



Artificial Intelligence in Cancer Care

Kristina Rua, MSN, RN, OCN,
ONN-CG



Agenda

What is Artificial Intelligence?

How does AI work?

AI in Cancer Care

Implications & Concerns



Are you using AI?

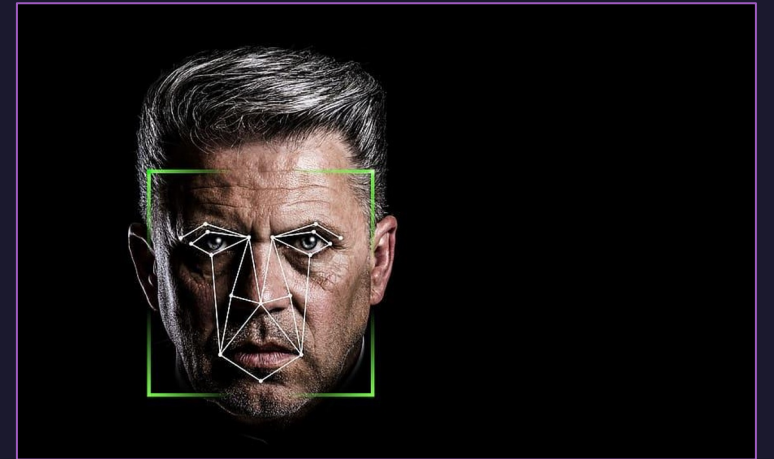
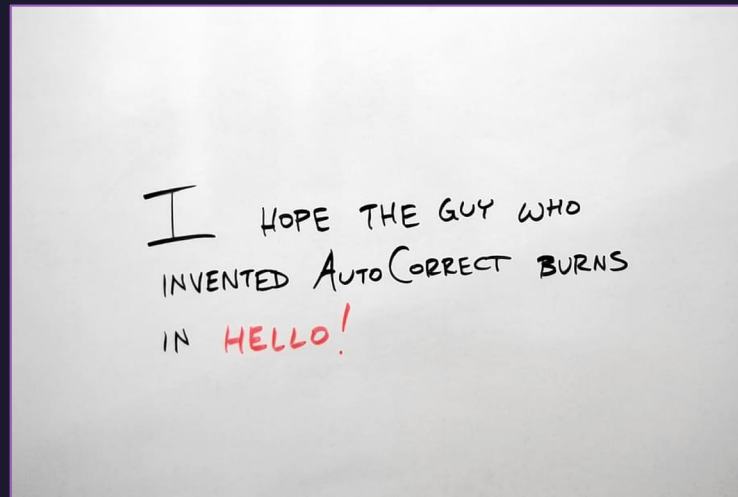
1. Not yet
2. Yes, in my professional career
3. Yes, in my personal life
4. Yes, both professionally and personally



What is AI?

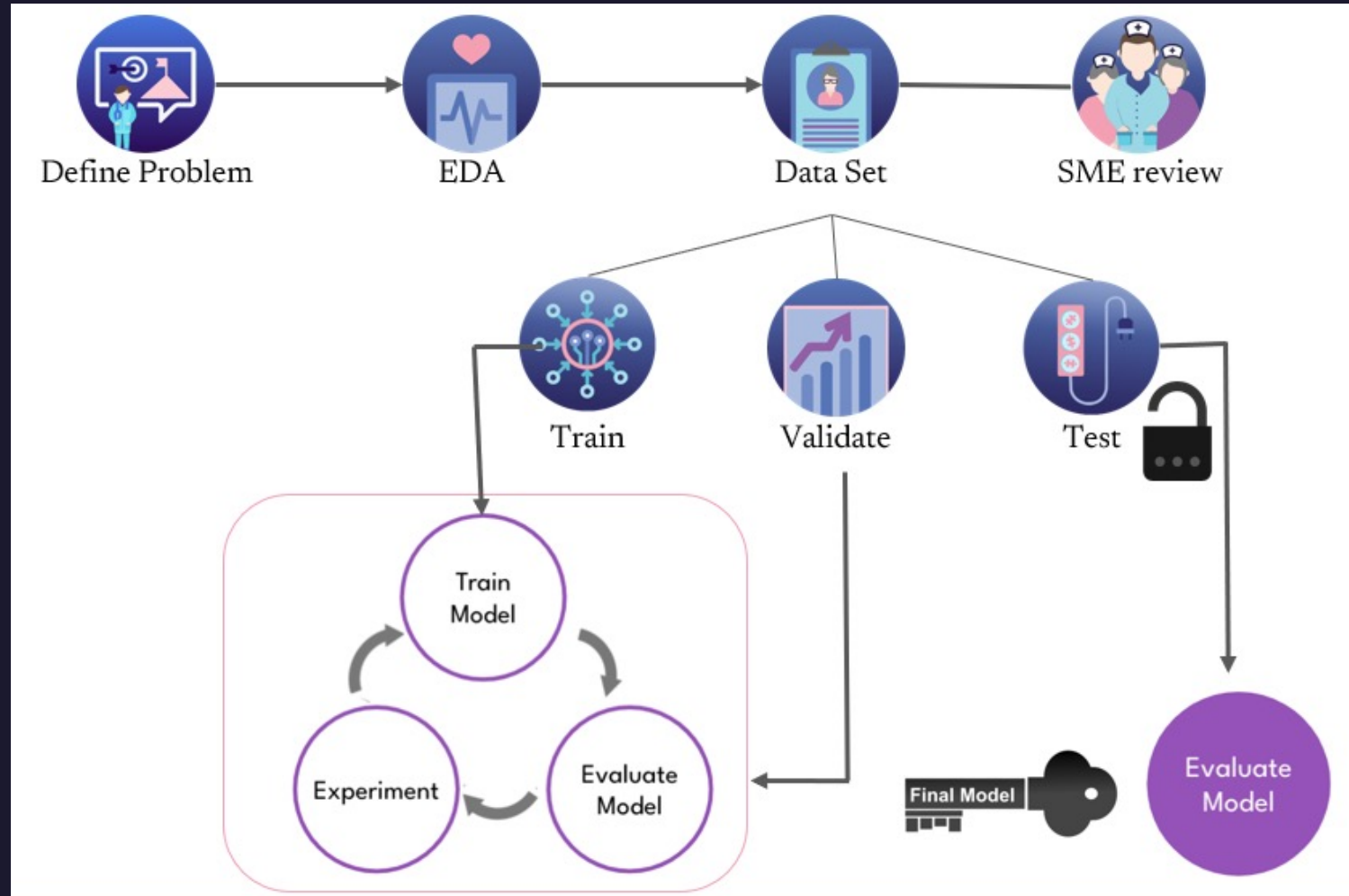
Using technology to create efficiencies for tasks that usually are very manual & time consuming!

Machine Learning (ML) + Natural Language Processing (NLP) = Artificial Intelligence



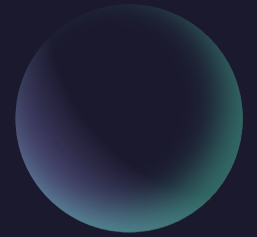
How does AI work?

Data Science Process



Precision (Capture Rate) + Recall (Queue Quality) = Performance

AI in Cancer Care



Early Detection

- Analyzing medical history
- Scanning imaging



Treatment

- Suggest approved therapies
- Suggest trial options



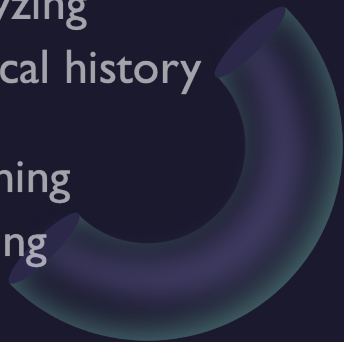
Outcomes

- Analyze patterns that indicate effectiveness of new drugs



Barriers

- Early identification of potential barriers to care



Implications & Concerns

ETHICAL, LEGAL, SOCIAL IMPLICATIONS



Regulatory vacuum



Minimal clinical input



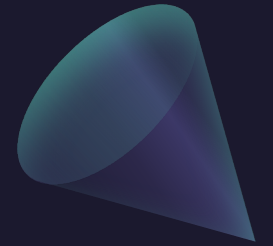
Automation bias



Opportunities for data breaching



Data privacy





Questions

Thank You

Kristina Rua, MSN, RN, OCN, ONN-CG

Kristina.rua@usa.genescare.com

