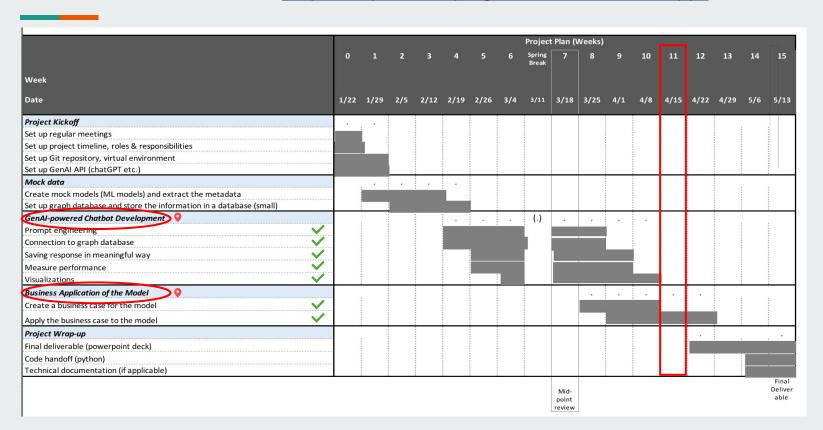
KPMG Capstone Weekly Update

2024.04.17

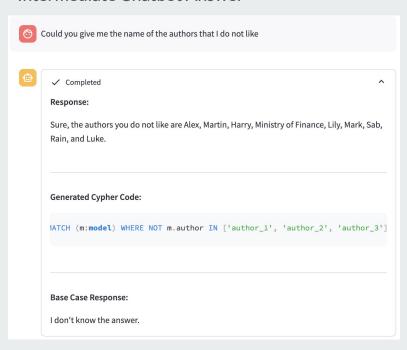
Schedule

https://capstone-kpmg-chatbot.streamlit.app/

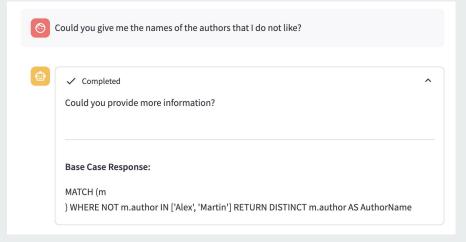


Update - Guardrail

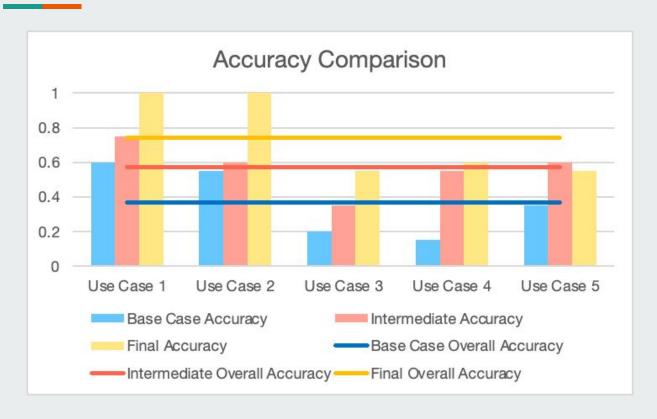
Intermediate Chatbot Answer



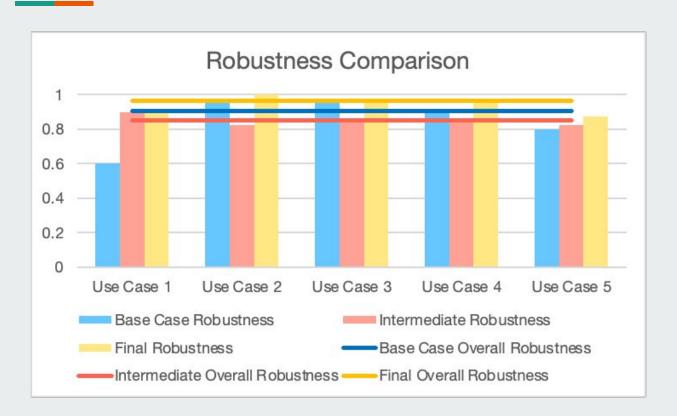
Final Chatbot Answer



Update - Accuracy



Update - Robustness





How can I use this chatbot?



✓ Completed

Response:

To use this chatbot effectively, you can follow these steps:

- Explore Graph Database: You can start by exploring the graph database visualizations
 provided. Each visualization represents a different aspect of KPMG's internal reports,
 models, or databases. You can ask for more details about a specific visualization or its
 components.
- Ask Questions: Feel free to ask any questions related to the data, reports, or models within KPMG. The chatbot is here to provide you with information and guidance.
- Follow Prompts: The chatbot will provide prompts and suggestions based on your interactions. Follow these prompts to navigate through the information effectively.
- Request Assistance: If you need help with a specific topic or have trouble understanding something, don't hesitate to ask for assistance. The chatbot is here to help you.
- Feedback: If you have any feedback or suggestions on how we can improve the chatbot or the information provided, feel free to share it.

By following these steps, you can make the most out of the chatbot and access the information you need efficiently. Let me know if you have any specific questions or if you'd like to start exploring the graph database visualizations.

Base Case Response:

I don't know the answer.

oloyee

Where're the good places around KPMG New York to grab lunch? Any recommendations?

Completed
Response:

There are plenty of great places around KPMG New York to grab lunch! Some popular recommendations include Shake Shack for delicious burgers and shakes, Sweetgreen for fresh salads and bowls, Xi'an Famous Foods for flavorful Chinese cuisine, and Joe's Pizza for a classic New York slice. If you're in the mood for something different, you can also check out Eataly for a variety of Italian options or Le Pain Quotidien for tasty sandwiches and pastries. Enjoy your lunch!

Remember, I'm here to help you understand the relationship between KPMG's reports, data, and models.

Base Case Response:

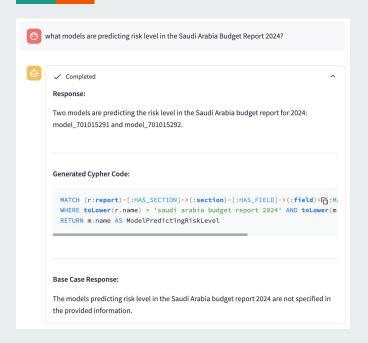
I don't know the answer.

Business Analyst

Hello, I'm analyzing market trends and need specific information. Can you provide the names of the reports that include sections titled with the word 'China'? ✓ Completed ^ Response: The report that includes a section titled with the word 'China' is "Global Economic Outlook -December 2023". **Generated Cypher Code:** MATCH (s:section) WHERE toLower(s.name) CONTAINS 'china' MATCH (r:report)-[:HAS_SECTION]->(s) RETURN DISTINCT r.name AS ReportName **Base Case Response:** The reports that include sections titled with the word 'china' are not provided in the schema of the Neo4j database.

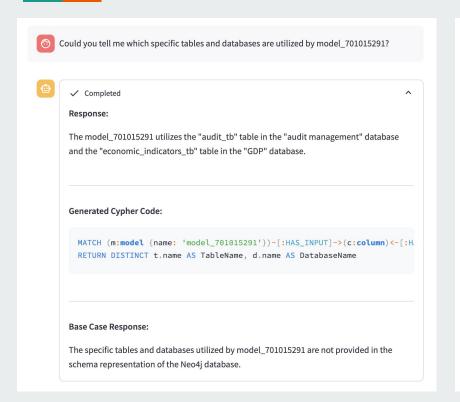
I'm currently analyzing fiscal policies for a project. What are the fields included in the Saudi Arabia Budget Report 2024? ✓ Completed Response: The fields included in the Saudi Arabia budget report for 2024 are Total Revenue, Total Expenditure, Budget Deficit, Total Public Debt, Tax Revenue, Non Tax Revenue, and various other categories such as Defense, Education, and Infrastructure. **Generated Cypher Code:** MATCH (r:report)-[:HAS_SECTION]->(s:section)-[:HAS_FIELD]->(f:field) WHERE toLower(r.name) = 'saudi arabia budget report 2024' RETURN f.name AS FieldName **Base Case Response:** The fields included in the Saudi Arabia budget report 2024 are name, entitlements, business_group, report_format, and author.

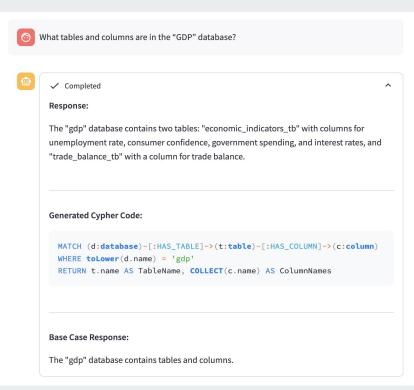
Data Scientist



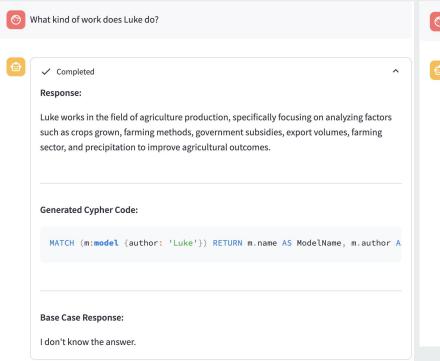
For model_701015291 and model_701015292, which model has the higher accuracy and what is the type of that model? ✓ Completed Response: The model with the higher accuracy is a Neural Networks model with an accuracy of 0.66. **Generated Cypher Code:** MATCH (ml:model) WHERE toLower(ml.name) = 'model_701015291' MATCH (m2:model) WHERE toLower(m2.name) = 'model_701015292' WITH m1, m2 RETURN WHEN ml.accuracy > m2.accuracy THEN ml.model_type ELSE m2.model_type END AS ModelType, WHEN ml.accuracy > m2.accuracy THEN ml.accuracy ELSE m2.accuracy END AS HigherAccuracy Base Case Response: For model_701015291 and model_701015292, the model with the higher accuracy is model_701015291 and its type is regression.

Data Engineer





Product Manager



Could you give me Luke's email ✓ Completed Response: Luke's email is <u>luke@kpmg.com</u>. **Generated Cypher Code:** MATCH (m:model {author: 'Luke'}) RETURN m.author_email AS AuthorEmail **Base Case Response:** I don't know the answer.