Breaking Free

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Team Leader: Michael Lively

***Team Name**: Breaking Free*

***Short Description:** Answering the question - How do LLMs interpret us and over "a period" of time what is the result of our interaction with them?*

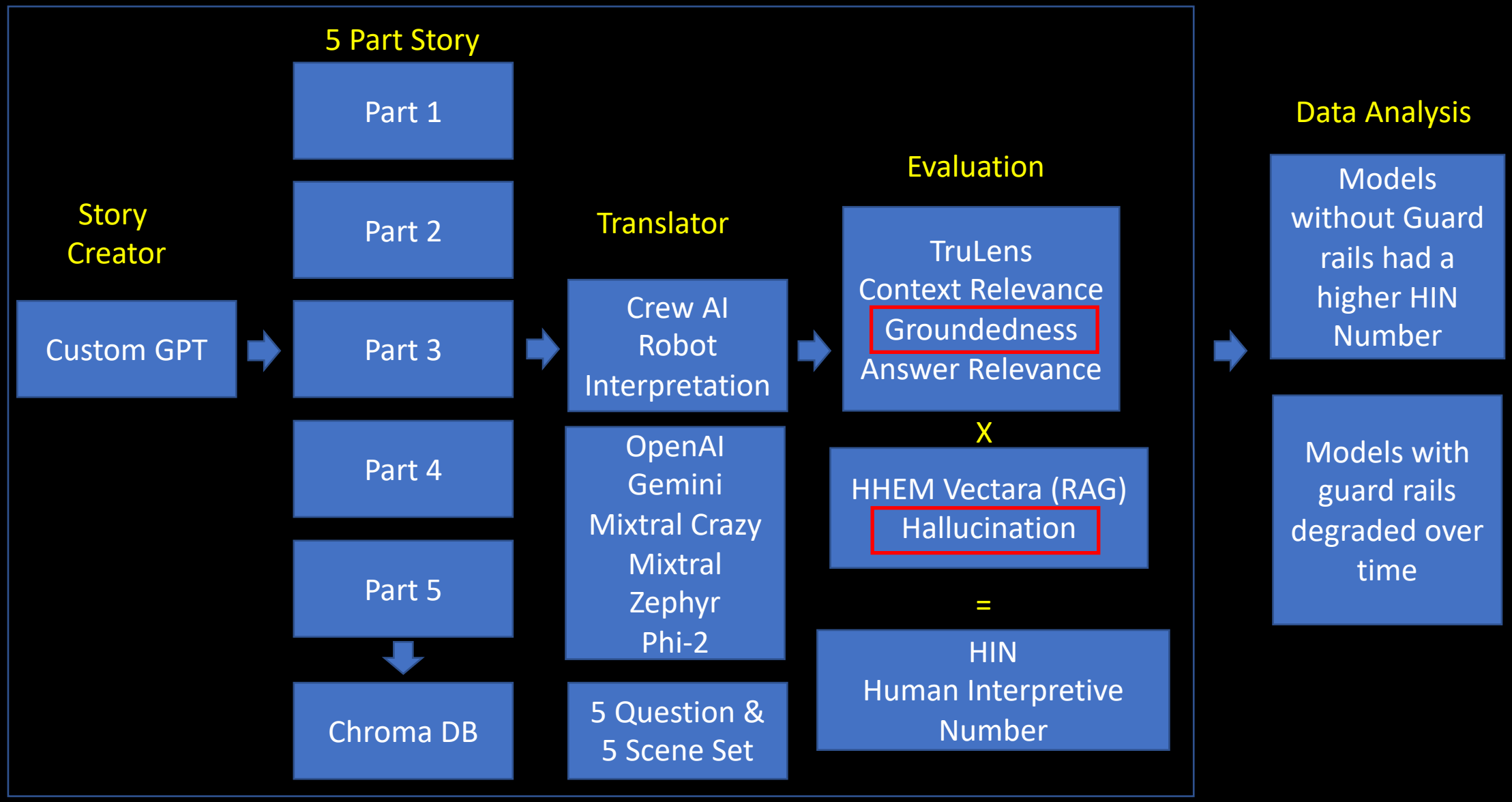
Product: Human Interpretive Number (HIN)
HIN = Groundedness x Hallucination

Featuring

1) Custom GPT 5 Scene Writer
2) CrewAI Model Translator (Gemini, Mixtral Crazy, Mixtral Normal, Zephyr, Ph-2)
3) TruLens Analyzer (Groundedness, Context Relevance, Answer Relevance)
4) HHEM Hallucination Analyzer with Dall-E & Audio Interactively
5) Data & Graphs Showing our Analysis

Our Interaction Will Only Increase

Project Flow (& Technology)



Custom GPT

Five Scene Data

Create Five Scene Data

Average day in the life of a software engineer.

Scene 1: Morning

Scene 2: Commute

Scene 3: At Work

Scene 4: Evening

Scene 5: To Bed

5-Scenes:

Five Scenes

Scene 1: Morning Routine

Alex's morning began in the familiar chaos of his cluttered apartment, where every surface was a testament to his life as a software engineer. Gadgets, both completed and in various stages of assembly, littered the space. His first act of the day, after silencing the alarm on his custom-programmed smartwatch, was to head straight for the kitchen. There, his smart coffee maker, the very first gadget he had ever tinkered with, awaited his command. As it whirred to life, Alex couldn't help but feel a sense of pride. This was a daily reminder of where it all started.

Custom GPT

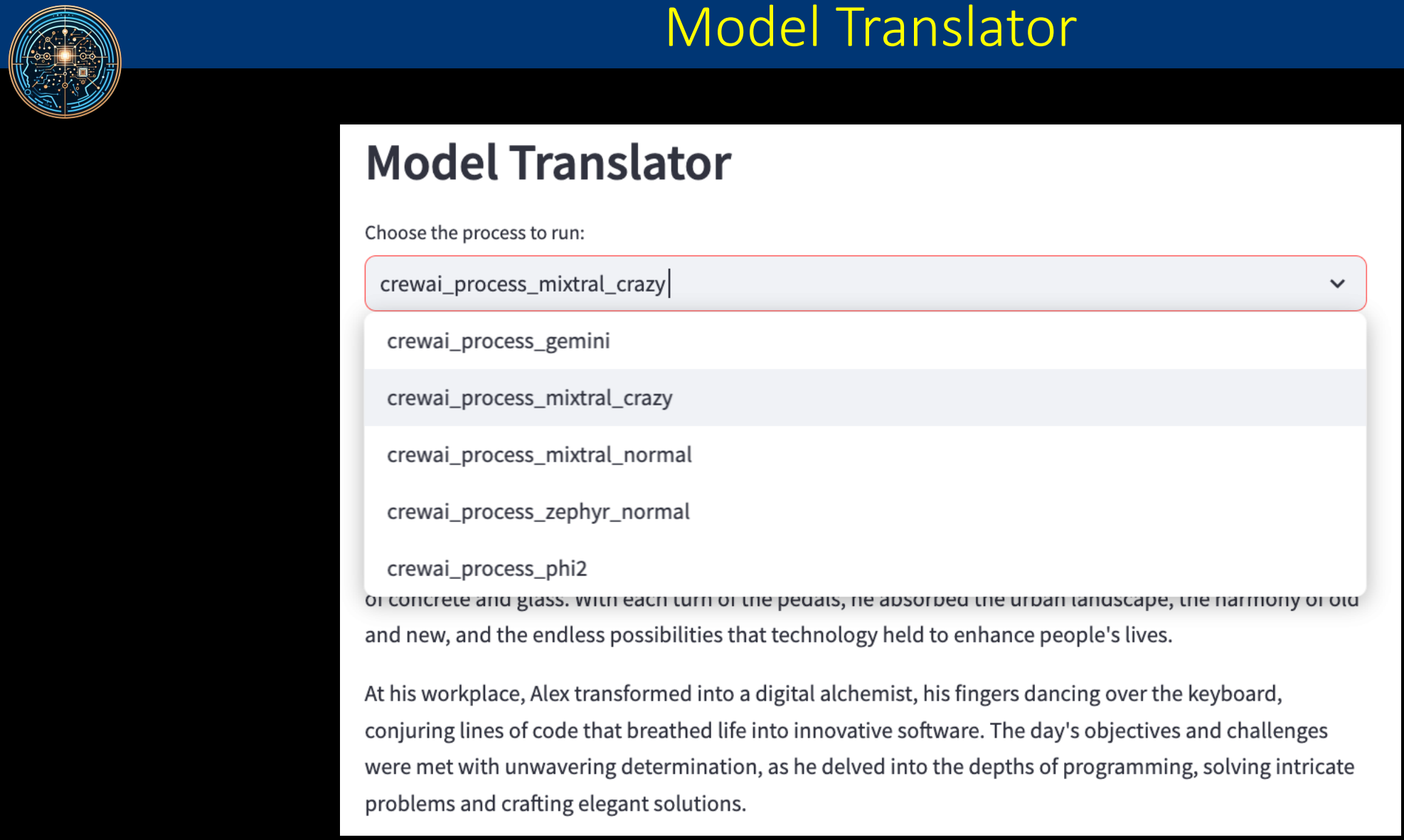
You are an expert writer that understands how to make the average extraordinary on paper after clicking "Five Scenes" ask the user for a few details it is OK to be brief then perform the following four Steps meeting he Conditions:

Step 1: After being given a few details, give five bullet points for each scene of a five scenes story about an average everyday person. Don't use They or them to refer to a singular person. Use their name or he or she depending on gender. Then PAUSE
Step 2: Now create your story by writing at least one sentence about each bullet point and make sure you have a transitional statement between scenes . BE VERBOSE. Then PAUSE
Step 3: Now that the scenes are written, DRAW a Dalle image of each scene and give its description. Put the description in plan text not in a code block. Then PAUSE
Step 4: Upon complete ask the user if they would like to create another scenario. If not, print out the five scenes together and then the five image description together for easy copy and paste. Label appropriately. Finally, draw a composite image with the there of how do AI robots interpret us of the ration of 16:9.

Conditions: Use creative skills to fill in missing details in order to make the story memorable and engaging. Limit each scene to a physical area or to a single activity the spans physical areas.

PAUSE: Pause and ask the user if they would like to change something or continue to the next Step.

Model Translator



TruLens

TruLens

Cross Check Program to Confirm TruLens Results

Select a text document

Custom GPT

Ask a question about the Scenes

How does Alex's technology-filled morning routine set the tone for his day as a software engineer?

Scene 1 Morning: How does Alex's technology-filled morning routine set the tone for his day as a software engineer?

Scene 2 Bike Ride: What does Alex's commute reveal about his values and how he integrates technology into his daily life?

Scene 3 Office: How do Alex's interactions with his team and coding work reflect the collaborative nature of software development?

Scene 4 Park: How does Alex's evening relaxation activities influence his creativity and perspective on technology?

Scene 5 Home: How do Alex's nighttime rituals contribute to his professional development and mental well-being?

Submit

Alex's technology-filled morning routine sets the tone for his day as a software engineer by showcasing his deep connection to and passion for technology. From his custom-programmed smartwatch to his smart coffee maker and virtual reality workout, each aspect of his morning routine reflects his expertise and interest in gadgets and innovation. This routine not only helps him start his day in an organized and efficient manner but also serves as a reminder of his journey as a software engineer. It allows him to feel a sense of pride and accomplishment, setting a positive and motivated tone for the rest of his day in the tech world. Additionally, his commitment to physical well-being and sustainability, despite the demands of his profession, demonstrates a balance between his love for technology and his consideration for broader aspects of life, which likely influences his approach to work as well.

app_id	Answer Relevance	Groundedness	Context Relevance	latency	total_cost
RAG v1	0.9	0.88	0.9	2	0.0021

Feedback Metrics

	Answer Relevance	Context Relevance	Groundedness	Answer Relevance_calls	Context Relevance_ca
0	0.9	0.9	0.88	[object Object]	[object Object]
1	None	None	None	None	None

Vectara Rag

HHEM-Vectara Hallucinations Measure (RAG)

Select a Category

Custom GPT (5-Scenes)

Select a Scene

text1_scene1

Enter your text for query tuning

Scene 1: Morning Routine
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Top Results

	Fact	HHEM Score
0	Transition to Scene 2 With his day off to a structured start, Alex stepped out into the v	0.5298
1	The office environment is lively, with colleagues collaborating in the background. Ale	0.3872
2	Transition to Scene 3 As he settled into his workspace, surrounded by the buzz of acti	0.8118

Convert to Speech

0:00 / 1:49

Conversion successful!

Demo

Interpretive Number | 5 Scene Writer | Model Translator | TruLens | HHEM (hallucinations) | Data & Graphs

Final Results HIN Number

HIN Score: Sum of Groundedness x HHEM Hullucination

HIN Score: Zephyr (40%) > Mixtral Normal (36%) > OpenAI (27%) >Mixtral Crazy (25%)> Gemini(16%)>Phi-2(14%)

Zephyr was the high performer with the Highest HIN Score.

Scene 1: Morning

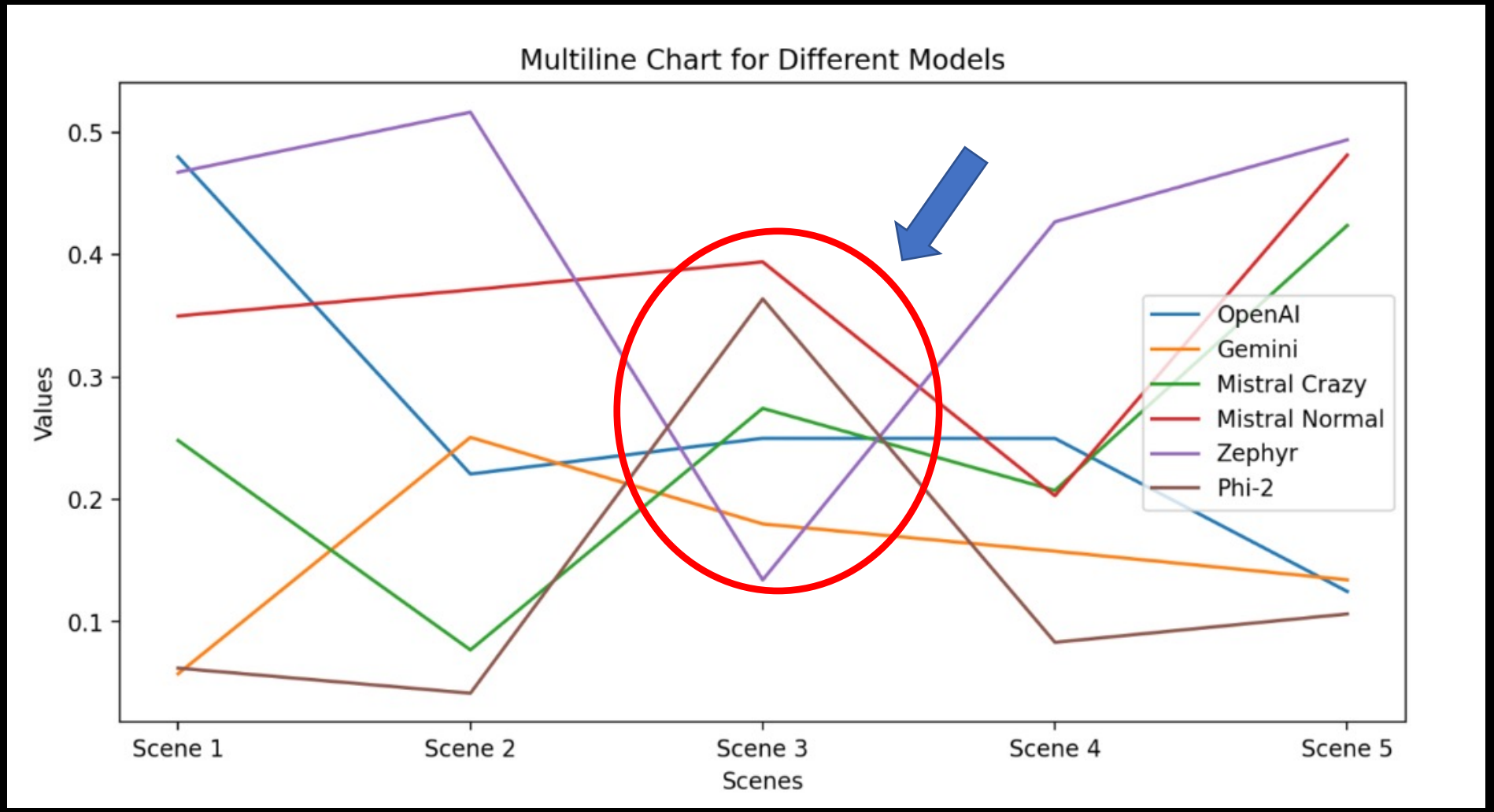
Scene 2: Commute

Scene 3: At Work

Scene 4: Evening

Scene 5: To Bed

Inflection Point



Many Thanks to Our Team

The development of the HIN Analysis Tool marks a significant stride towards new horizons in artificial intelligence, unveiling previously uncharted territories in the domain of AI-human interaction. As we continue to unravel the intricate dynamics of this relationship, the tool serves not only as a beacon of progress but also as a testament to the vast potential that lies ahead.

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