Artificial Intelligence and County Government

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NACo
AI

What is it?

Challenges

Use Cases

History

County Next Steps
What Is AI?

1950s - Artificial Intelligence
the field of computer science that seeks to create intelligent machines that can replicate or exceed human intelligence.

1959 - Machine Learning
subset of AI that enables machines to learn from existing data and improve upon that data to make decisions or predictions.

2017 - Deep Learning
a machine learning technique in which layers of neural networks are used to process data and make decisions.

2021 - Generative AI
create new written, visual, and auditory content given prompts or existing data.
1900s: Radio and Airplane (Wright Brothers' flight)

1950s-60s: Early digital computers

1960s-90s: Internet

1950s-present: Artificial Intelligence (AI) (Development of AI)

2007: Smartphones (Introduction of the iPhone)

2000s-2010s: Social Media (Rise of platforms like Facebook, Twitter, and Instagram)

2023: Ongoing technological advancements (AI, Cyber)
History

Inception of AI

1950s: Turing's seminal paper on computing and intelligence.

1956: Official recognition of the field at the Dartmouth Conference.

1960s-70s: Development of fundamental AI algorithms and logic programming.
**History**

**Maturity of AI**

| 1980s: AI begins to solve real-world problems, like diagnosing diseases. |
| 1990s: Computers become faster and more accessible, helping AI grow. |
| Late 1990s: Expectations outpace reality, leading to a slowdown in AI hype. |
AI in Everyday Life

2010s: Smartphones use AI for voice assistants and photo tagging.

Mid-2010s: New AI creates art and music, predicts trends.

2020s: Generative AI helps in everyday tasks, from writing emails to finding directions.
Generative AI

Time to reach 100M users

100M

Mobile phones: 16 years

Internet: 7 years

Facebook: 4.5 years

ChatGPT: 2 months

50M

years

2 months
## Use Cases

### Impact on the County

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Benefits

Advantages

Increased productivity

Doesn’t take breaks

Shorter research time

Professional construct

Faster delivery of solutions

Workforce Assistance

AI
Challenges

Policy

- Accuracy
- Relevancy
- Bias
- Privacy
- Transparency
- Trade Secrets
- Mis-Dis Information (elections)

AI
“We recognize both the potential benefits and risks these tools enable,” Newsom said in a statement accompanying his order. “We’re neither frozen by the fears nor hypnotized by the upside. We’re taking a clear-eyed, humble approach to this world-changing technology. Asking questions. Seeking answers from experts. Focused on shaping the future of ethical, transparent and trustworthy AI.”
NACo and AI

AI Exploratory Committee

What is NACo Doing

Resources

Education

Exercises
NACo and AI

16 Members

NACo Techbrief

NACo Educational Articles

Workgroups
- Applications
- Policy
- Ethics
- Workforce

Outputs to include toolkit and guide

AI Exploratory Committee

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Educational Articles

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Exploratory Committee
Assistance Available Through NACo

Artificial Intelligence

- AI Exploratory Committee
- Tech Brief-ChatGPT
  - Fall Series
  - 2024 Series
Artificial Intelligence – What Next

Artificial Intelligence Exploratory Committee