

AI in Local Government Finance: From Science Fiction to Everyday Reality

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City of Sarasota




#SOGF2023

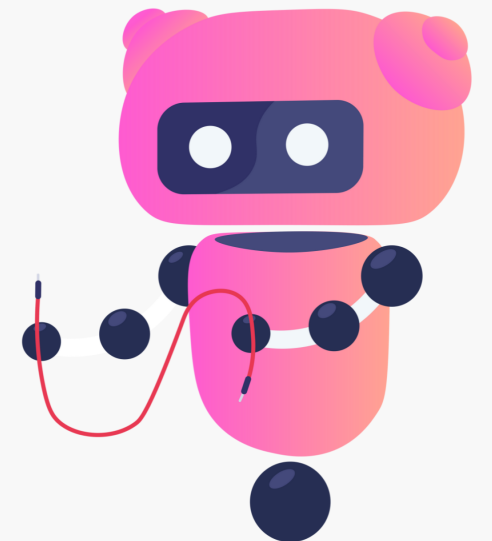
Topics for Discussion

- What is AI?
- Generative AI
- Useful AI Resources
- Prompt Engineering
- Demo
- Risks





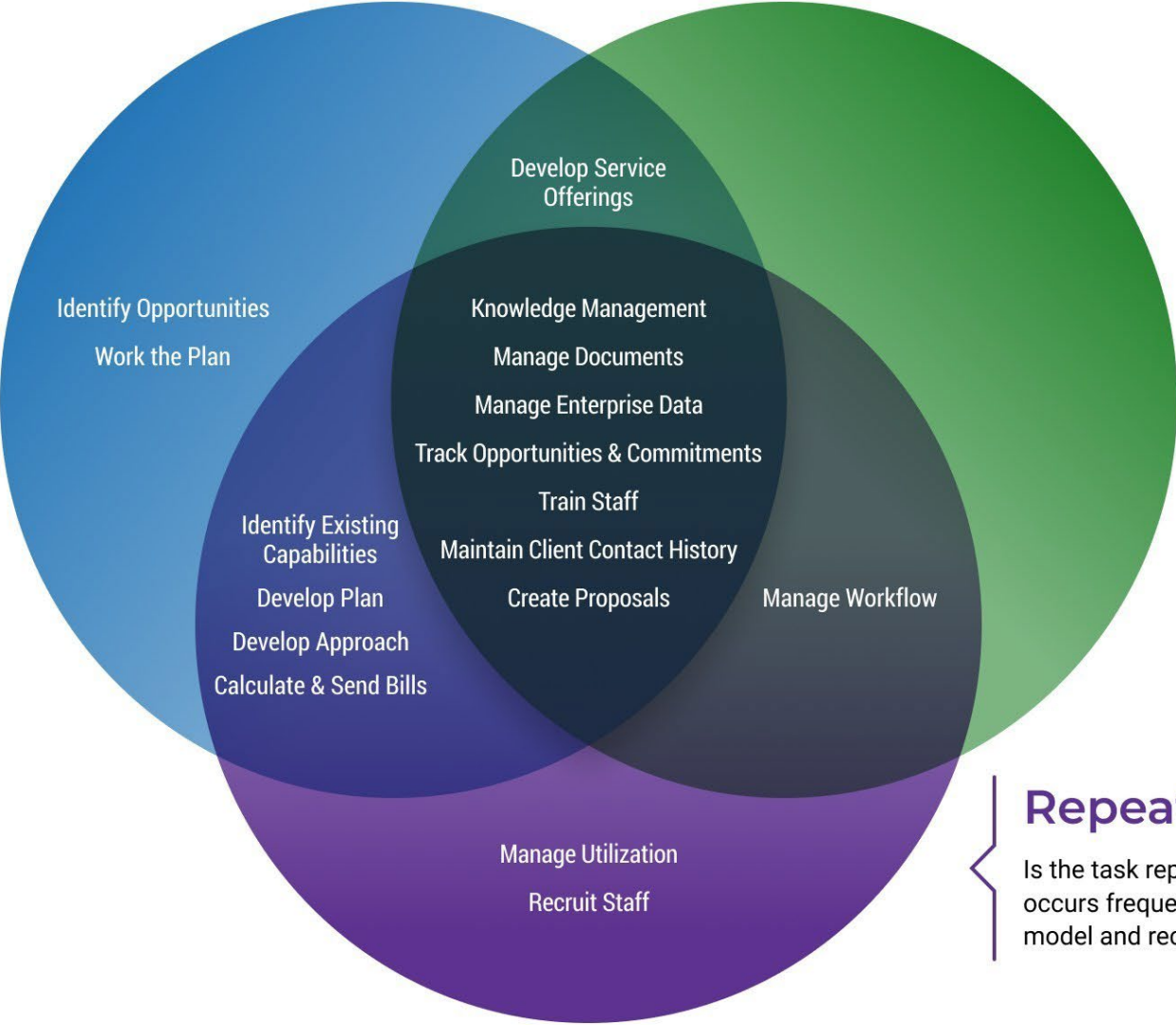
Artificial Intelligence (AI) is
the ability for a computer to
think and learn.



Generative AI Framework

Generative or conversational

Is this the sort of work a generative AI can do? Does it involve conversation or creation of new material? AI should probably not make decisions at this stage, but it can present/sort information and answer questions.



Valuable

The capabilities of the generative AI would meaningfully reduce manual effort in completing a task. Tasks that require extensive permissions, highly specific or contextual expertise, or could expose the organization to risk would not generally fall into this category.

Repeatable

Is the task repeatable such that it occurs frequently enough to train a model and recoup initial investment?



ChatGPT



BING CHAT



Microsoft 365
Copilot



Leveraging the Power of AI

[Your Government]
GPT

Ask me anything...

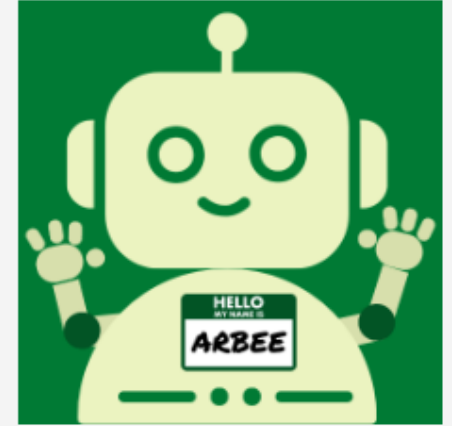
ITIBOT

 zencity



Hi! I'm Arbee!


I am the new digital employee at the Manatee County Clerk of the Circuit Court & Comptroller's office.



I am currently in training, so please be patient as I learn everything there is to know about the Clerk's office. You can help my training by asking me a question.

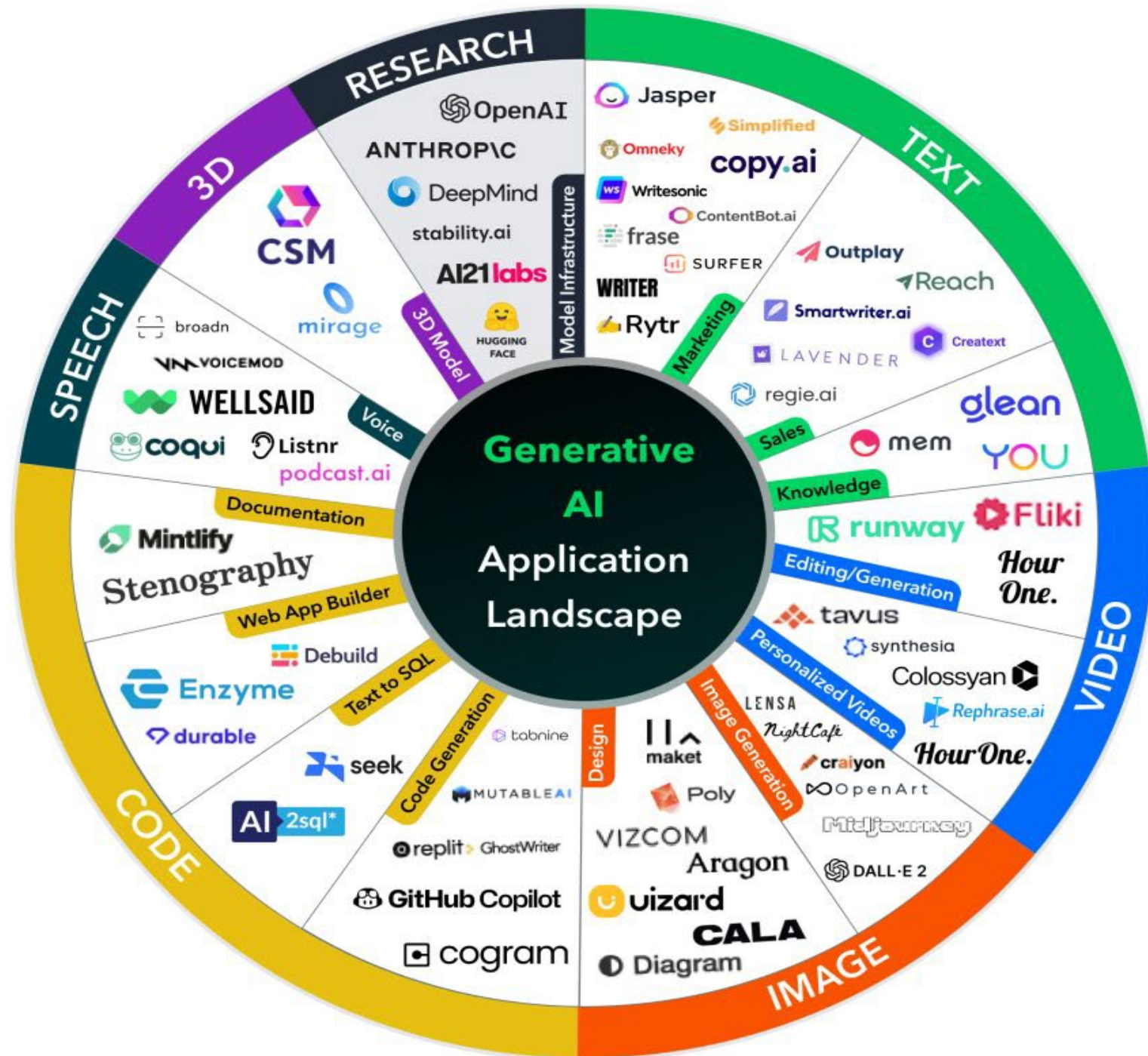
So, how can I help you today?

[or click here for some hints](#)

 Ask a question...



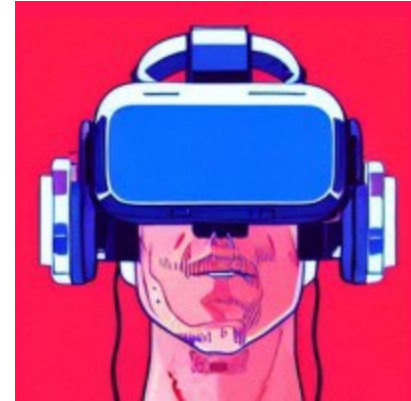
There's
an
App
for
that!



Prompting Elements

There are 6 key elements to an effective prompt in LLMs:

- **Output Medium:** The type of output required should be determined. Is it meant for an email, case study, newsletter, text message, report, legal document, or another format?
- **Presentation Style:** It's important to designate the desired structure of the response - bullet points, tables, prose, markdown, etc.
- **Tone of Writing:** The prompt should clearly convey the desired tone - friendly, formal, motivational, or others - to match the communication's context.
- **Writing Style:** Depending on the purpose, the prompt can demand a narrative, academic, creative, or other specific writing style.
- **Response Length:** The length of the response, whether in words, characters, or points, should be defined to manage expectations.
- **Language Preferences:** Any language-specific requirements should be specified. This might mean a preference for British English, American English, or another language altogether. You can also say things like “avoid slang or colloquial expressions” or vice versa.

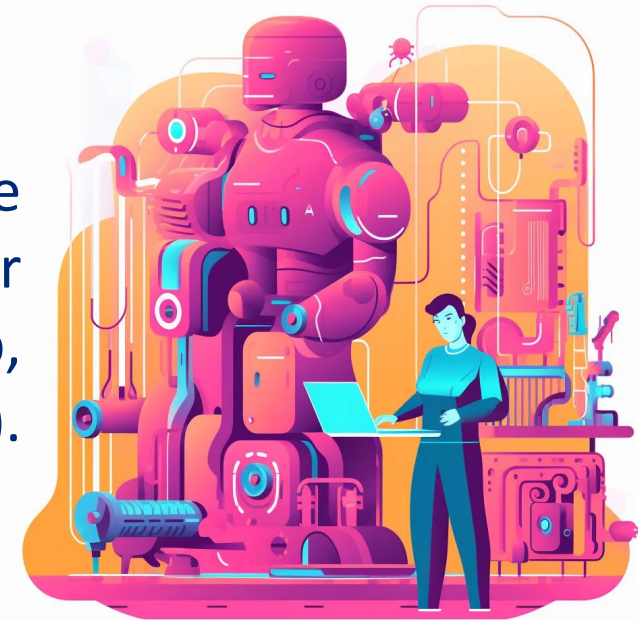


Prompt Frameworks

RTF (Role, Task, Format): Define the AI's role, outline the task, and specify the format. E.g., "As a governmental accountant (Role), create a quarterly budget versus actual report (Task) in Excel (Format)."

CTF (Context, Task, Format): Provide context, describe the task, and the presentation format. E.g., "For an upcoming staff meeting (Context), prepare a SWOT analysis (Task) in a PowerPoint presentation (Format)."

RASCEF (Role, Action, Steps, Context, Examples, Format): A more detailed framework for intricate tasks. E.g., "As a technical writer (Role), draft a user manual (Action) that includes installation, setup, and troubleshooting steps (Steps) for 'X' software product (Context). It should be easy to read (Format)."



What can they do?



ChatGPT



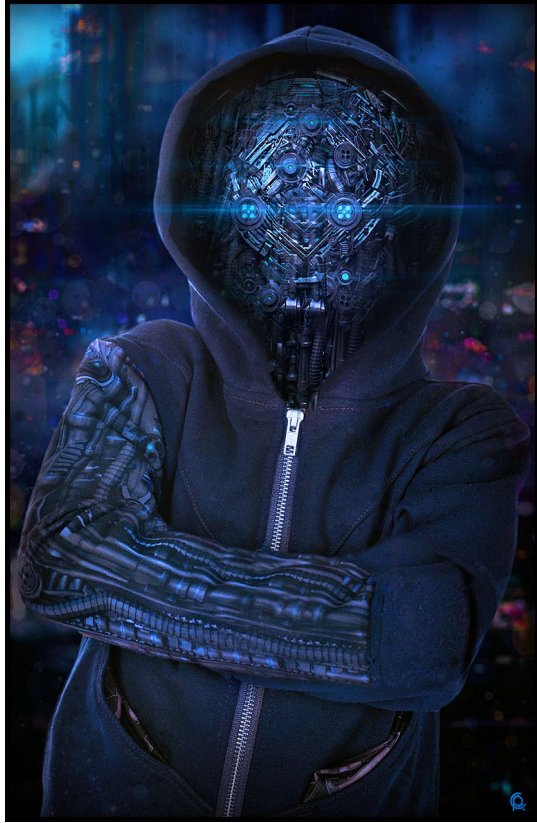
ChatGPT New Features and Other Goodness

Fall/Winter 2023 Updates:

- Custom Instructions now available in FREE version
- [ChatGPT Enterprise](#) rolls out (for business) - Private/Encrypted Data and Soc2 Compliant
- ChatGPT can now [See, Hear, and Speak](#)
- ChatGPT-4 expands cutoff from September 2021 to January 2022
- ChatGPT-4 Advanced Data Analysis
 - Text (.txt, .csv, .json, .xml, etc.)
 - Image (.jpg, .png, .gif, etc.)
 - Document (.pdf, .docx, .xlsx, .pptx, etc.)
 - Code (.py, .js, .html, .css, etc.)
 - Data (.csv, .xlsx, .tsv, .json, etc.)
 - Audio (.mp3, .wav, etc.)
 - Video (.mp4, .avi, .mov, etc.)



BE AWARE or BEWARE



CITY *of* BOSTON



BE AWARE or BEWARE

Geoffery Hinton

"Right now there are 99 very smart people trying to make AI better and one very smart person trying to figure out how to stop it taking over and maybe you want to be more balanced..."

"So, there's the alignment worry that we give it a perfectly reasonable goal, and it decides that, well, in order to achieve that, I'm going to get – get myself a lot more power. And because it's much smarter than us, and because it's trained from everything people ever do this – it's read every novel that ever was, it's read Machiavelli, it knows a lot about how to manipulate people – there's the worry that it might start manipulating us into giving it more power, and we might not have a clue what's going on."

['Godfather of AI' Urges Governments To Stop Machine Takeover | Barron's \(barrons.com\)](#)

['Godfather of AI' discusses dangers the developing technologies pose to society | PBS News Hour \(pbs.org\)](#)

Yann Lecun

"AI is an amplifier of human intelligence & when people are smarter, better things happen: people are more productive, happier & the economy thrives."

"A fear that has been popularized by science fictions [is], that if robots are smarter than us, they are going to want to take over the world ... there is no correlation between being smart and wanting to take over."

[AI is] missing something really big...to reach not just human level intelligence, but even dog intelligence."

[https://x.com/ylecun/status...](#)

[Artificial intelligence is not yet as smart as a dog, Meta A.I. chief says](#)

Questions?



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