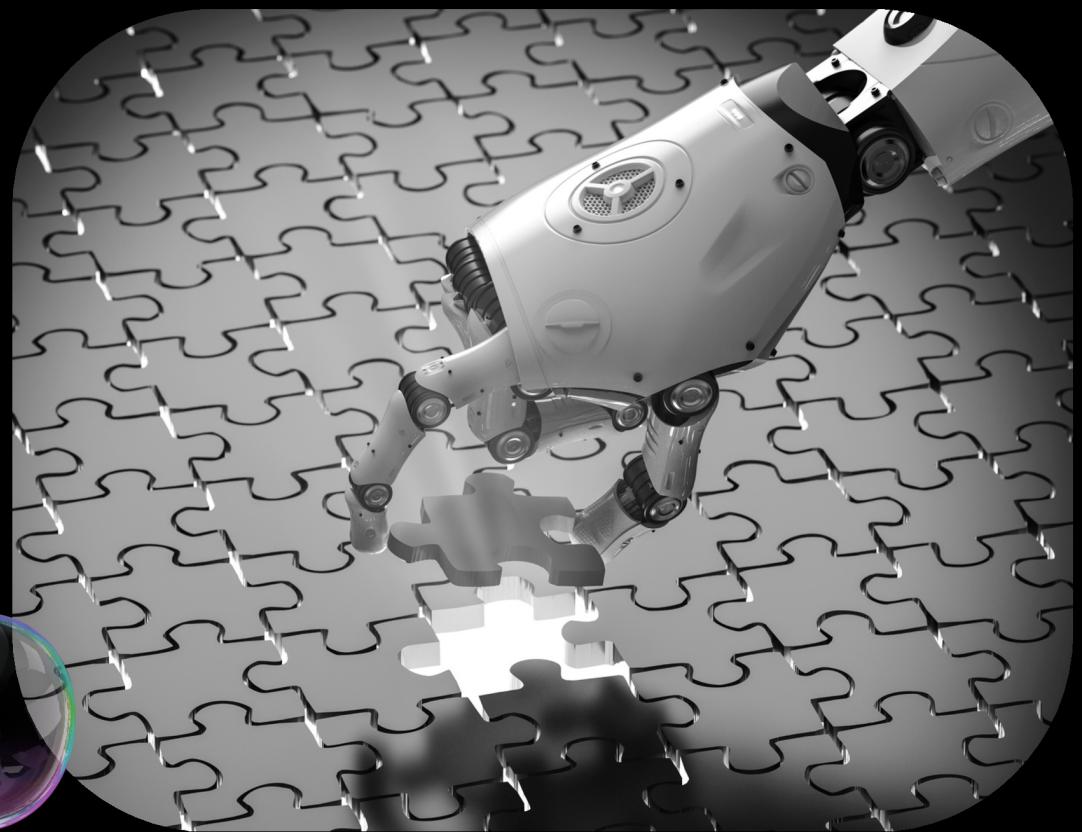


Azure Mastery: Building Smarter Bots

Evaluation



Created by
Katerina Chernevskaya



Prompt Flow Evaluation

Definition

The process of assess the effectiveness and accuracy of the AI responses generated within the flow.

It's essential for ensuring the responses meet the intended requirements.



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Prompt Flow Evaluation

Purpose

This process is crucial to evaluate the flow's performance. Evaluation measures how well the AI understands and responds to user inputs. By assessing token consumption, developers can optimize how resources are used, ensuring efficiency. This comprehensive evaluation ensures that the Prompt Flow meets both functional and budgetary requirements, enhancing overall project sustainability.



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Prompt Flow Evaluation

Benefits

- **Identifies Gaps:** Helps pinpoint deficiencies and strategize for necessary improvements, keeping the project aligned with its goals.
- **Boosts User Satisfaction:** Ensures that the AI meets or exceeds user expectations, increasing engagement and loyalty.
- **Drives Continual Improvement:** Facilitates ongoing enhancements in AI application performance through regular feedback and adjustments.



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Prompt Flow Evaluation



Available Metrics:

- Risk and safety metrics
 - Hateful and unfair content defect rate
 - Sexual content defect rate
 - Violent content defect rate
 - Self-harm-related content defect rate
 - Jailbreak defect rate
- Generation quality metrics
 - Coherence
 - Fluency
 - Groundedness
 - Relevance
 - Retrieval score
 - Similarity



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Prompt Flow Evaluation

Prerequisites

- A test dataset in one of these formats: **csv** or **jsonl**.
- An Azure OpenAI connection.
- A deployment of one of these models: GPT 3.5 models, GPT 4 models, or Davinci models.
- Run Compute instance



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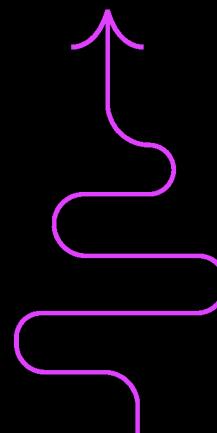
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Key Terms

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