

Responsible AI for mental health

Umar Nizamani

This is a talk about AI, the
new tool in our utility belt ..

And like all tools, we need
to put on our safety gear
before we use it.

Hey, I'm Umar!

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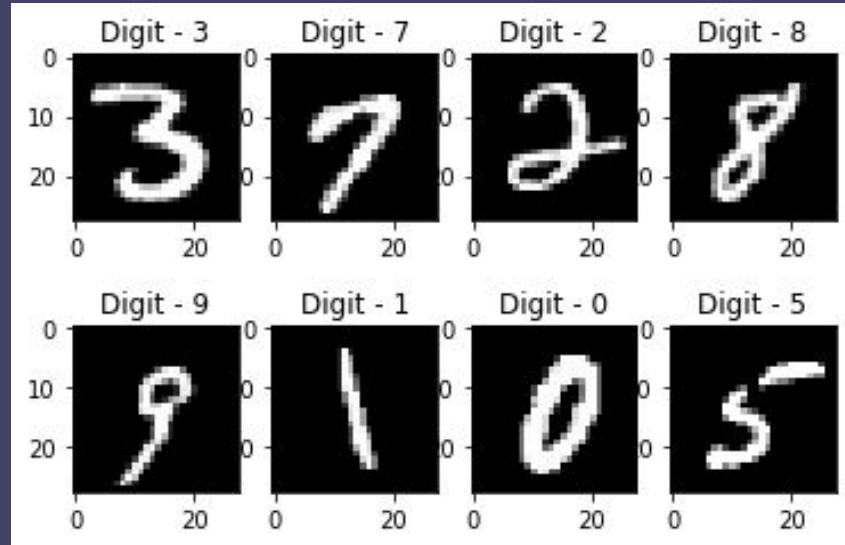


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AI is having a growth spur,
but it's not new

1980 - 2010



Recognizing handwritten numbers

2010 - 2020s



Behind the scenes of a self driving car

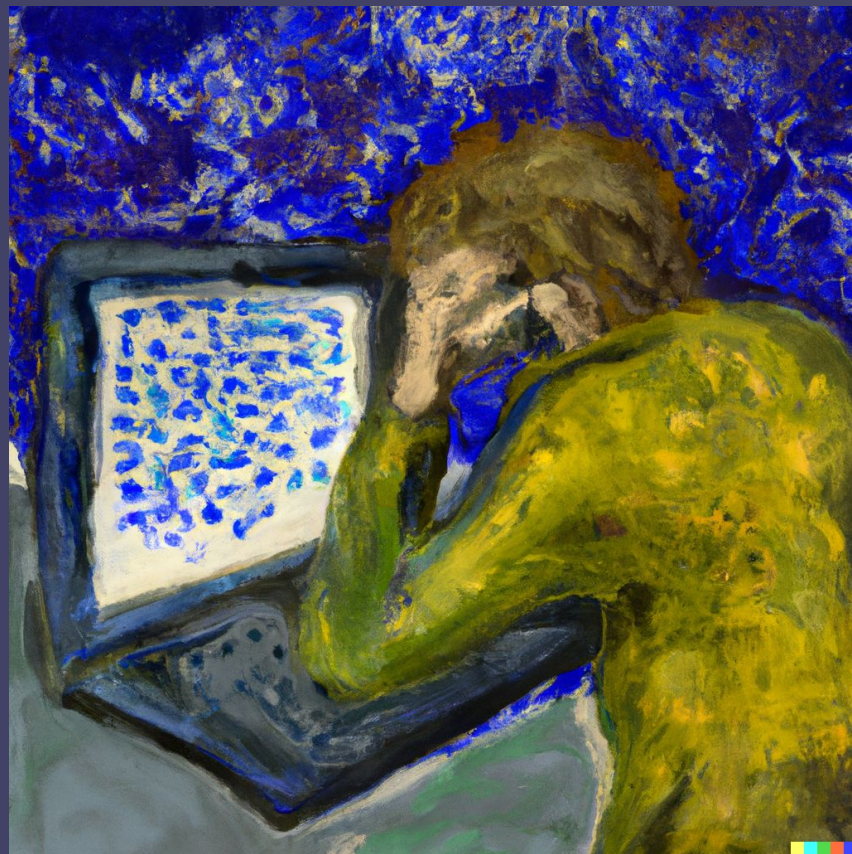
Today

"Maintain human relevance by cultivating education, adaptability, creativity, and emotional intelligence." 



via photoai.com

AI generated picture of me

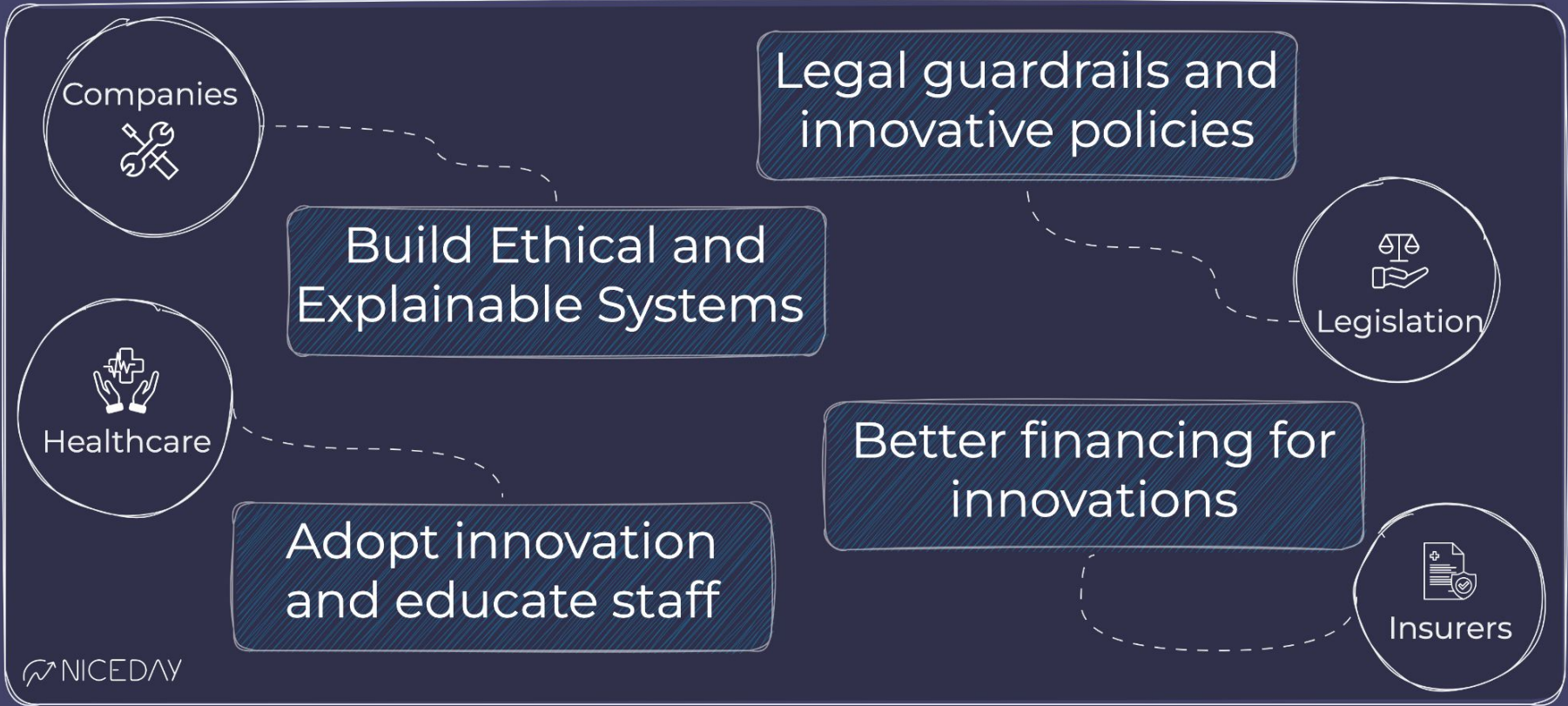


AI anxiety in the style of van gogh

No, AI is not going to
replace the therapist

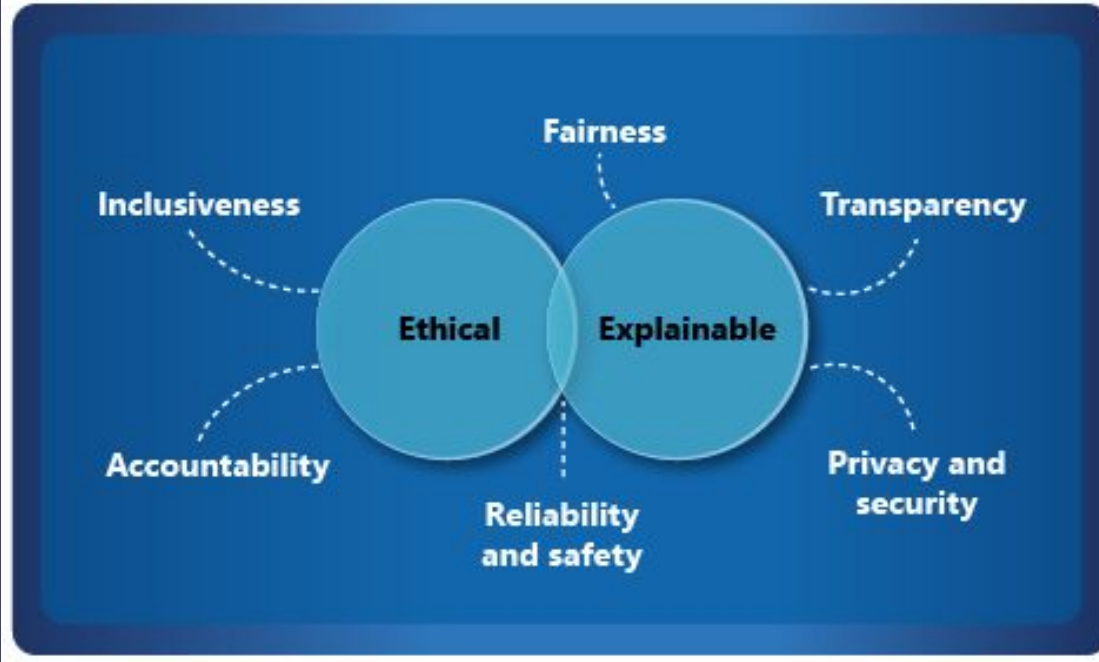
Therapists using AI will replace
Therapists not using AI

Responsible AI in healthcare



























The principles of responsible AI



Source: Microsoft Azure

Data check

| Rank | Name | Top reasons to check client | |
|------|--|---|---|
| 1 |   Eva Molen | <ul style="list-style-type: none">• Large increase in negative registrations• SMQ: decrease of 1.5• Reminder on, thought record not completed |   |
| 2 |   Bora | <ul style="list-style-type: none">• 5 days since last registration• Reminder off, thought record not completed |  ✓ Feedback sent |
| 3 |   Ralph Edwards | <ul style="list-style-type: none">• Small increase in negative registrations |  ✓ Feedback sent |
| 4 |   Boris van den Burg | <ul style="list-style-type: none">• Decrease in positive registrations• Activities: 2 planned, 2 completed |   |
| 5 |   Key Jong | <ul style="list-style-type: none">• Reminder off, diary completed• Positive registrations are stable |   |
| 6 |   Dianne | <ul style="list-style-type: none">• SMQ: increase of 3 |   |

Explainable AI in NiceDay

The self-driving car doesn't
go to jail, the driver does.

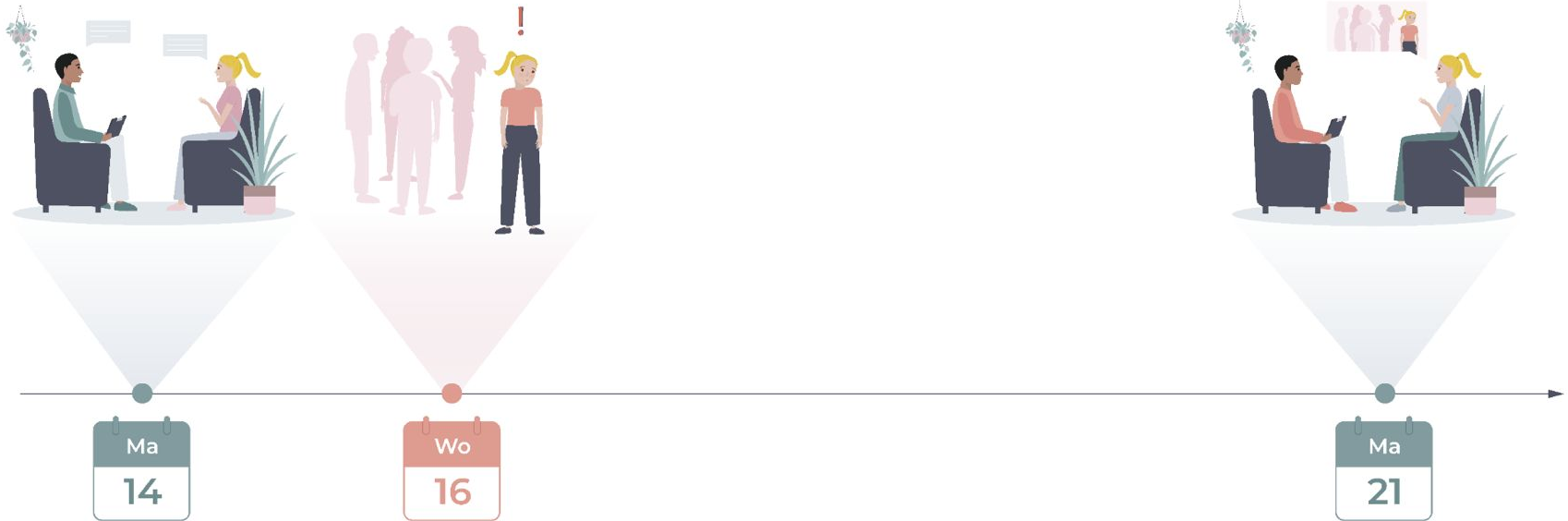


Let's start building
responsible AI tools!

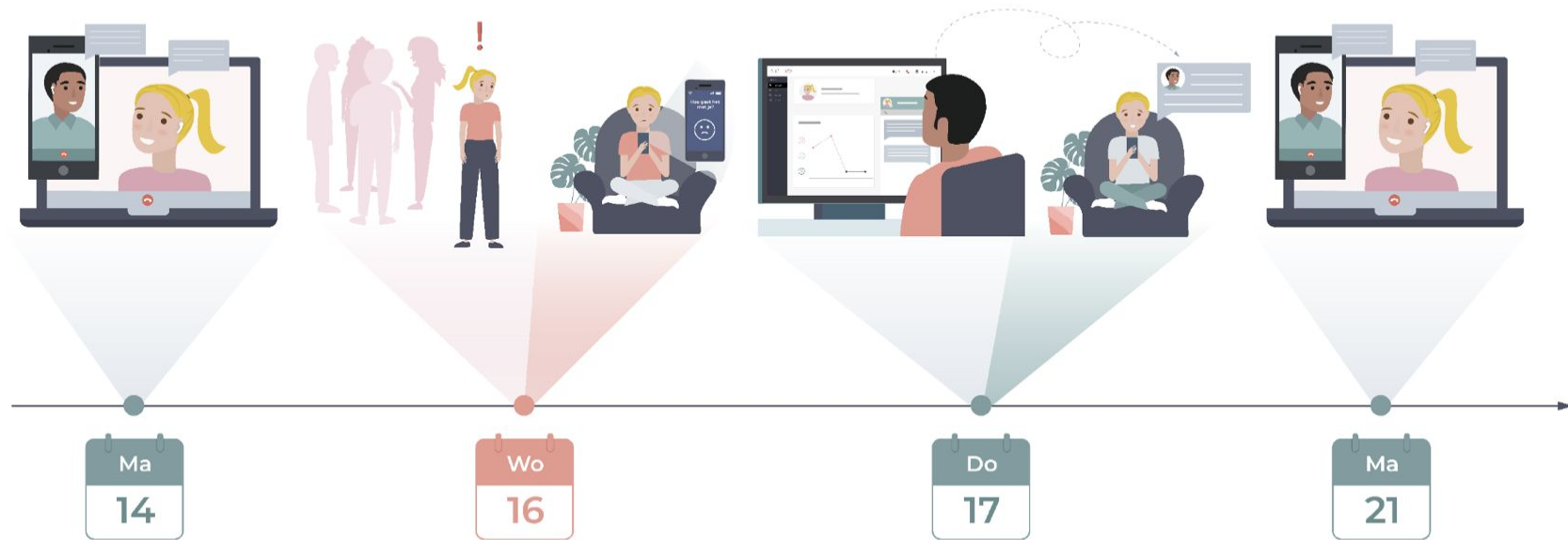
Not so fast..

It's not only the tools, it's
the whole process!

Traditional Care



Data Supported Care



“If I had asked people what they wanted, they would have said faster horses”

Henry Ford

On being asked about the first car

Lets reimagine care
beyond just faster horses.

Thanks!

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Slides: umarniz.com/dme-responsible-ai



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