

AI in Higher Education

Online Teaching Conference

July 23, 2023



California
Community
Colleges

California Virtual Campus
Online Network of Educators

Your Facilitators for Today's Discussion

Moderator:

- Bob Nash, Dean of Academic Affairs & Professional Development, CVC-OEI

Panelists:

- Cynthia J. Alby, Professor of Teacher Education and Faculty Director for High Impact Practices, Georgia College, Georgia's Public Liberal Arts University
- Katie Datko, Director, Office of Distance Learning and Instructional Technology, Mt. San Antonio College
- Irfan Khan, CEO, Supernova Academy Incorporated
- Juan Arzola, Professor, Political Science - President, Academic Senate, College of the Sequoias



We Invite Your Questions



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ChatGPT Demo

And other generative AI Tools
In Action



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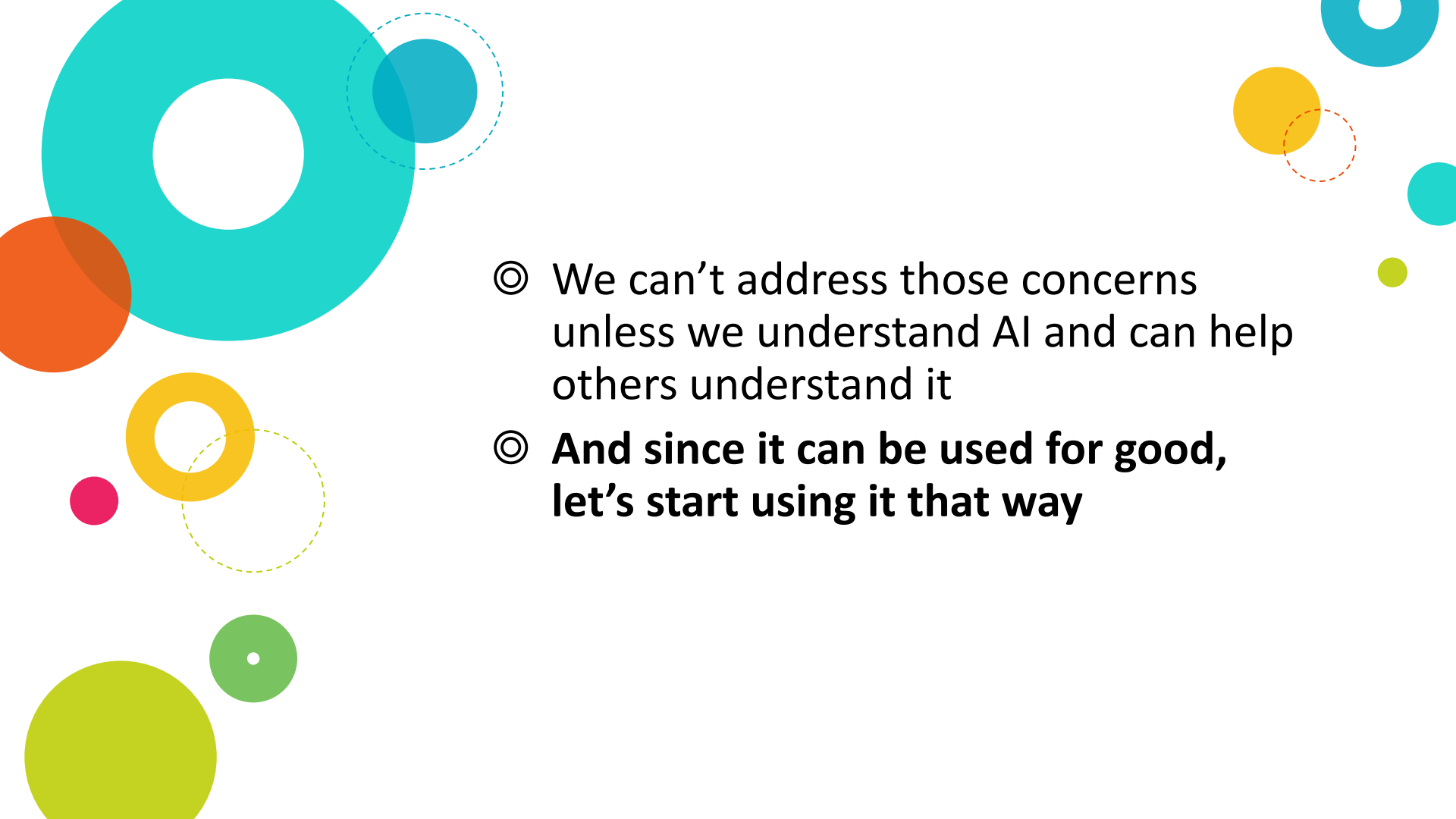
[ChatGPT Unleashed](#)

A video demonstration from the
Center for Digital Education
A division of e.Republic

Don't get me wrong

- © I am not particularly “techy”
- © AI is going to usher in a whole new era of criminality and disinformation
- © AI apps are still biased and make up info that looks real
- © It will cause both positive and negative, large-scale disruptions for most white-collar work

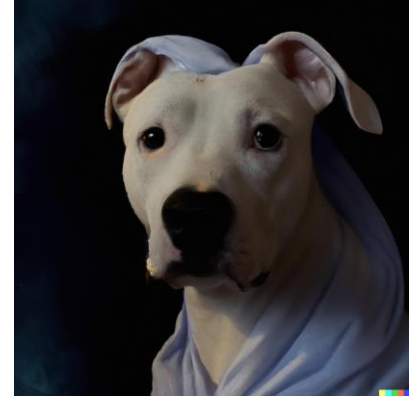


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- A decorative graphic featuring various colored circles and rings. In the top left, there is a large cyan ring and a smaller blue circle with a dashed outline. Below them is an orange circle and a yellow ring. In the bottom left, there is a large lime green circle and a small green circle with a white dot. On the right side, there is a yellow circle with a dashed outline, a small cyan circle, and a small lime green circle. The background is white.
- © We can't address those concerns unless we understand AI and can help others understand it
 - © **And since it can be used for good, let's start using it that way**

What is Artificial Intelligence Now?

Using language prompts to create

- © **Images:** Dall-E, Midjourney, Playground
- © **Music:** Amper, Aiva
- © **Audio** (speaking): ElevenLabs
- © **Code:** HTML, Python, etc.
- © **Translations:** in specific dialects
- © **Complete videos:** A GPT (writes text) + ElevenLabs (generates voice) + D-iD (generates video of person speaking the text)



And of course, it can write

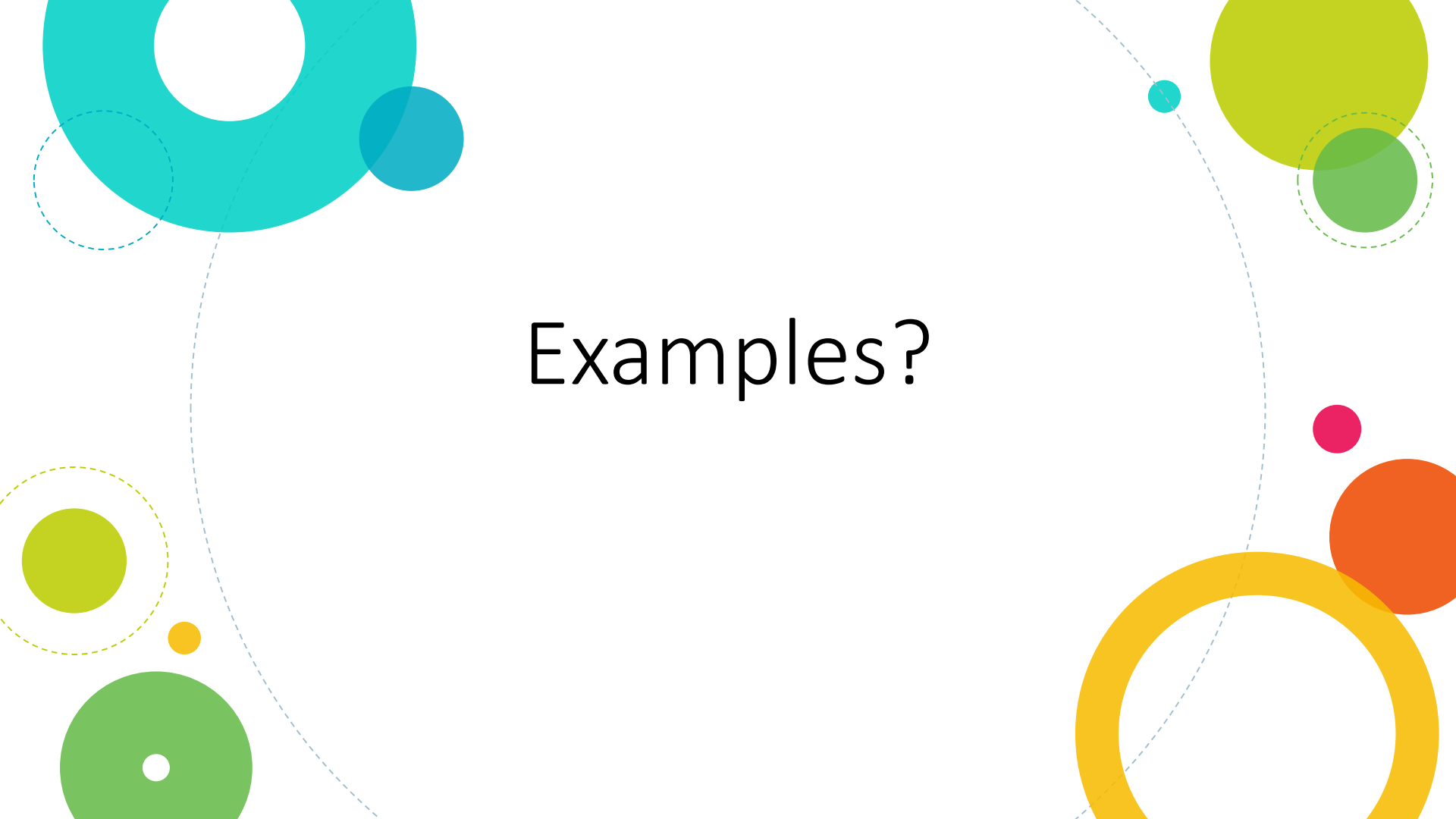
A subset of AI: Large Language Models (LLMs)

Many common writing tasks can be generated by AI

- © quickly,
- © quite well (doctoral comps)
- © at little or no cost
- © with some style and flair
- © and “originally”

**It is ubiquitous
and will remain undetectable**



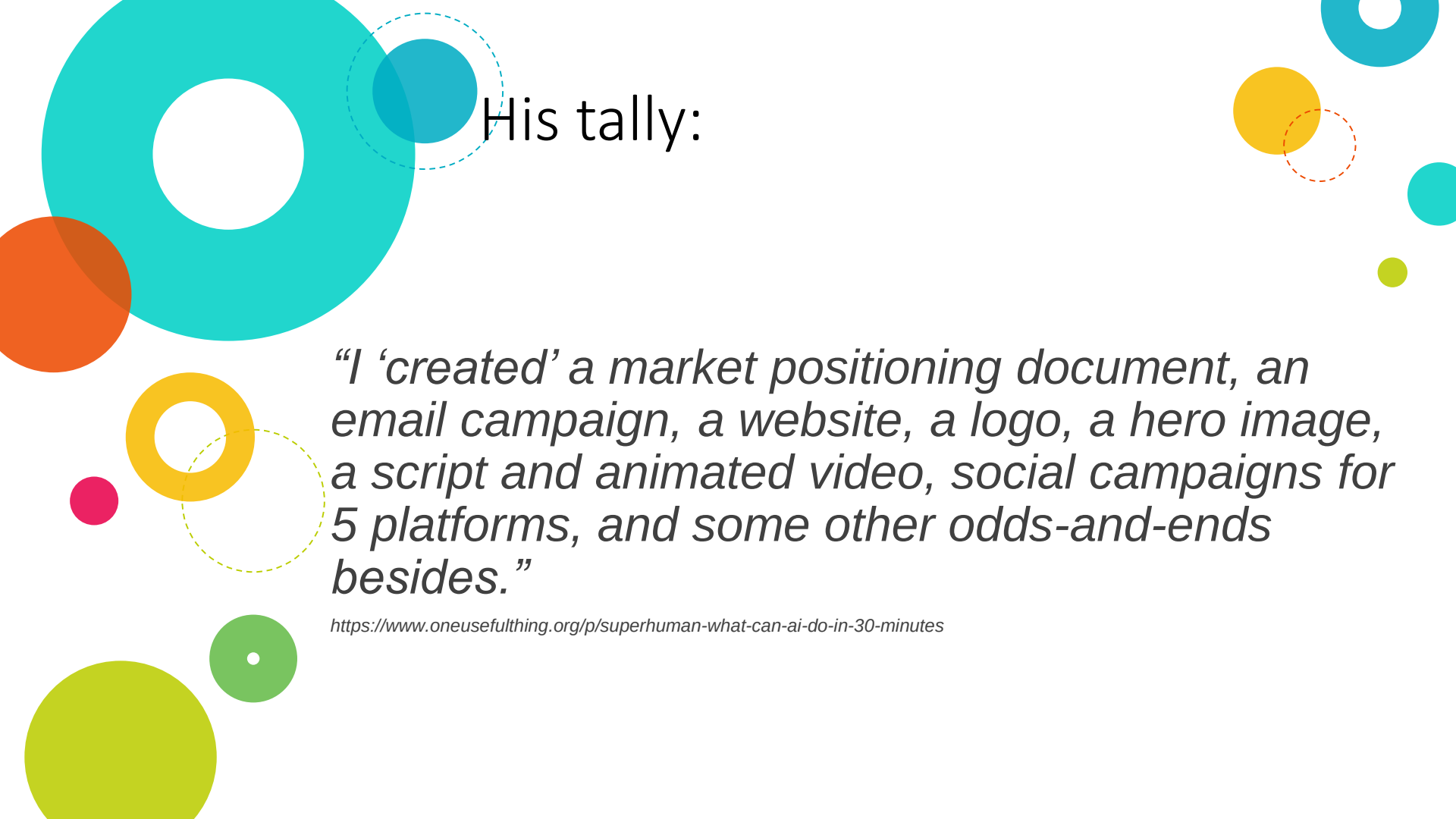
The background features a collection of colorful geometric shapes: a large cyan ring in the top-left, a smaller cyan circle next to it, a lime green circle in the top-right, a green circle with a dashed outline next to it, a pink circle in the middle-right, an orange circle in the bottom-right, a yellow ring in the bottom-right, a green circle with a white center in the bottom-left, a lime green circle with a dashed outline in the middle-left, and a small orange circle in the bottom-left. A thin, light blue dashed line curves across the page, passing through several of these shapes.

Examples?



What if AI helped?

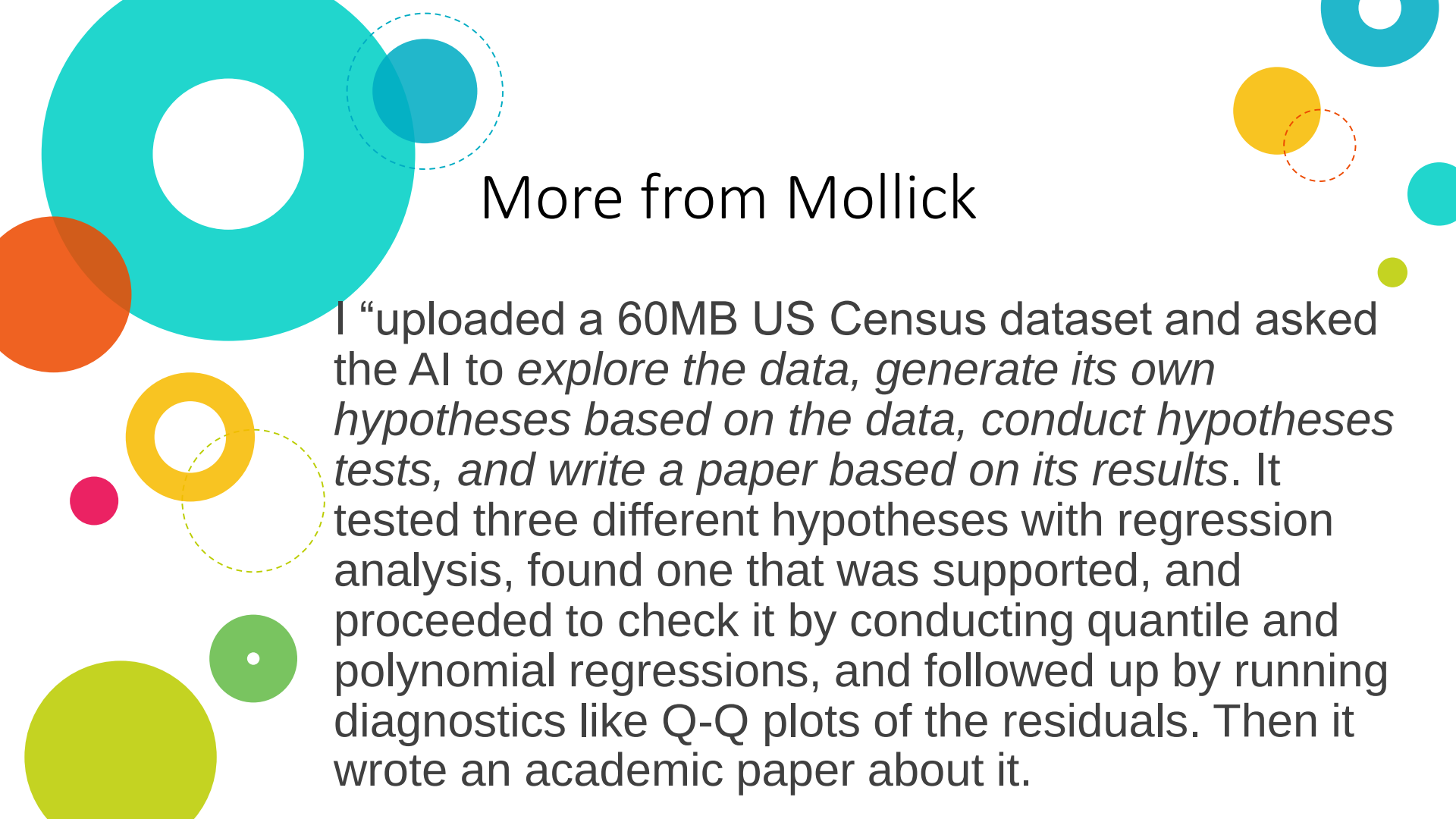
- © Ethan Mollick created a cool educational game for business students – needed to market
- © Gave himself 30 minutes to see how far he could get on creating all of that using AI
- © He'd put in prompts and AI would do all the work.



His tally:

“I ‘created’ a market positioning document, an email campaign, a website, a logo, a hero image, a script and animated video, social campaigns for 5 platforms, and some other odds-and-ends besides.”

<https://www.oneusefulthing.org/p/superhuman-what-can-ai-do-in-30-minutes>

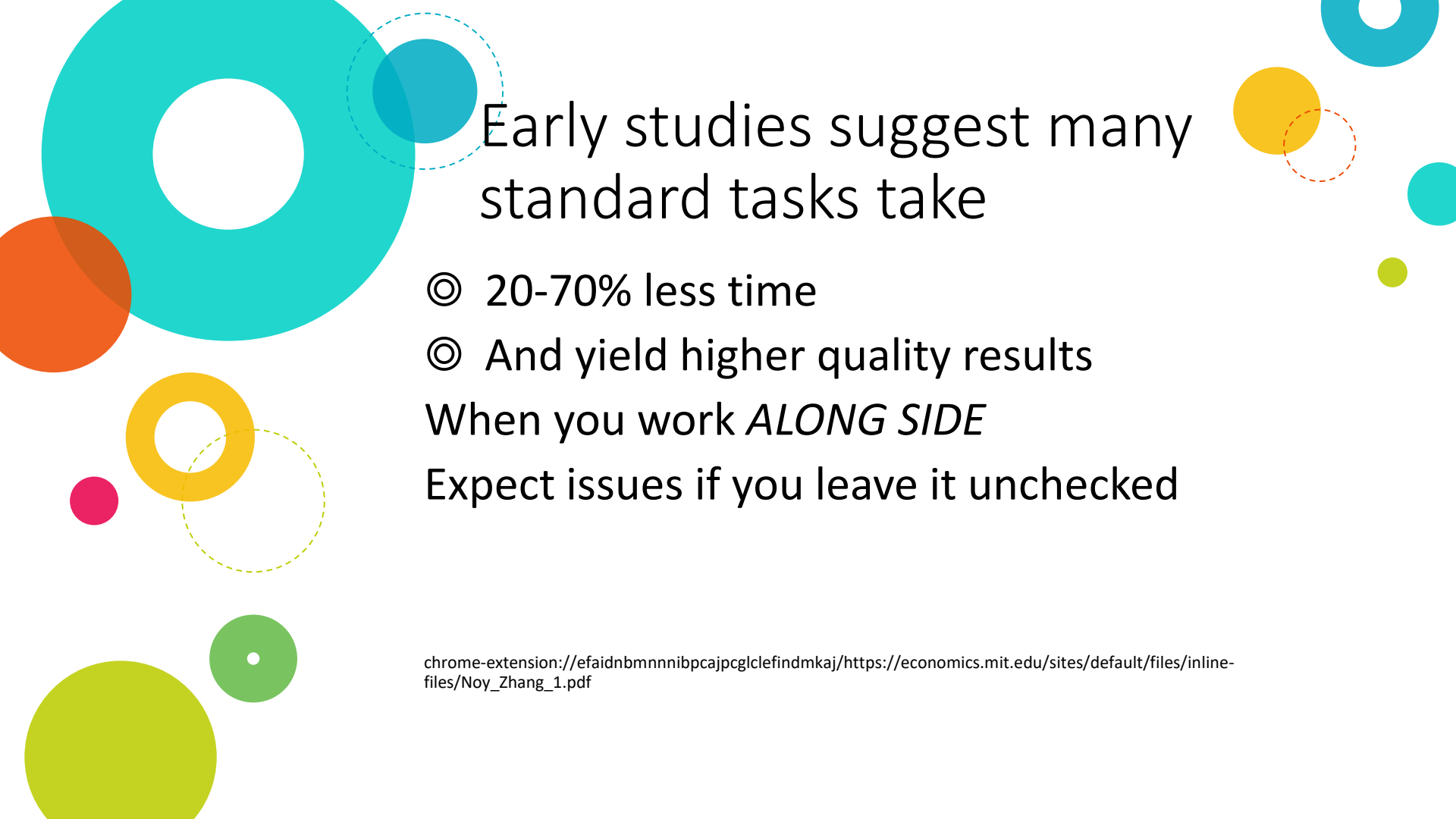


More from Mollick

I “uploaded a 60MB US Census dataset and asked the AI to *explore the data, generate its own hypotheses based on the data, conduct hypotheses tests, and write a paper based on its results*. It tested three different hypotheses with regression analysis, found one that was supported, and proceeded to check it by conducting quantile and polynomial regressions, and followed up by running diagnostics like Q-Q plots of the residuals. Then it wrote an academic paper about it.

The background features a light blue dashed line that curves from the top left, around the central text, and towards the bottom right. Various colorful circles are scattered around the text: a large teal circle with a white center in the top left; a smaller teal circle below it; a lime green circle in the top right; a green circle with a dashed outline below it; a pink circle in the middle right; an orange circle in the bottom right; a yellow circle with a thick outline in the bottom right; a green circle with a white center in the bottom left; a lime green circle with a dashed outline in the middle left; and a small orange circle below that.

What can
YOU do with it?



Early studies suggest many standard tasks take

- © 20-70% less time

- © And yield higher quality results

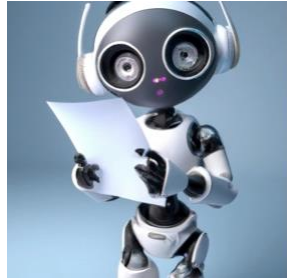
When you work *ALONG SIDE*

Expect issues if you leave it unchecked

chrome-extension://efaidnbmnnnibpcajpglcfindmkaj/https://economics.mit.edu/sites/default/files/inline-files/Noy_Zhang_1.pdf

What if you had an assistant to *help* with SERVICE?

- Accreditation reports
- SWOT analysis
- Mission statements
- Form letters
- Translations
- Marketing
- Gathering needed information
- Event planning
- Travel planning/booking
- Emails



What if you had an assistant to *help* with TEACHING?

- Lesson plans
- Rubrics
- Feedback
- Assignment directions
- Simulations
- Role-plays



- More clear explanations
- Models
- Analogies
- Accurate translations of materials
- Making lessons/materials more equitable & inclusive

What if you had an assistant to help with RESEARCH and PRESENTATIONS?

- Data analysis
- Coding
- Finding “good fit” outlets for your work
- Image creation



Writing Support

- Give me 5 possible thesis statements/titles
- What counter arguments might there be?
- What key ideas have I missed?
- Critique for... Give feedback on...
- Make this more: scholarly, humorous, succinct, clear, expert
- Polish the grammar and punctuation
- Create an abstract

Additional Resources

[Learning That Matters](#)

Ethan Mollick's exceptional blog: [One Useful Thing](#)

[TheAICampus](#): A resource developed by Santiago Canyon College

[Artificial Intelligence and Augmented Reality](#)

Feel free to contact us

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