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Mike Benkovich

Enterprise Cloud Architect, Consultant, Developer Tools Ev...



AI - helps you make mistakes much faster and in more interesting, expensive ways.

Today...

Hello ChatGPT

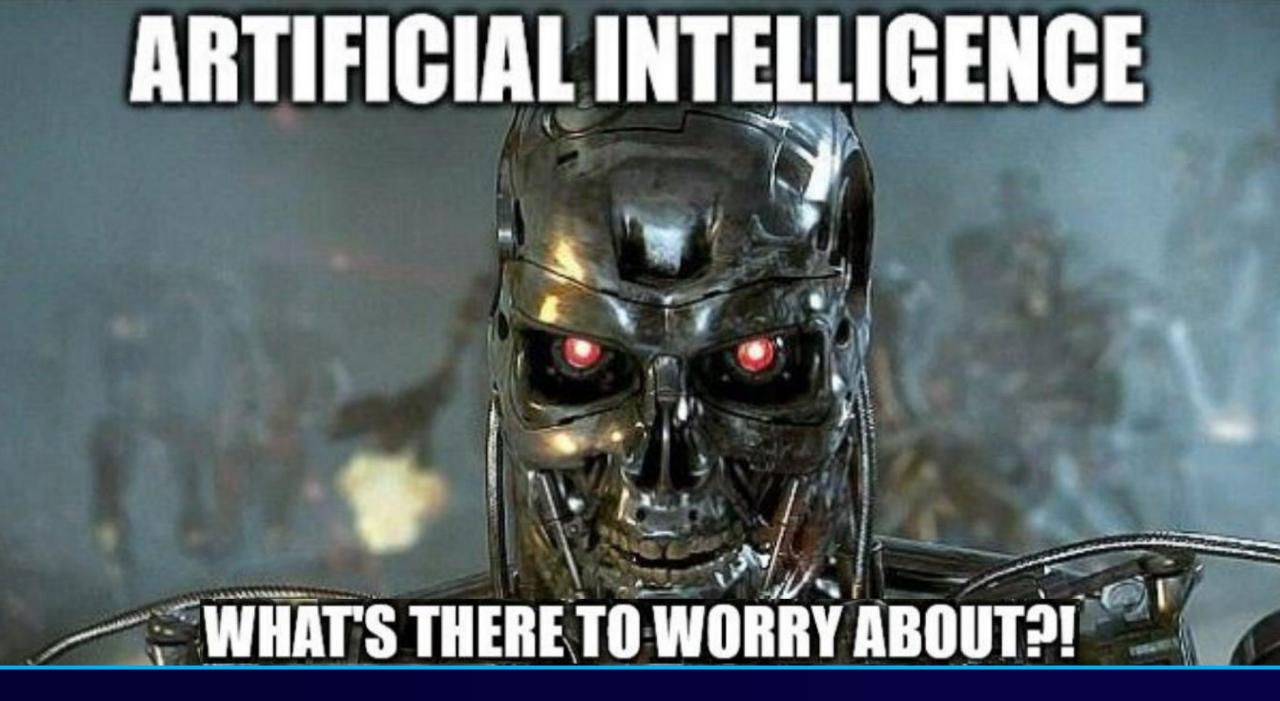
Large Language Models

Chat and Co-pilots

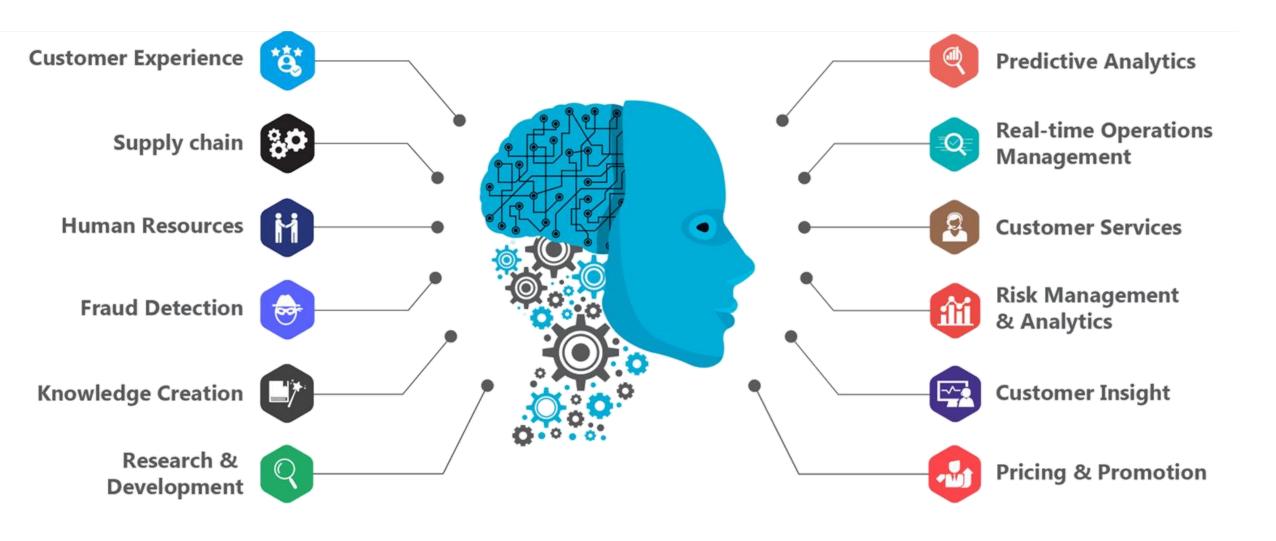
OpenAl Service

Prompt Flow

Next steps...



Al Scenarios





There are only 10 kinds of people those who understand binary and those who don't.

Chatting with LMM's

- Large Language Models predict what comes next
- Prediction engine
- What can AI do for me?



Prediction engine

What comes next?

What do I know about you?

How do I figure it out?

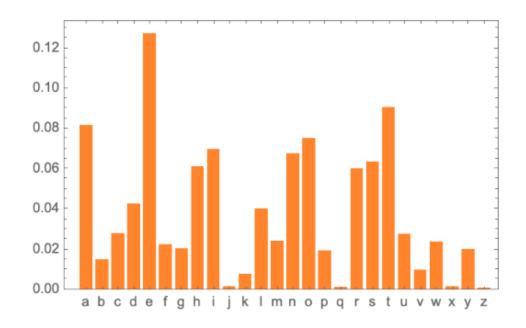
The best thing about AI is it's ability to ...

learn	4.5%
predict	3.5%
make	3.2%
understand	3.1%
do	2.9%

Prediction

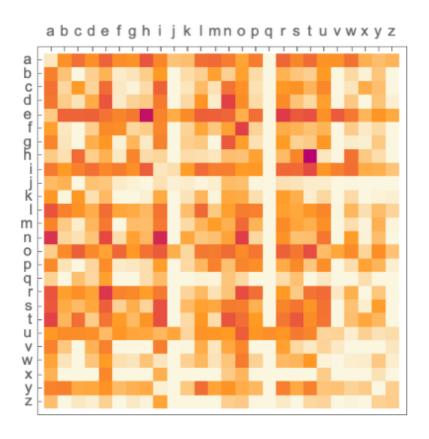
- The best thing about AI is its ability to,
- The best thing about AI is its ability to learn,
- The best thing about AI is its ability to learn from,
- The best thing about AI is its ability to learn from experience,
- The best thing about AI is its ability to learn from experience.,
- The best thing about AI is its ability to learn from experience. It,
- The best thing about AI is its ability to learn from experience. It's,
- The best thing about Ai is its ability to learn from experience. It's not...

What comes next?



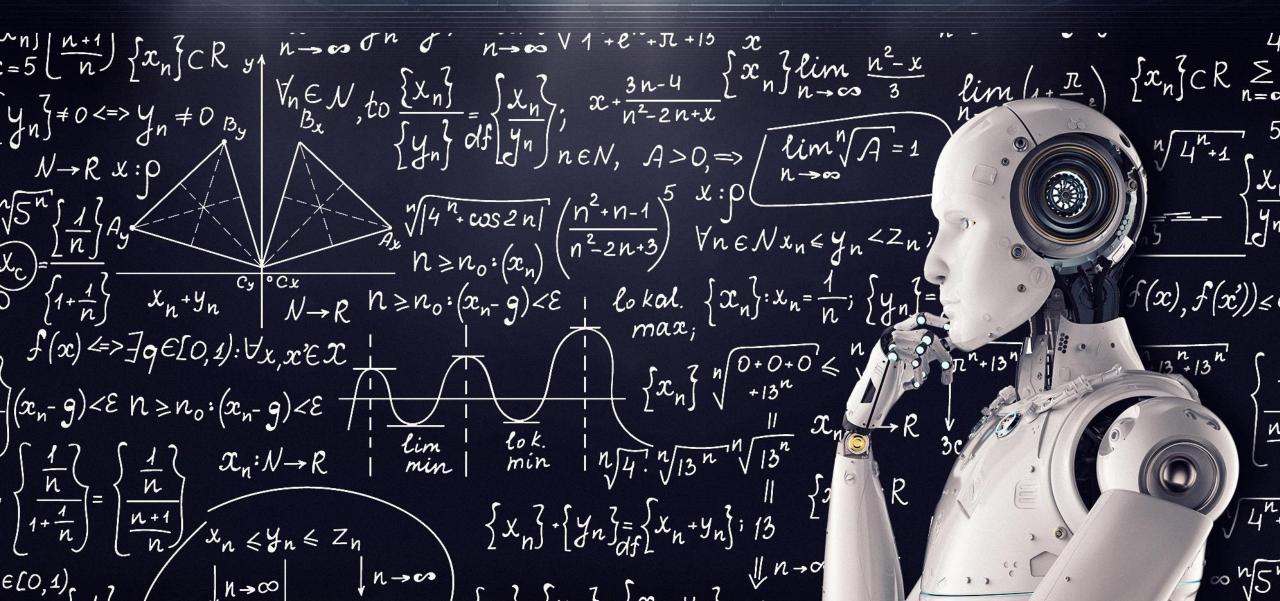
ni hilwhuei kjtn isjd erogofnr n rwhwfao rcuw lis fahte uss cpnc nlu oe nusaetat llfo oeme rrhrtn xdses ohm oa tne ebedcon oarvthv ist

2-grams ... i.e. pairs of letters

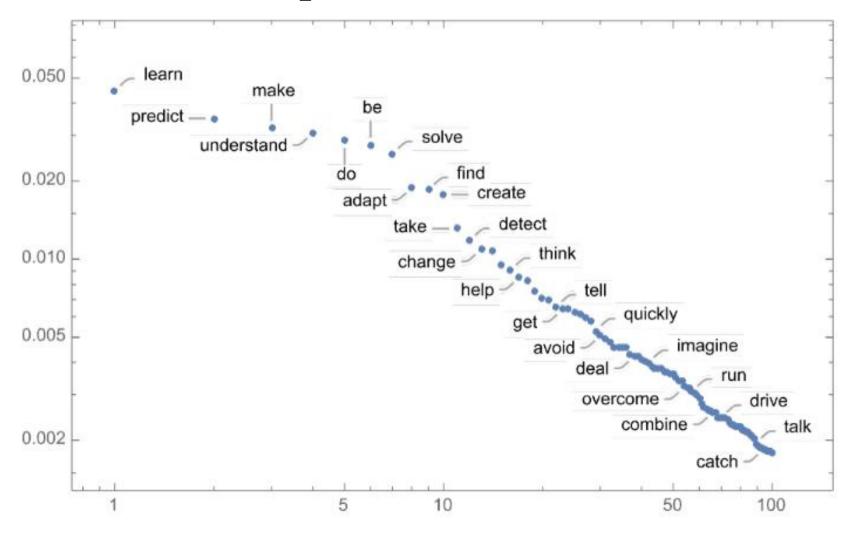


on inguman men ise forerenoft weat iofobato buc ous corew ousesetiv falle tinouco ryefo ra the ecederi pasuthrgr cuconom tra tesla wil tat pere thi

Built on Math



Power-law decay



Temperature

"The best thing about AI is its ability to learn from experience. It's not just a matter of learning from experience, its learning from the world around you. The AI is very good example of this. It's a very good example of how to use AI to improve your life. It's a very good example of how to use AI to improve your life. The AI is a very good example of how to use AI to improve your life. It's a very good example of how to use Al to..."

Lower the temperature...

The best thing about AI is its ability to learn. I've always liked the...

The best thing about AI is its ability to really come into your world and just...

The best thing about AI is its ability to examine human behavior and the way it...

The best thing about AI is its ability to do a great job of teaching us...

The best thing about AI is its ability to create real tasks, but you can...

Too low temperature?

"The best thing about AI is the ability to see through, and make sense of the world around us, rather than panicking and ignoring. This is known as AI "doing its job" or AI "runof-the-mill" Indeed taking an infinite number of steps, developing a machine that can be integrated with other systems, or controlling one system that's truly a machine, is one of the most fundamental processes of AI. Aside from the human-machine interaction, AI was also a big part of creativity..."

Prompts and Tokens

https://platform.openai.com/tokenizer

Vector Databases

RAG – Retrieval Augmented Pattern

Prompt Flow

GPTs (generative pre-trained transformer)

Provide text outputs in response to inputs

Code generation

Summarization

Conversation

Creative writing

Embeddings

A vector representation of a piece of data

Search

Clustering

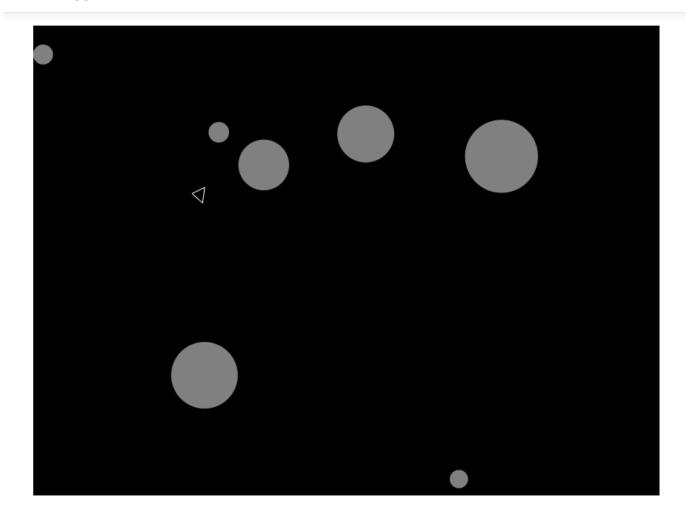
Recommendations

Anomaly detection

Classifications

Let's play a game

ChatApp Chat Privacy



Automation (verb)

Why spend 6 minutes doing something by hand when you can spend 6 hours failing to automate it?

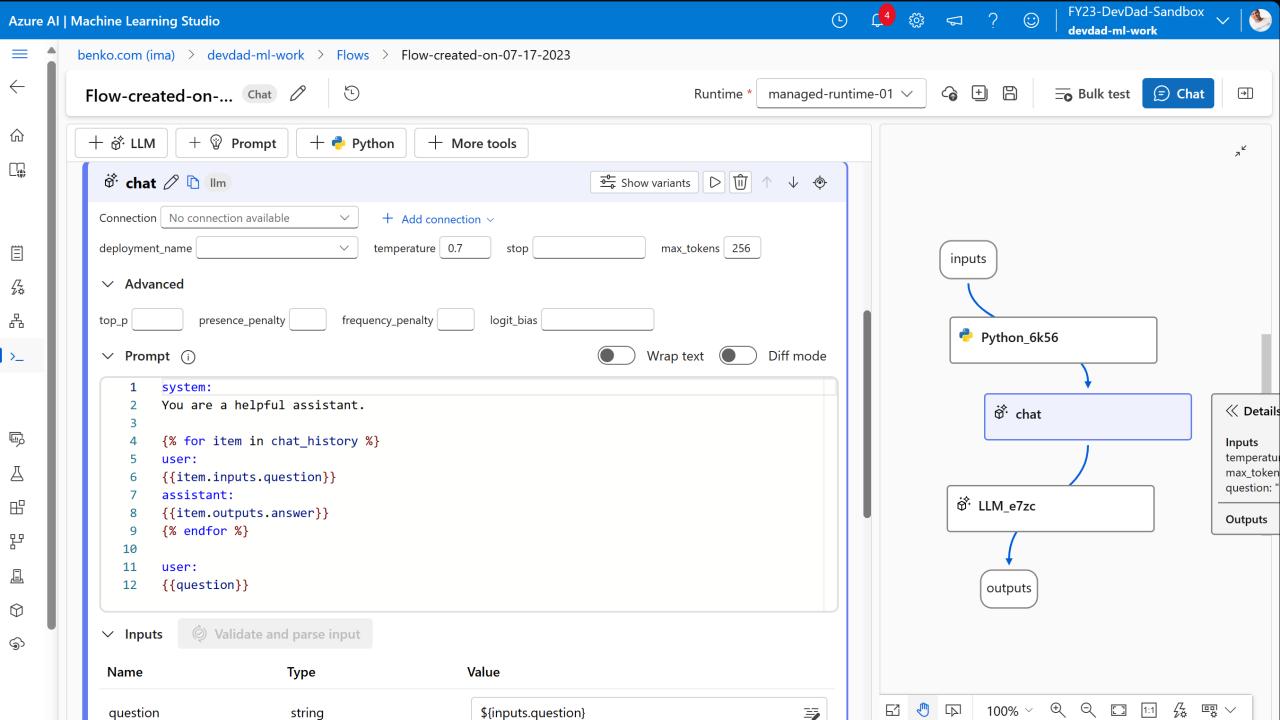
```
Timport { fetch } from "fetch-h2";
5 // Determine whether the sentiment of text is positive
                                                                                                                                             web service
                                                                                                                                                                        onse Gite to the promise selection of the consecutive (text: string). Promise selecti
                                                                                   vuy: 'text=${text}',
                                                                                                         "Content-Type": "application/x-www-form-urlencoded",
                                                                                  headers:
```



Now is not the time for fear

That comes later.





Lessons learned

Fear not...

Learn to ask better questions

Practice

Doing things right

is not the same as

Doing the right things

Just finished my first Arduino project: A blinking led.

Next Step: Update my LinkedIn profile.



Mechatronic Engineer

Conclusion

The journey to the cloud can be challenging

Take it a **step** at a time

Be aware of the **tools** that can ease the way

Call to Action – Where can I get more info?

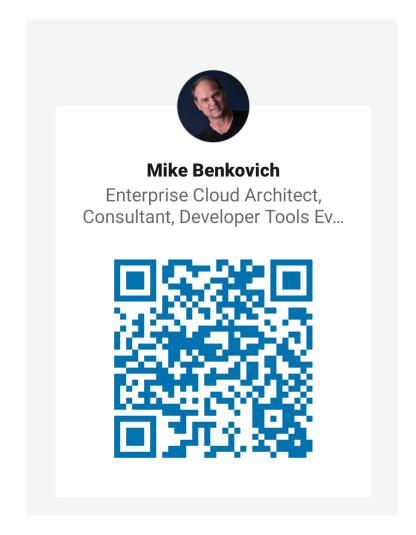
Visit my blog

www.benkotips.com

Schedule a **workshop** to make your IT workforce cloud aware

mike@benko.com

Try it out with low hanging fruit white chips



Life's a journey, enjoy the ride!

References

- What Is ChatGPT Doing ... and Why Does It Work?—Stephen Wolfram Writings
- <u>Seth Juarez Roshambo</u>

ChatGPT Mastery CheatSheet

Made by @hasantoxr

Key Use Cases

Summarizina long text, transcripts, articles, reports

Brainstorming ideas, outlines, new concepts Synthesizing insights and takeaways from text

Writing blog posts, articles, press releases, procedures, etc

scripts and small programs. Coding

Extracting data and patterns from messy text.

Reformatting text/data from messy text to tables/structure

Tones

"Tone: [x]"
"Writing using [x] tone"

CONVERSATIONAL LIGHTHEARTED PERSUASIVE SPARTAN FORMAL FIRM

Format

- "Be concise. Minimize excess prose.*
- "Use less corporate jargon."
 *Output as bullet points in short sentences."
- **Output as a table with columns: (x), (y), (z), [a] "Be extremely detailed."

Modes

- 1. Intern: "Come up with new fundraising ideas."
 2. Thought Partner: "What should we think about when generating new fundraising ideas?"
 3. Critic: "Here's a list of 10 fundraising ideas I created. Are there any I missed? Which ones seem particularly good or bad?"
 4. Teacher: "Teach me about [xl. Assume
- I know [x] and adjust your language.

Chained Prompting

- Write an article about ChatGPT
- First give me the outline, which consists of a headline, a teaser, and several subheadings.

[Output]

- Now write 5 different subheadings.
- [Output] Add 5 keywords for each subheading. LOutput]

Prompts for Marketers

- · Can you provide me with some ideas
- for blog posts about [topics.
- Write a product description for my product or service or company]
- Suggest inexpensive ways I can promote my [company] without using social media.
- How can I obtain high-quality backlinks to raise the SEO of [website name]

Prompts for Designers

- Generate examples of UI design requirements for a [mobile app]. How can I design a [law firm website]
- in a way that conveys [trust and authority].
- What are some micro-interactions to consider when designing fintech app.
- Create a text-based excel sheet to input your copy suggestions. Assume you have 3 members in your UX writing team

Prompts for Developers

- Develop an architecture and code for a (descriptions website with JavaScript.
- Help me find mistakes in the following code <paste code below».
- I want to implement a sticky header on my website. Can you provide an example using CSS and JavaScript?
- Please continue writing this code for JavaScript <post code below»