



Pgh-cio.com

Greater Pittsburgh CIO/CISO Group

Group Meeting

May 21, 2024

Agenda

Welcome

Group Business- 2024 Highlights

AI Adoption Survey Results – Matt Siconolfi

AI Special Topic Discussion- Chris Stephens

- Hype vs. Impact: The AI Evolution
- CMU: Resource Talent needs to Operationalize AI

2024 Event Calendar

Closing Remarks

2024 Highlights

Leadership Development Program Cohort 6 Graduation

- Congratulations to the 25 members of Cohort 6
- Thank you for the 20+ mentors that donated their time for team and one-on-one mentoring
- Special thank you to: Bill Fortwangler for teaching the Business Acumen session, Eng Tan/Katherine Karolick/Jack Smith for participating in the graduation panel
- We expect Cohort 7 to kick off this fall – keep an eye out for the registration communications



2024 Highlights cont.

2024 CIO of the Year Awards

• **CIO Choice Award** – (winner) Chuck Bartel, Duquesne University

• **Rising Stars** – (winners) Chris Belasco, City of Pittsburgh / Madison Oliver, GitHub | (finalists) Daniel Elliot, The Wilson Group / Chris Kosek, K&L Gates / Clayton Mathis, Seegrid / Jon Oeler, Reed Smith / Brian Stein, Koppers

• **Tech Trail Blazers** – (winners) Janeen Peretin Baldwin-Whitehall School District / Julie Prough, UPMC | (finalists) Rachael Afolabi, Google Fiber / Ebony Dendy, Univ of Pgh / Jorge Guajardo Merchan, Bosch Research / Sondra Hunter, Tech Savvy / Crystal Morgan, UPMC / Frank Pascoe, Koppers

• **CIO Megabyte** – (winner) Scott Angelo, Ingersoll & Rooney | (finalists) Paul Allison, PennWest Univ / Jim Dye, Cochran / Adam Gunnett, Busy Beaver / Larry Trenga, Wesley Family Svcs

• **CIO Gigabyte** – (winners) Jack Smith, Federated Hermes / Tushar Lovalekar, Koppers | (finalists) Lisa Biondi, System One / David Reed, Maxim Crane / Eng Tan, Automated Health

• **CIO Terabyte** – (winner) Bhaskar Ramachandran, PPG | (finalists) Chris Carmody, UPMC / Christine Johns, PNC / Kathleen Lovett, VSP Vision

• **CISO Gigabyte** – (winner) Dennis Carson, PennWest Univ | (finalists) Brian Abercrombie, Teletracking / Tony Krance, Seton Hill Univ

• **CISO Terabyte** – (winner) John O'Rourke, PPG | (finalists) Derek Brown, EQT / Sam Merrell, Kennametal / Pete Zwierzynski, Koppers

Membership Update

- Re-launched the networking groups Q1 2024
 - 53 Active CIO Group Members
 - 32 Active CISO Group Members
- Updated Group Missions / Charters
- Candidates must represent an entity in the surrounding Pittsburgh Region (Central Ohio, West Virginia, Central PA)
- Representatives from divisions of national or international companies with a significant local presence are also eligible for membership.
- Vendor membership will be limited to internal positions that support the company
- Membership is limited to the most senior individual in charge of technology for the organization, or autonomous division, regardless of actual title (e.g., CIO, CISO, CTO, Director of Information Systems, Director Cybersecurity etc.)
- Members must attend 50% of the scheduled meetings/events to stay active
- Website: <https://pgh-cio.com/>

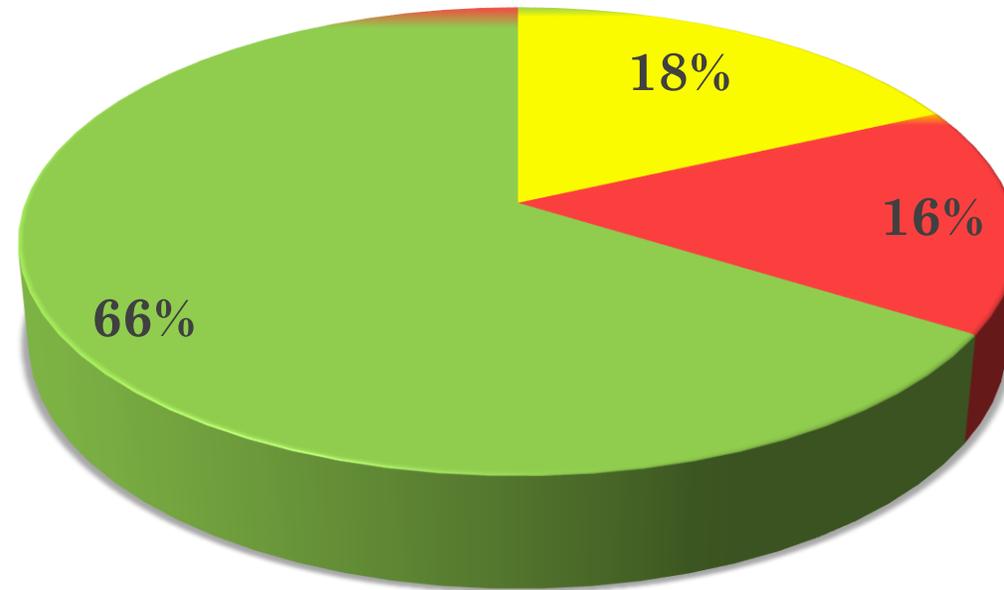


AI Adoption Survey Results

AI Adoption Survey Results

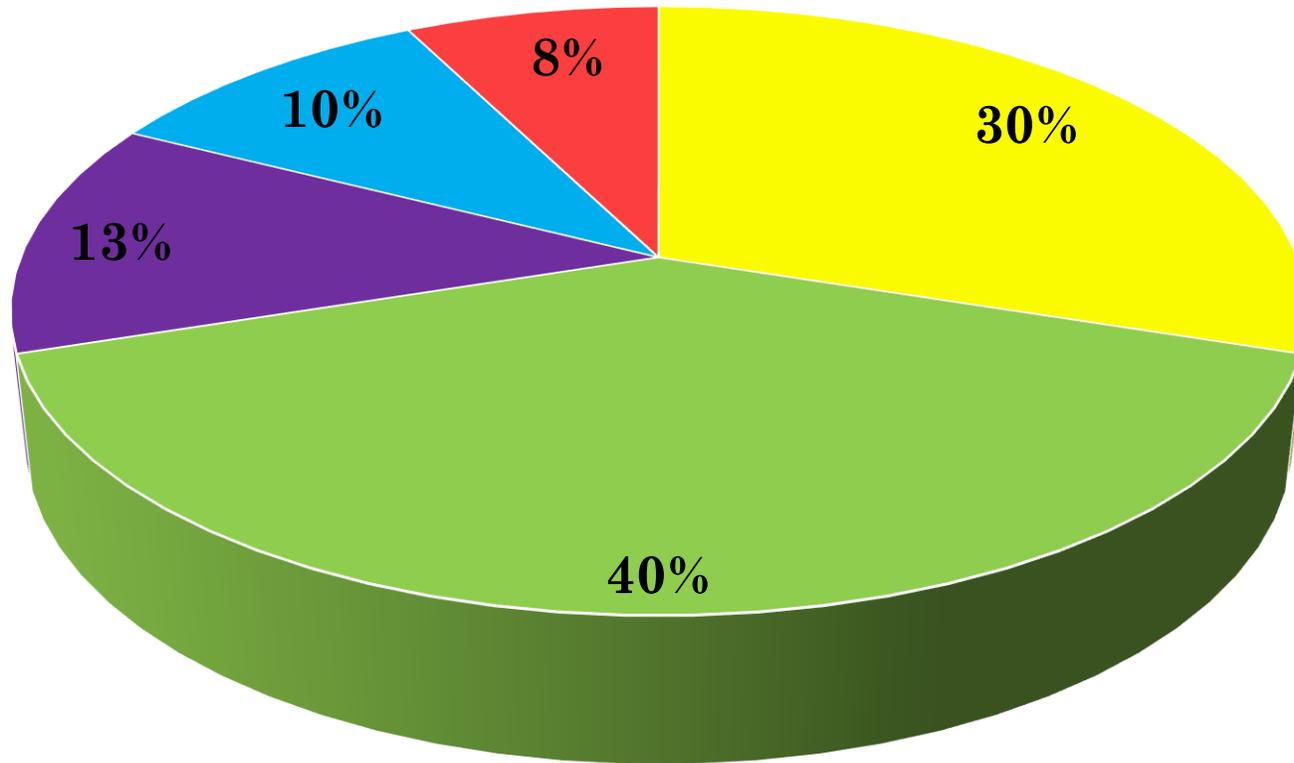
Financial

- How do you measure the return on investment (ROI) for AI projects? What metrics are most relevant?



- ROI is measured based on cost savings.
- We haven't formalized ROI metrics for AI yet.
- ROI is tied to revenue growth and improved customer experience.

AI Adoption Survey Results Financial



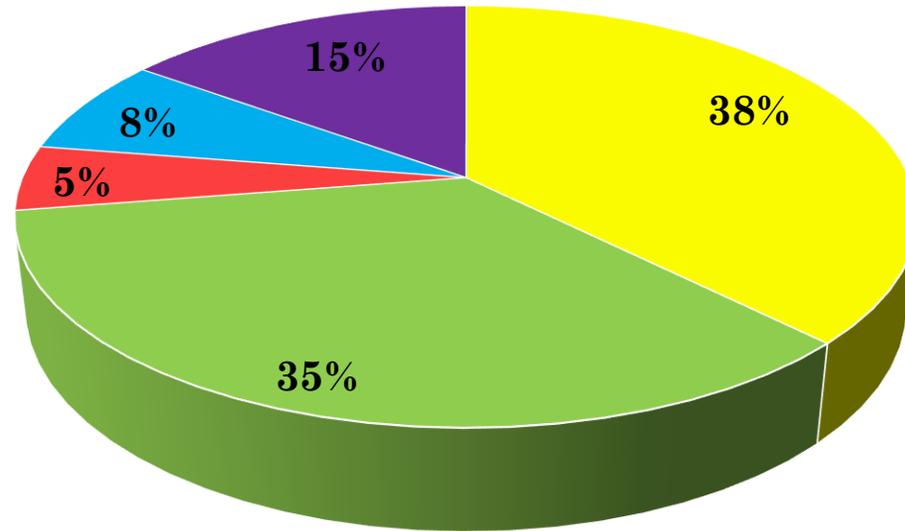
- No budget (\$0)
- < \$250k
- \$250k to \$750k
- \$750k to \$2m
- > \$2m

- What is your budget allocation for AI pilot or project work in 2024?

AI Adoption Survey Results

Technical

- What matters the most when selecting an AI backend?

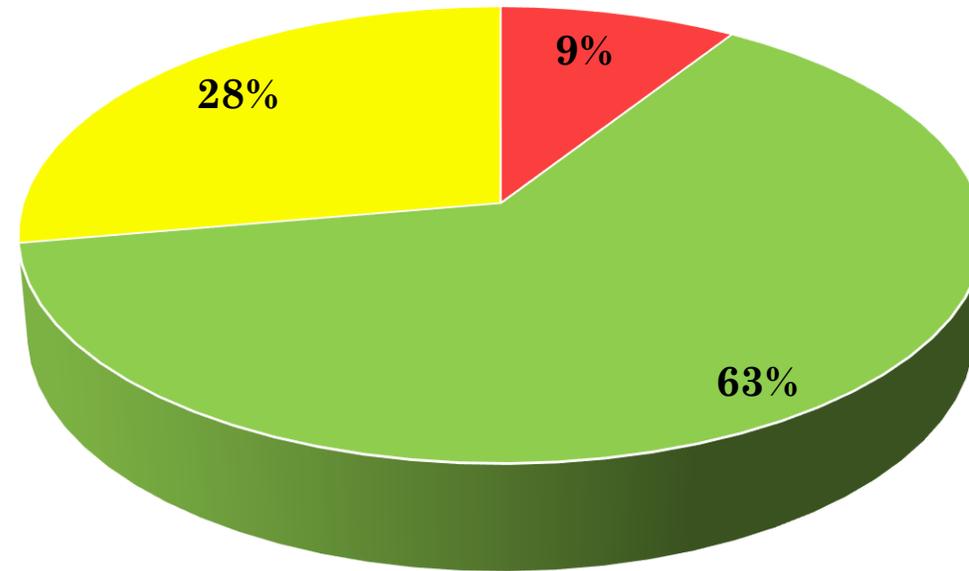


- Privacy
- Run by a trusted partner
- Most advanced models
- Legal indemnification on generated output
- Cost

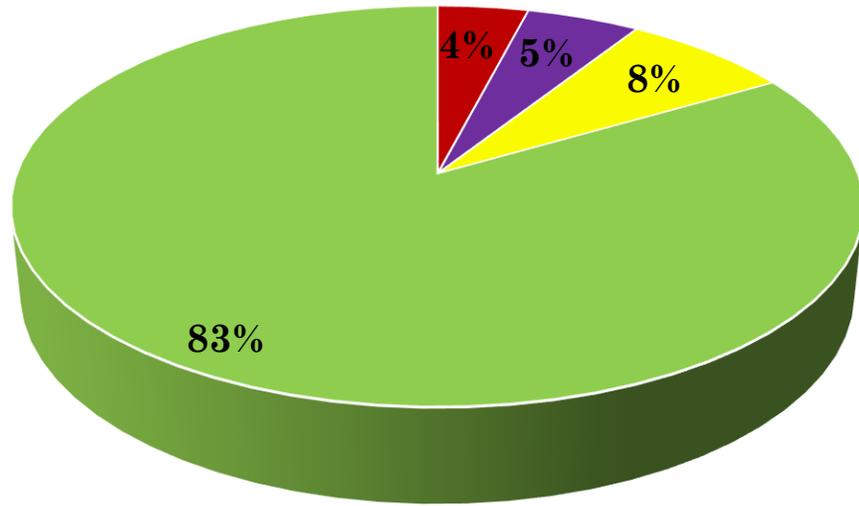
AI Adoption Survey Results

Technical

- How mature is your organization's data infrastructure for AI? Are you collecting and storing relevant data effectively?



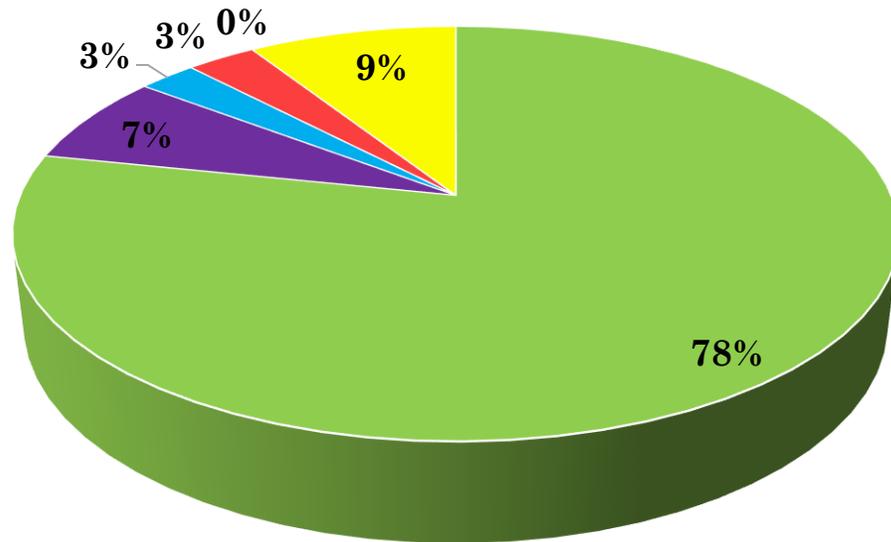
- Our data infrastructure is well-prepared for AI, and we have robust data pipelines.
- We are working on improving our data infrastructure to support AI initiatives.
- Data readiness is a challenge for us.



- Data science and machine learning expertise
- Domain knowledge in our industry
- Change management and communication skills
- All of the above

AI Adoption Survey Results Technical

- What skills and expertise do you believe are essential for successful AI implementation?



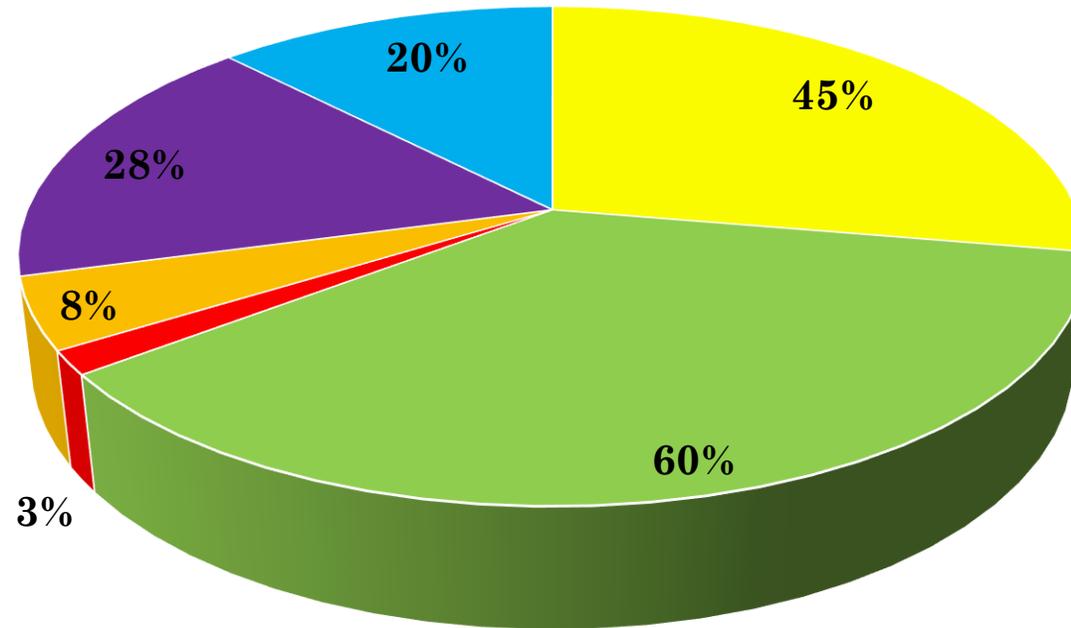
AI Adoption Survey Results Implement

- Machine Learning within the use of Large Language Models: (such as Microsoft Copilot, OpenAi ChatGPT, Anthropic Claude, Google Gemini, etc.)
- Natural Language Processing: (includes techniques that enable computers to understand, interpret, and generate human language)
- Computer Vision: (includes techniques that interpret and understand visual information such as images and videos)
- Robotics: (includes development of intelligent machines that can perform tasks autonomously)
- Speech Recognition: (includes techniques that enable the ability systems to recognize and understand spoken language).
- Other

- What category of Ai technology is of the highest priority to which you have you started to implement, implemented, or considering implementation of within your organization?

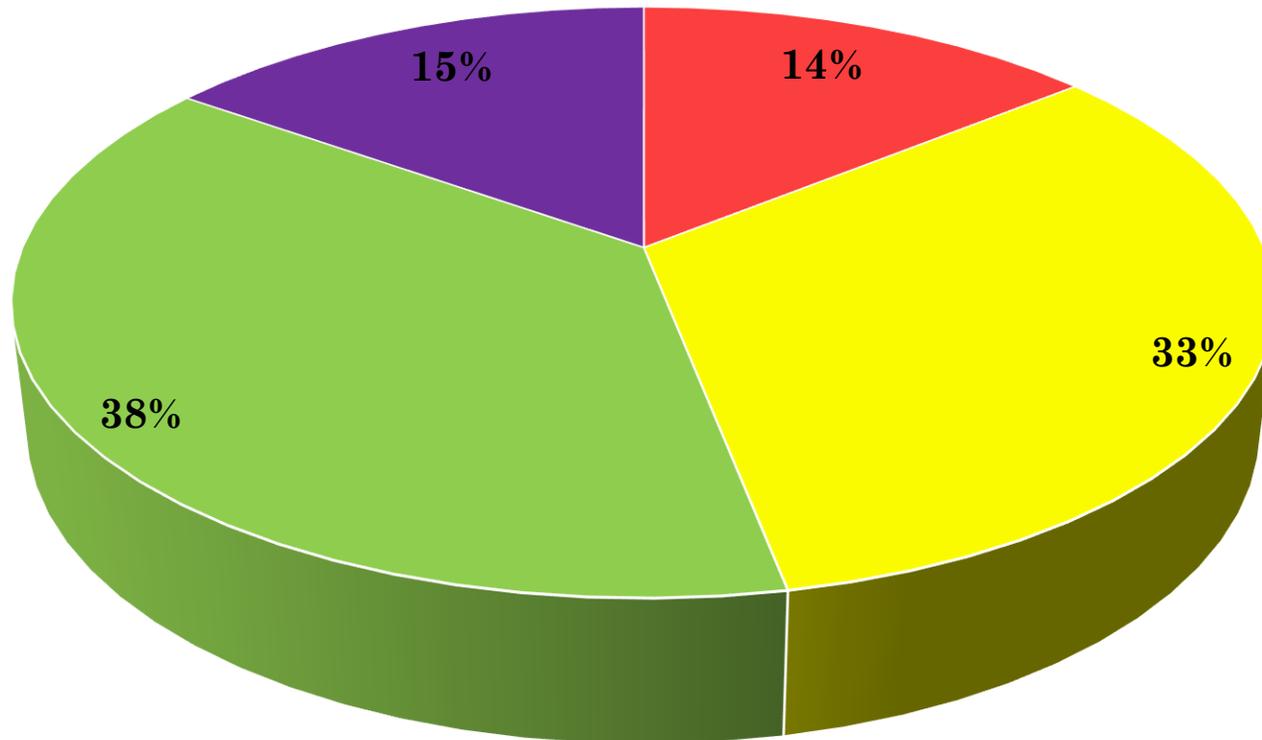
AI Adoption Survey Results Implement

- What are the main challenges you are facing in scaling up AI applications? (Select all that Apply)



- Data quality and availability
- Lack of AI expertise/knowledge
- Concern from employees
- Technical infrastructure limitations
- Regulatory and compliance issues
- N/A – No AI applications at my business

AI Adoption Survey Results Implement

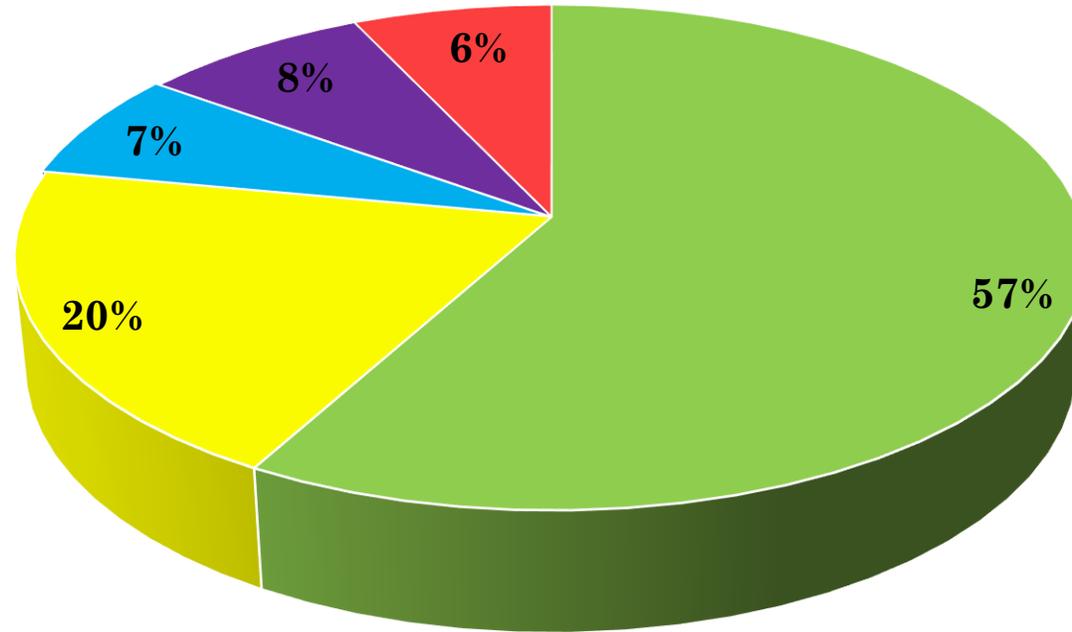


- New solution development
- AI enablement in existing
- Both
- N/A – Neither

- Is your AI rollout primarily new solution development (e.g., Add AI to an existing or new application) or AI enablement in existing SaaS platforms?

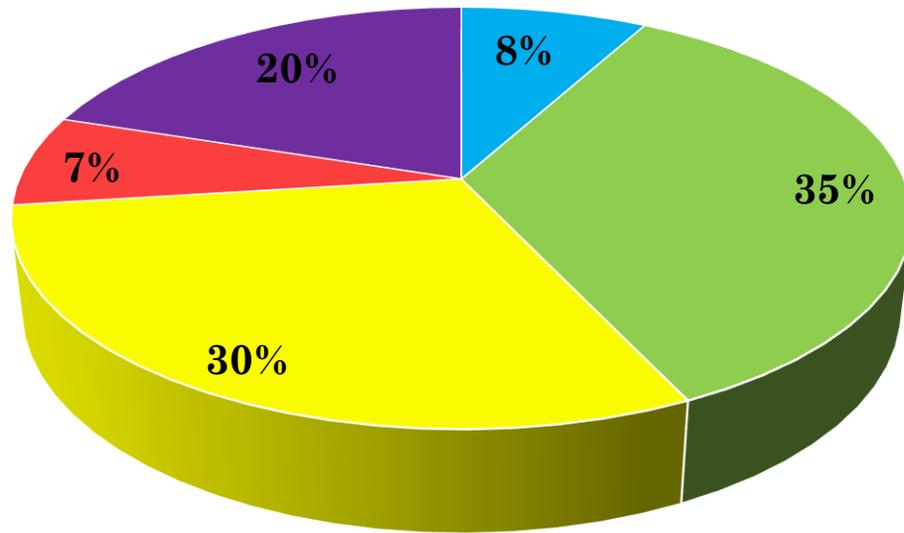
AI Adoption Survey Results Strategy

- What is your long-term strategic goal from investing in AI? [Drag & Drop Order Ranking]



- Increasing operational efficiency
- Enhancing customer experience
- Accelerating decision making
- Automation of routine tasks
- Creating new products/services

AI Adoption Survey Results Strategy

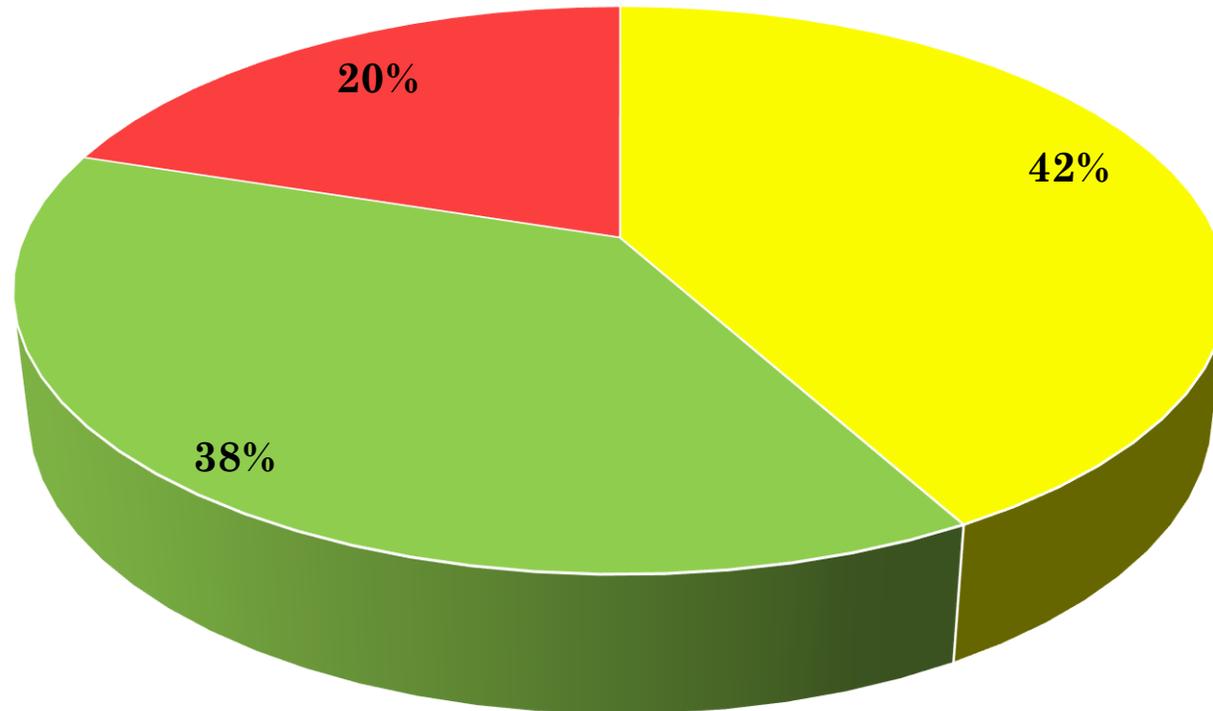


- AI is central to our business strategy
- AI is a part of our digital transformation strategy
- AI is used for specific projects or departments only
- AI is not part of our wider business strategy
- Not sure yet

- How are you incorporating AI into your company's wider business strategy?

AI Adoption Survey Results Strategy

- How closely do you collaborate with other business units (e.g., marketing, finance) to drive AI adoption?



- Strong collaboration; AI initiatives involve cross-functional teams.
- Some collaboration, but silos still exist.
- Minimal collaboration with other units.

AI Adoption Survey Results Strategy

OPTIONAL –

Can you share some examples of successful or unsuccessful applications of artificial intelligence in your company?



Inventory counting using Drones and Machine Vision



AI tooling with ML pipelines to speed up the development of object detection in autonomous vehicle development



Cycle time reduction in Manufacturing



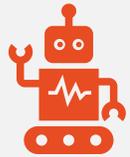
GitHub CoPilot offering greater developer productivity



None - we are not adopting AI, at least not at this time or in the near future



Ai is embedded in everything we do; survey responses vary based on which technology type in reference;



Hype vs. Impact: The AI
Evolution –

Christopher Stephens



CMU: Talents to
Operationalize AI –

AI – Special
Topic

Event calendar

- ❑ Next Group Meeting (Summer 2024)
- ❑ Industry Specific Dinners
- ❑ PTC Golf Outing (August 12)
- ❑ IT Leadership Development Cohort 7 (Fall 2024)



Thank You.

The CIO Advisory Board

Mark Husnick, Chair - ivision

Mike Abram – Westinghouse

Bill Balint – Indiana University of Pennsylvania

Bill Fortwangler – Dollar Bank

Katherine Karolick - Armada

Tushar Lovalekar - Koppers

Jack Smith – Federated Hermes

Jack Wolford – Schneider Downs

The CISO Advisory Board

Mark Husnick, Chair- ivision

Mike Conley, Industrial Scientific

Dave Coughanour, Ansys

Tom Dugas – Duquesne University

Dr. Trebor Z. Evans – Dollar Bank

Susan Koski - PNC

Julie Ray- US Steel

Justin Swanson – ConnectiveRX