Choose Query Type', 'query' is selected, which is highlighted with a red border. To the right, 'Choose Response Language' is set to 'English'. At the bottom, there's a 'Run QA' button and a 'Response' text area.

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

This screenshot shows the same 'Question Answering UI' interface. In the 'Choose Query Type' section, 'no-RAG' is selected. Under 'Choose Query Type', 'query' is selected. In the 'Ask a question about the incident.' text area, the first example 'Which streets and locations are mentioned most frequently? W...' is highlighted with a red border. Below this are other examples: 'Is there evidence of vulnerable infrastructure that could be...', 'Where are reports of impassable streets or und...', and 'Do you find evidence of trapped people (e.g., underground pa...'. A teal 'Run QA' button is at the bottom, followed by a 'Response' text area.

13. Then click on "Run QA".

Kafka polling parameters

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 "summarize" to get a summary of the messages.  
query

Ask a question about the incident.  
Which streets and locations are mentioned most frequently? What is the situation like there?

Examples  
Which streets and locations are mentioned most frequently? W... Is there evidence of vulnerable infrastructure that could be... Where are reports of impassable streets or underpasses occur... Which posts indicate an acute danger to human life? Where do people report water in their living areas, not just...  
Do you find evidence of trapped people (e.g., underground pa...

**Run QA**

Response.

Select a tweet\_id in the table to view Embedded tweet

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/AIopenherold/status/749258463818180752	749258463818180752	2025-05-26T11:00:30+00:00	47.2640461	11.3915874	flood_testset	flood	0.9945459364844727
2	Heftige Unwetter sorgten heute in Tirol für Überflutete Straßen, Parkplätze und Keller. Hunderte Notrufe gingen... http://fb.me/2JX0kkcZL	https://twitter.com/TNachrichten/status/749307978382639872	749307978382639872	2025-05-26T11:04:30+00:00	47.2640461	11.3915874	flood_testset	flood	0.998041587116821
3	Fors regen an onweersbuien trekken nu over het westen van Oostelijk. Regio #Innsbruck heeft #wateroverlast ! http://bit.ly/wfV8Nx	https://twitter.com/weermanrbet/status/749297663226099680	749297663226099680	2025-05-26T11:07:30+00:00	47.2640461	11.3915874	flood_testset	flood	0.796388626098328
4	weiterer Sizimenalarm in und um #Innsbruck -	https://twitter.com/AIopenherold/status/74926591915A911-00-00-00-00	74926591915A911-00-00-00-00	2025-05-27.2640461	11.3915874	flood_testset	flood	0.8995547621	

Tango

Created with Tango.us

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

Kafka polling parameters

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 "summarize" to get a summary of the messages.  
query

Ask a question about the incident.  
Which streets and locations are mentioned most frequently? What is the situation like there?

Examples  
Which streets and locations are mentioned most frequently? W... Is there evidence of vulnerable infrastructure that could be... Where are reports of impassable streets or underpasses occur... Which posts indicate an acute danger to human life? Where do people report water in their living areas, not just...  
Do you find evidence of trapped people (e.g., underground pa...

**Run QA**

Response.

Based on the documents, I can identify the most frequently mentioned streets and locations as follows:

1. Innsbruck (#Innsbruck) - mentioned 7 times
2. Amras (#Amras) - mentioned 5 times
3. DEZ (#DEZ-Thefrage) - mentioned 4 times
4. Tini (#Tirol) - mentioned 4 times

As for the situation like these locations, it appears that the areas are experiencing severe flooding and waterlogging due to heavy rain and storms. The documents mention "Starkregen" ("heavy rain") and "Unwetter" ("floods") in many of the locations.

Some specific situations mentioned include:

- Innsbruck: Streets are flooded, parkplätze are overflooded, and Keller (basements) are affected (documents 2, 4, 6, 9)
- Amras: The Keller is flooded with water, and residents are concerned about their safety (Amras #wetter #Keller) (document 10)
- DEZ: Cars are stuck in the floodwater, and there's a risk of more severe flooding (documents 13, 14)
- Schloss Ambras: The road down to the castle is flooded, and cars are stuck in the water (document 19)

Overall, it seems that the area is experiencing a significant impact from the heavy rain and floods.

Select a tweet\_id in the table to view Embedded tweet

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	https://twitter.com/AIopenherold/status/749258463818180752	749258463818180752	2025-05-26T11:00:30+00:00	47.2640461	11.3915874	flood_testset	flood	0.9945459364844727

Tango

Created with Tango.us

## 15. You can also click on "tweet\_id" in the table to view the embedded post from X.

- Schloss Ambras: The road down to the castle is flooded, and cars are stuck in the water (document 19)

Overall, it seems that the area is experiencing a significant impact from the heavy rain and floods.

Select a tweet\_id in the table to view Embedded tweet

index	tweet_text	tweet_url
1	#Wetter Jetzt #Starkregen mit Sturm in #Innsbruck #InTirol	<a href="https://twitter.com/Alpenherold/status/7492584638265110160">https://twitter.com/Alpenherold/status/7492584638265110160</a>
2	Heftige Unwetter sorgten heute in Tirol für Überflutete Straßen, Parkplätze und Keller. Hunderte Notrufe gingen... <a href="http://fb.me/2JXGkkkoZL">http://fb.me/2JXGkkkoZL</a>	<a href="https://twitter.com/TNachrichten/status/749307873826639872">https://twitter.com/TNachrichten/status/749307873826639872</a>
3	Fors regen en onweersbuien trekken nu over het westen van Oostenrijk. Regio #Innsbruck heeft #wateroverlast   <a href="http://bit.ly/wTv0Nx">http://bit.ly/wTv0Nx</a>	<a href="https://twitter.com/weermanrobert/status/749297603226009600">https://twitter.com/weermanrobert/status/749297603226009600</a>
4	weiterer Sirenenalarm in und um #Innsbruck - Grosslage durch Starkregen #InTirol +++	<a href="https://twitter.com/Alpenherold/status/749265919113830400">https://twitter.com/Alpenherold/status/749265919113830400</a>
5	Nach vereinzelten Einsätzen in Zirl nach Starkregen, stehen wir in Innsbruck Stadt im Einsatz und unterstützen dort die Feuerwehren	<a href="https://twitter.com/fw_zirl/status/749315147106246656">https://twitter.com/fw_zirl/status/749315147106246656</a>
6	FEUERWEHREINSATZ IBK 03.07 14:34 FW Reichenau - Wasserschaden unter 50 cm Gewerbe/Industrie - 6020 Innsbruck:	<a href="https://twitter.com/Alpenherold/status/7492612480119040">https://twitter.com/Alpenherold/status/7492612480119040</a>
7	Severe #Storms leading to #Flooding in Tirol: <a href="http://mambolook.com/natural-disasters/floods...">http://mambolook.com/natural-disasters/floods...</a> , <a href="http://mambolook.com">http://mambolook.com</a>	<a href="https://twitter.com/ScienceTopNews/status/7493900168079747072">https://twitter.com/ScienceTopNews/status/7493900168079747072</a>
	Retweeted RiskMap (@Riskmapintel): Severe Storms	<a href="https://twitter.com/M">https://twitter.com/M</a>

Tango

Created with Tango.us

## 16. Click on Kafka polling parameters...

Get recent posts

Choose QA Type  
no-RAG is fast, while "Generic RAG" is slow but more accurate  
no-RAG

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

Ask a question about the incident.  
Which streets and locations are mentioned most frequently? What is the situation like there?

Examples  
Which streets and locations are mentioned most frequently? W... Is there evidence of vulnerable infrastructure that could be... Where are reports of impassable streets or underpasses occur... Which posts indicate an acute danger to human life? Where do people report water in their living areas, not just...

Do you find evidence of trapped people (e.g., underground pa...

Run QA

Response.  
Based on the documents, I can identify the most frequently mentioned streets and locations as follows:  
1. Innsbruck (#Innsbruck) - mentioned 7 times  
2. Amras (#Amras) - mentioned 5 times  
3. DE2 (DE2-Tiefgarage) - mentioned 4 times  
4. Tirol (#Tirol) - mentioned 4 times

As for the situation like these locations, it appears that the areas are experiencing severe flooding and waterlogging due to heavy rain and storms. The documents mention "Starkregen" ("heavy rain") and "Unwetter" ("floods") in many of the locations.

Some specific situations mentioned:  
- Innsbruck: Streets are flooded, parkplätze are overwhelmed, and Keller (basements) are affected (documents 2, 4, 6, 9)  
- Amras: The Keller is flooded with water, and residents are concerned about their safety (#Amras #Unwetter #Keller) (document 10)  
- DE2: Cars are stuck in the floodwater, and there's a risk of more severe flooding (documents 13, 14)  
- Schloss Ambras: The road down to the castle is flooded, and cars are stuck in the water (document 19)

Overall, it seems that the area is experiencing a significant impact from the heavy rain and floods.

Select a tweet\_id in the table to view Embedded tweet

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	<a href="https://twitter.com/Alpenherold/status/7492584638265110160">https://twitter.com/Alpenherold/status/7492584638265110160</a>	7492584638265110160	2025-05-26T11:00:30+00:00	47.2648461	11.3915874	flood_testset	flood	0.994545936084727
2	Heftige Unwetter sorgten heute in Tirol für Überflutete Straßen, Parkplätze und Keller. Hunderte Notrufe gingen... <a href="http://fb.me/2JXGkkkoZL">http://fb.me/2JXGkkkoZL</a>	<a href="https://twitter.com/TNachrichten/status/749307873826639872">https://twitter.com/TNachrichten/status/749307873826639872</a>	749307873826639872	2025-05-26T11:04:38+00:00	6637628	11.3915874	flood_testset	flood	0.998041567115821
3	Fors regen en onweersbuien trekken nu over het westen van Oostenrijk. Regio #Innsbruck heeft #wateroverlast   <a href="http://bit.ly/wTv0Nx">http://bit.ly/wTv0Nx</a>	<a href="https://twitter.com/weermanrobert/status/749297603226009600">https://twitter.com/weermanrobert/status/749297603226009600</a>	749297603226009600	2025-05-26T11:07:38+00:00	6637628	11.3915874	flood_testset	flood	0.9963886261906328

Tango

Created with Tango.us

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

8 / 9

Event ID  
unique event id used for crowding

Number of recent tweets to query  
Round value

50

**Get recent posts**

Choose QA Type  
"no-RAG" is fast, while "GPTa-RAG" is slow but more accurate

no-RAG

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

summarise

Choose Response Language  
the language to get your response

English

Examples

Run QA

Response:

A severe storm has hit the Innsbruck region in Austria, causing extensive flooding and damage. Heavy rainfall led to overfluffed 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

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_ipnheinzold/status/7492554646381806752	18186752	2025-05-26T11:09:30+00:00	47.2648461	11.3915874	flood_testset	flood	0.994549360484727
2	Heftige Unwetter sorgten heute in Tirol für Überflutete Straßen, Parkplätze und Keller. Hunderte Notrufe gingen... http://fb.me/2XGkk0ZL	https://twitter.com/T_Nachrichten/status/726639872	7493978738	2025-05-26T11:04:30+00:00	47.2648461	11.3915874	flood_testset	flood	0.999841507116821
3	Fors zeigen an onweersbuien trekken nu over het westen van Oostenrijk. Regio #Innsbruck heeft #wateroverlast   http://bit.ly/wtV0Nx	https://twitter.com/w_eemannrobert/status/7492976832266896608	26099600	2025-05-26T11:09:30+00:00	47.2648461	11.3915874	flood_testset	flood	0.796388626096328
4	weiterer Sirenenalarm in und um #Innsbruck - Grosslage durch Starkregen #InTirol +++	https://twitter.com/A_ipnheinzold/status/749265919113836408	13830400	2025-05-26T11:09:30+00:00	47.2648461	11.3915874	flood_testset	flood	0.899554762148271
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/749315151	86246656	2025-05-26T11:09:30+00:00	47.2648461	11.3915874	flood_testset	flood	0.818492753182544
6	FEUERWEHREINSATZ IBK 03.07.14:34 FM Reichental - Wasserschaden unter 50 cm Gewerbe/Industrie - 6020 Innsbruck:	https://twitter.com/A_ipnheinzold/status/7496126418	20196040	2025-05-26T11:11:30+00:00	47.2648461	11.3915874	flood_testset	flood	0.743384957135376
7	Severe #Storms leading to #flooding in Tirol: http://mambolook.com/natural-disasters/floods..., http://mambolook.com	https://twitter.com/S_cienceTopNews/status/749398916879747972	749398916879747972	2025-05-26T11:12:00+00:00	47.2648461	11.3915874	flood_testset	flood	0.998256504135675

**Tango** Created with Tango.us

---

Created with [Tango.ai](#)