

The Institute for Computation & Data-Enabled Insight AZ Broadband Task Force

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September 28th, 2023



Today

- About the Institute for Computation & Data-Enabled Insight (ICDI)
- The AI at Arizona Task Force
- The AI Phenomenon – Shared Insights
- Strategy 2023-24
- Q & A

ABOUT



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ICDI

- Newly formed (less than 2 years old)
- Non-Academic Institute within Research Office
- Closely aligned with Data Science Institute
- Catalyze UArizona resources in data science, computing, computer science, information systems
- Responsible for Outreach

UArizona AI TASK FORCE

AI^2 TASK FORCE

Highlights

- 70+ Faculty, Students and Staff June - August
- ~400 Individuals for 2024 Academic Year
- Syllabus Guidance
- Fall Events
- Industry Outreach and Communal Dialog

AI^2 TASK FORCE

Working Groups

- Access & Equity
- Communications
- AI and Data Acumen
- Events
- Industry
- Integrity in Education
- Syllabus Guidance
- Training

AI^2 TASK FORCE

Key Findings

- Resistance to Generative AI is somewhat higher than enthusiasm
- Students more likely to use Generative AI than Faculty
- Attitudes are shifting towards enthusiasm/curiosity
- Great appetite for dialog about impact of AI
- Social disruption and job replacement among top concerns
- ETHICS & REGULATION are TOP OF MIND
- <https://www.caidp.org/>

AI^2 TASK FORCE

Resources

- <https://artificialintelligence.arizona.edu>
- <https://www.caidp.org/>

SHARED INSIGHTS

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December 2022 – August 2023

- Enormous Investment, Hype and Growing Concern
- 10X Increase in compute each year since 2010, expected to continue another 3-5 years (Mustafa Suleyman, Founder Google Deep Mind)
- Text-to-Text and Text-to-Image completely solved, Text-to-Video is almost solved
- Establishment of Open Source alternatives



BATTLE GUNPOWDER ERA

SHARED INSIGHTS

September 2023

- Amazon is in the game (\$4 Billion into Anthropic)
- Microsoft released AutoGen AI Agent platform (open source)
- Google released size data on Gemini (comparison)
- OpenAI, Zoom lawsuits
- Amazon anti-trust lawsuit
- US Congress / Tech Leader Regulatory Summit

SHARED INSIGHTS

Resources

- [https://huggingface.co/spaces/HuggingFaceH4/open llm leaderboard](https://huggingface.co/spaces/HuggingFaceH4/open_llm_leaderboard)
- <https://www.mckinsey.com/capabilities/quantumblack/our-insights/the-state-of-ai-in-2023-generative-AIs-breakout-year>

STRATEGY 2023-24

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Outreach

- Town Halls
- Industry Outreach and Engagement
- Public Workshops

STRATEGY 2023-24

LLMs

- UArizona Local Language Models
- AI Student Internships and the “LLM Workforce”
- Metaverse discussions

Q & A
