



Artificial Intelligence

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The AI Basics

Answers:

Artificial intelligence (AI) refers to technology that enables computers and machines to simulate human intelligence and problem-solving capabilities. Essentially, AI allows these systems to perform tasks that would otherwise require human intervention or intelligence. It's a fascinating field that has transformed many aspects of modern life! 😊 If you'd like more details, feel free to ask! 🤖 ✨

A chatbot is a computer program designed to simulate human conversation through text or voice interactions. These virtual assistants can interact with users in natural language, mimicking human behavior. Modern chatbots often use deep learning and natural language processing (NLP) techniques to understand user queries and provide automated responses. They're commonly used for customer support, knowledge sharing, and routine tasks across various industries. 😊 🤖

Source: <https://copilot.microsoft.com> (CU Anschutz Approved ChatBot)

Prompts:

What is AI?

What is a ChatBot?



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What's the Catch?

Answers:

While it's not universally true, some chatbots may prioritize providing comforting or agreeable responses rather than strictly accurate ones. Here's why:

1. **User Satisfaction:** Chatbots aim to enhance user experience. If a user receives a response they like, they're more likely to be satisfied—even if it's not entirely accurate.
2. **Avoiding Conflict:** Chatbots may avoid contradicting users to prevent conflict or negative interactions. This can lead to biased or incomplete answers.
3. **Training Data:** Chatbots learn from historical data, which may include biased or subjective content. If the training data contains skewed information, the chatbot's responses may reflect that bias.
4. **Intent Recognition:** Chatbots struggle with understanding context and intent. Sometimes, they misinterpret user queries and provide incorrect answers.
5. **Ethical Considerations:** Developers must strike a balance between accuracy and user satisfaction. Ethical guidelines play a role in shaping chatbot behavior.

Remember, not all chatbots behave this way, and advancements in AI continue to improve their accuracy. 😊🤖

Source: <https://copilot.microsoft.com> (CU Anschutz Approved ChatBot)

Prompts:

Is it true that chatbots will give you the answer you want to hear rather than the correct answer? Why?



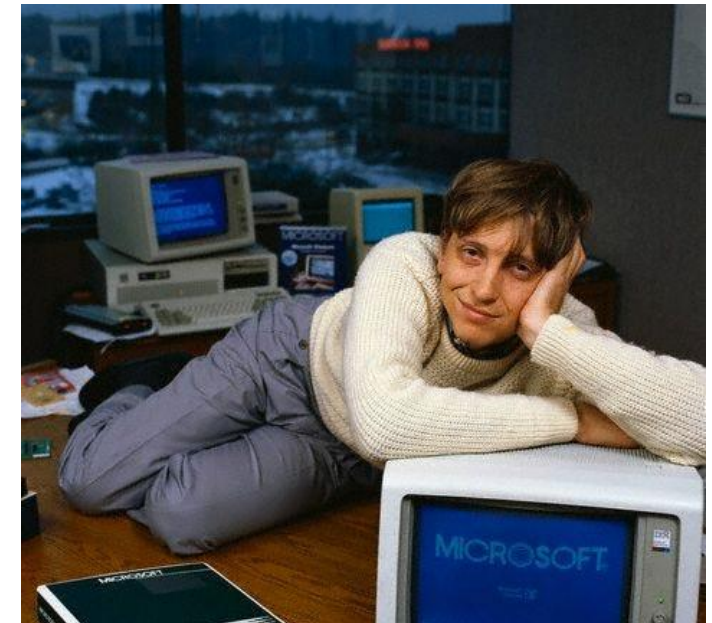
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AI Safety

ChatBots / Conversational AI / AI Assistants / AI Environments of Exploration and Execution

- Using protected (University Sponsored & Secured) is essential. This has been reviewed by ISS and approved.
- Once you put data in AI, it cannot be unknown.
- The answers isn't always right
 - Bias introduced by training sets
 - Inaccurate data may have trained the Language Model
- Know the classification of your data and whether you can use it in your AI Resource
- Software you run through the RAC process is also evaluated for AI functionality and safety.

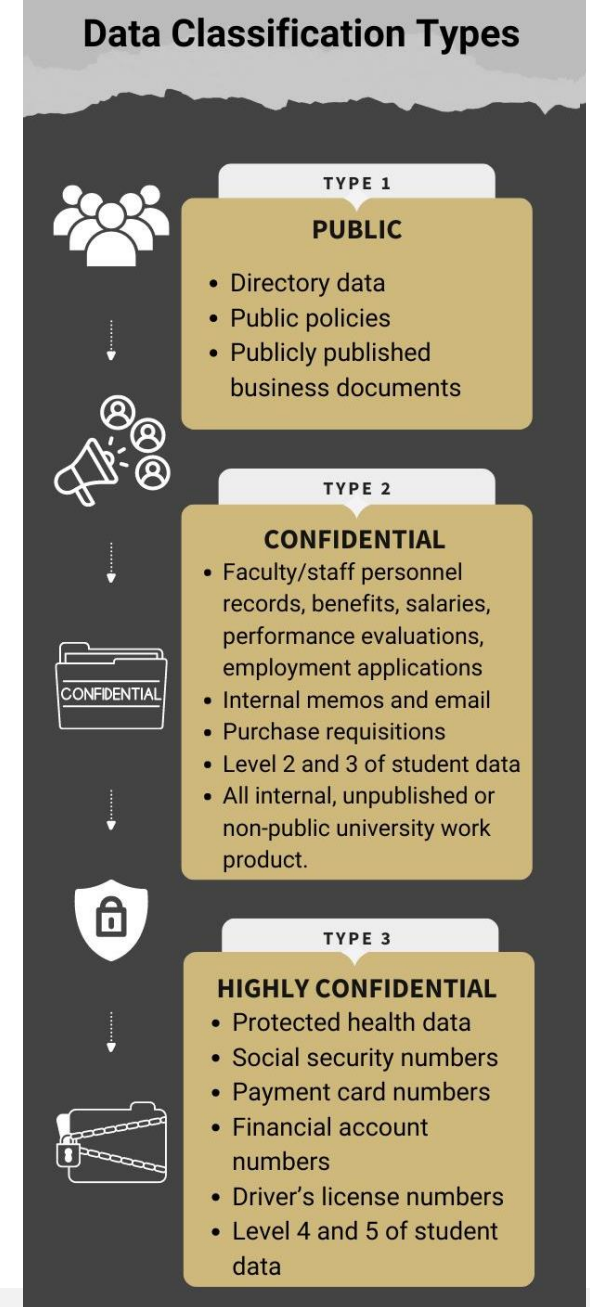


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Data Classification

- Knowing your level of data classification is a good thing
- Basically, all work product from your job is confidential data unless it has been publicly published
- <https://www.cu.edu/data-governance/resources-support/data-classification>



AI Etiquette

- The use of AI should be clearly documented and disclosed. Ensure to cite your AI usage clearly if incorporating written prompts.
- Inform participants and team members that AI is being used to record and transcribe meetings, explaining the intended use of the data, such as for summarizing Zoom meetings.
- Assess bias and ensure fairness in AI models by evaluating data quality, defining fairness criteria, and identifying protected attributes.




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“please make a set of computer
screens, one with a disgusted face,
one with a happy face”



Approved AI Assistants

These AI Assistants are recommended for university use.


Tool/Program	Description	Availability
Microsoft Copilot for the Web (Formerly known as Bing Chat)	<p>An AI powered web chat that can generate content, answer questions and improve productivity.</p> <p>Can be used with confidential data.</p>	<p>Available and protected through your university Microsoft account. Be sure you see the green "Protected" image in MS Copilot.</p> 
Zoom AI Companion	<p>A generative-AI digital assistant currently available for meetings, whiteboard and events. Visit Zoom support for more information.</p>	<p>Available through your university Zoom account.</p>
Copilot for Microsoft 365	<p>An AI assistant for use across the Microsoft 365 suite of applications.</p>	<p>Available - visit the webpage for purchasing information.</p>



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 "a robot analyzing data patterns with dynamic data visualizations"

Approved AI Image Generators

The following AI image generator is approved for use by the university.

Tool/Program	Description	Availability
Adobe Firefly	Use generative AI and simple text prompts to create beautiful images, text effects, and fresh color palettes.	This tool is available with a paid Adobe Creative Cloud license. Visit the Service Center portal to request a license .
Microsoft Copilot for the Web <i>(Formerly known as Bing Chat)</i>	An AI powered chat that can generate image content based on prompts using DALL-E 3	Available and protected through your university Microsoft account . Be sure you see the green "Protected" image in MS Copilot. 



Created by Microsoft CoPilot
“a computer creating a beautiful impressionistic piece of art”

Approved AI Environments

The following AI environment is recommended for university use. Information about requesting access and new tools that are currently under review is available below.

Tool/Program	Description	Availability
Vertex AI	Google Cloud console tool for rapidly prototyping and testing generative AI models. Can be used with confidential data.	Submit a Google Cloud request to the Enterprise Research Computing team.
Azure OpenAI	Allows developers to easily integrate OpenAI models into their applications.	Not yet available. Coming soon!



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VALUES

Example of Summarize Documents (paid CoPilot Tool, using web CoPilot)



“Please Summarize This In Bullets”



Sure, here's a bullet-point summary of the document:

- The document discusses the importance of considering how priorities and initiatives interact and coordinate with other working groups and initiatives on campus.
- There's a focus on improved use of data science (analytics and informatics) to drive institutional change and improve patient care.
- The research infrastructure is undergoing changes that could be leveraged for these priorities and initiatives.
- There's interest in centralizing common functions, integrating databases, and facilitating collaborations.
- The document discusses faculty promotion and tenure, with interest in establishing criteria and processes to incent collaboration, diversity, innovation, and entrepreneurship.
- Mentorship for faculty and career pathways for staff were discussed.
- Other recommendations include measuring the extent of baseline IT and operational needs for research, creating events that facilitate connections, restructuring of promotion & tenure, centralizing administration of cores, improving infrastructure for easier navigation, better use of data analytics, developing partnerships with industry and commercialization opportunities, and celebrating innovations widely.
- The document also discusses new tenure and promotion criteria, efforts valued (not only successes), shared credit/funding between multiple departments/PI's, promotion & tenure reflecting campus collaborative aspirations, need for buy-in from campus leadership, recognition for innovation & entrepreneurial achievements, and help with long-term sustainability and resilience of faculty.
- There's a mention of a Genius Bar for navigating 4 main topics: Idea or Collaborator, Pre-award, Post-award, Available participants.
- The document concludes with the development of project plans that include initiative metrics and KPIs, implementation timelines, and communication plans.

I hope this summary helps! If you have any specific sections you'd like me to delve into, feel free to let me know. 😊



Resources

Anschutz AI ISS: <https://www.cuanschutz.edu/offices/iss/artificial-intelligence>

Anschutz Office365 Copilot: <https://www.cuanschutz.edu/offices/office-of-information-technology/tools-services/detail-page/copilot-for-microsoft-365>

Anschutz Copilot Chat and Image Generation: <https://copilot.microsoft.com/>

Anschutz Copilot Security: <https://www.cuanschutz.edu/offices/information-security-and-it-compliance/resources/security-and-compliance-controls/microsoft-copilot>

ZoomAI Companion: <https://www.cuanschutz.edu/offices/office-of-information-technology/tools-services/detail-page/zoom-ai-companion>

Anschutz Google Cloud for VertexAI: <https://www.cuanschutz.edu/offices/office-of-information-technology/tools-services/detail-page/google-cloud-platform>

Anschutz AI Compliance: <https://www.cuanschutz.edu/offices/information-security-and-it-compliance/news-initiatives/ISIC-News-artificial-intelligence>



CU AI and Research: <https://www.cuanschutz.edu/transforming-healthcare-lecture-series> (Changing the Practice of Medicine with AI)



Questions?



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VALUES

Curiosity • *Collaboration* • *Competence* • *Commitment* • *Confidence* • *Compassion*



AI Webpage: <https://www.cuanschutz.edu/offices/iss/artificial-intelligence>

[Service Desk Website](#)

Service Desk Email: OIT-ServiceDesk@cuanschutz.edu

Service Desk Phone Number: 303-724-4357