Human + AI: The Future of Intelligence

Kristin Day
Health.AI

Hello!

I am Kristin Day

I am here because I love creating Artificial Intelligence systems using Python!

- teach python (data science)
- work with python
- have fun with python

You can contact me at
kday@healthai.us

We'll be discussing using Python for AI development. But, first . . .

What is AI?

“Artificial intelligence is the science and engineering of making computers behave in ways that, until recently, we thought required human intelligence.”

Andrew Moore, Former-Dean of the School of Computer Science at Carnegie Mellon University

Types of AI

Narrow

Current state of AI: Models and systems can only handle the information they were built to handle or the data they were trained on. Computers cannot generalize to unseen/unlearned situations.

General

Like human intelligence: Can generalize information about dogs and cats to other animals (for example).

Should we fear that AI will take over the World?

Short Answer:

No! The current state of AI is lifetimes away from general AI. This means, computers can only do what we train them to do.

Long Answer:

There are still ethical concerns with AI. If we feed AI systems biased data, we will get biased results. This can have real life consequences for people. Examples: mortgage lending and employment applications.

PYTHON FOR AI

- Great Library Ecosystem
- Easier to learn than other languages (low entry barrier)
- Flexibility
- Platform Independence
- Readability
- Good Visualization Options
- Community Support
- Growing Popularity

From:

https://towardsdatascience.com/8-reasons-why-python-is-good-for-artificial-intelligence-and-machine-learning-4a23f6bed2e6

What is the biggest barrier to AI?

Data

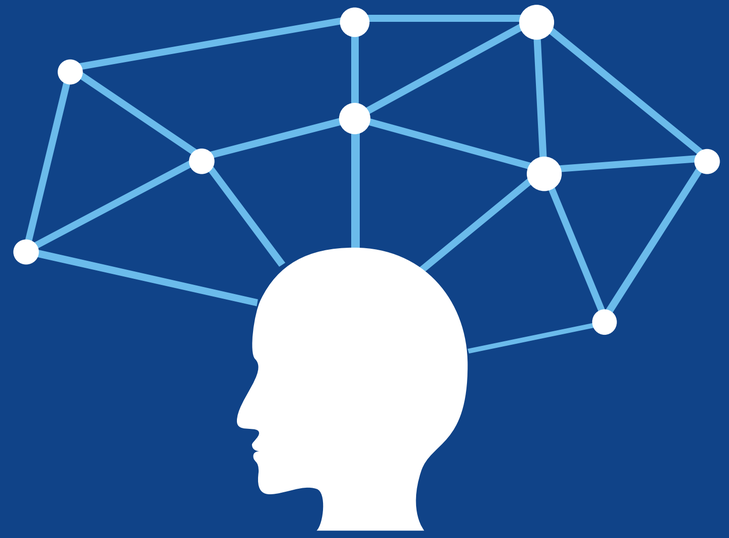
Start thinking of data as an asset!

How do we value data as an asset?

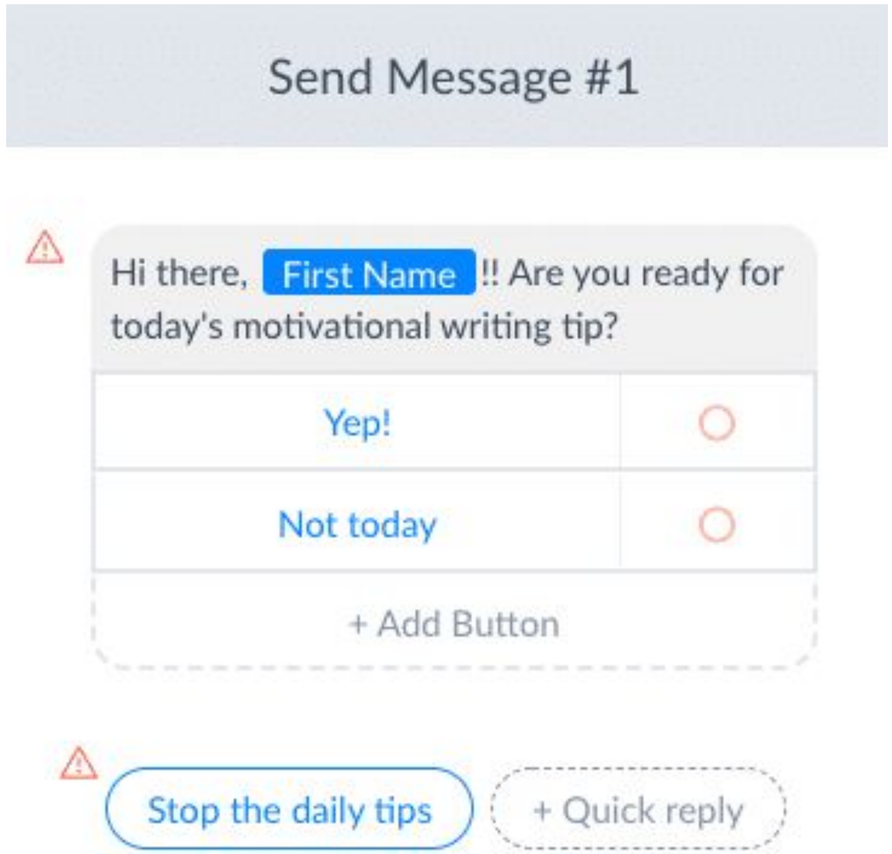
How do we value AI systems?

Human in the Loop

Why integrating human action and AI is the cutting edge of AI technology?



Clean Data


Send Message #1
Hi there, First Name !! Are you ready for today's motivational writing tip?
Yep!
Not today
+ Add Button
Stop the daily tips
+ Quick reply

What is Required?

DATA SCIENCE/
MACHINE LEARNING

DETAILS: USE THE DATA TO CREATE PREDICTION MODELS

USE THE PREDICTIONS

DETAILS: FEED THE PREDICTIONS BACK INTO THE PLATFORM

DATA

DETAILS: CLEAN, ORGANIZE AND STORE DATA

HUMAN USE SOFTWARE PLATFORM

UX AND SOFTWARE ENGINEERING CREATE A PLATFORM THAT HUMANS USE WITH DATA COLLECTION ON THE BACK END.

Thanks!

Any questions?

You can contact me at:
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Presentation Design

This presentation uses the following typographies and colors:

Free Fonts used:

https://www.fontsquirrel.com/fonts/nunito

Colors used