**Analyze feedback using AWS Comprehend and**

send it to a Mattermost channel

Workflow Overview

1. **Typeform Trigger:**
   * **Function:** Triggers the workflow when a new Typeform submission is received.
   * **Configuration:**
     + Listens to the form with the specified form ID (DuJHEGW5).
     + Captures the feedback text from the field "What did you think about the event?".
2. **AWS Comprehend:**
   * **Function:** Analyzes the sentiment of the feedback.
   * **Configuration:**
     + Uses AWS Comprehend to detect sentiment in the feedback text.
     + Outputs sentiment data including a sentiment label (e.g., "NEGATIVE") and numerical scores.
3. **IF Node:**
   * **Function:** Checks whether the sentiment of the feedback is negative.
   * **Configuration:**
     + Evaluates the string value of the sentiment from AWS Comprehend.
     + The condition is set to trigger the positive branch if the sentiment equals "NEGATIVE", and the false branch otherwise.
4. **Mattermost Notification:**
   * **Function:** Sends a message to a Mattermost channel when the IF node’s condition is met.
   * **Configuration:**
     + The message includes the negative sentiment score and the original feedback text.
     + Uses the Mattermost node to post the message to a specific channel (h7cxrd1cefr13x689enzyw7xhc).
     + The message is formatted to clearly indicate that negative feedback was received.
5. **NoOp Node:**
   * **Function:** Acts as a placeholder when the sentiment is not negative.
   * **Configuration:**
     + If the IF condition is not met (i.e., sentiment is not negative), the workflow follows this branch and does nothing further.

Data Flow

* **Step 1:** A new form submission is captured by the Typeform Trigger.
* **Step 2:** The feedback text is sent to AWS Comprehend for sentiment analysis.
* **Step 3:** The IF node evaluates whether the sentiment label is "NEGATIVE".
* **Step 4:** If the sentiment is negative, a message is sent to the specified Mattermost channel with the negative sentiment score and feedback details. Otherwise, no action is taken (NoOp).

Customization Options

* **Thresholds & Conditions:**
  + You can modify the IF node to check for different sentiment conditions if needed.
* **Message Formatting:**
  + The Mattermost message can be adjusted to include additional information or a different format.
* **Field Names:**
  + The workflow references specific field names (like "What did you think about the event?") from the Typeform response; adjust these if your form uses different field names.
* **Credentials:**
  + Ensure that all nodes have the correct credentials set up (e.g., AWS Comprehend, Mattermost, Typeform).