

If you would like to participate in a live poll today...
open the camera app on your phone,
scan the QR code,
or type PolleEV.com/prediction, to get ready.



Radcliffe gratefully acknowledges the Melanie Mason and David W. Niemiec Fund for Science, which is supporting this event

*Please use the Zoom Q&A feature to submit questions at any time during the program,
and please keep questions short to increase the likelihood that we can respond.*



BenchSci



Dr. Casandra Mangroo
Vice President of Science, BenchSci
**Accelerating Preclinical R&D
with Artificial Intelligence**



Dr. Regina Barzilay
Distinguished Prof. of AI & Health, MIT
**AI Algorithms
for Drug Discovery**



AI and the Future of Health

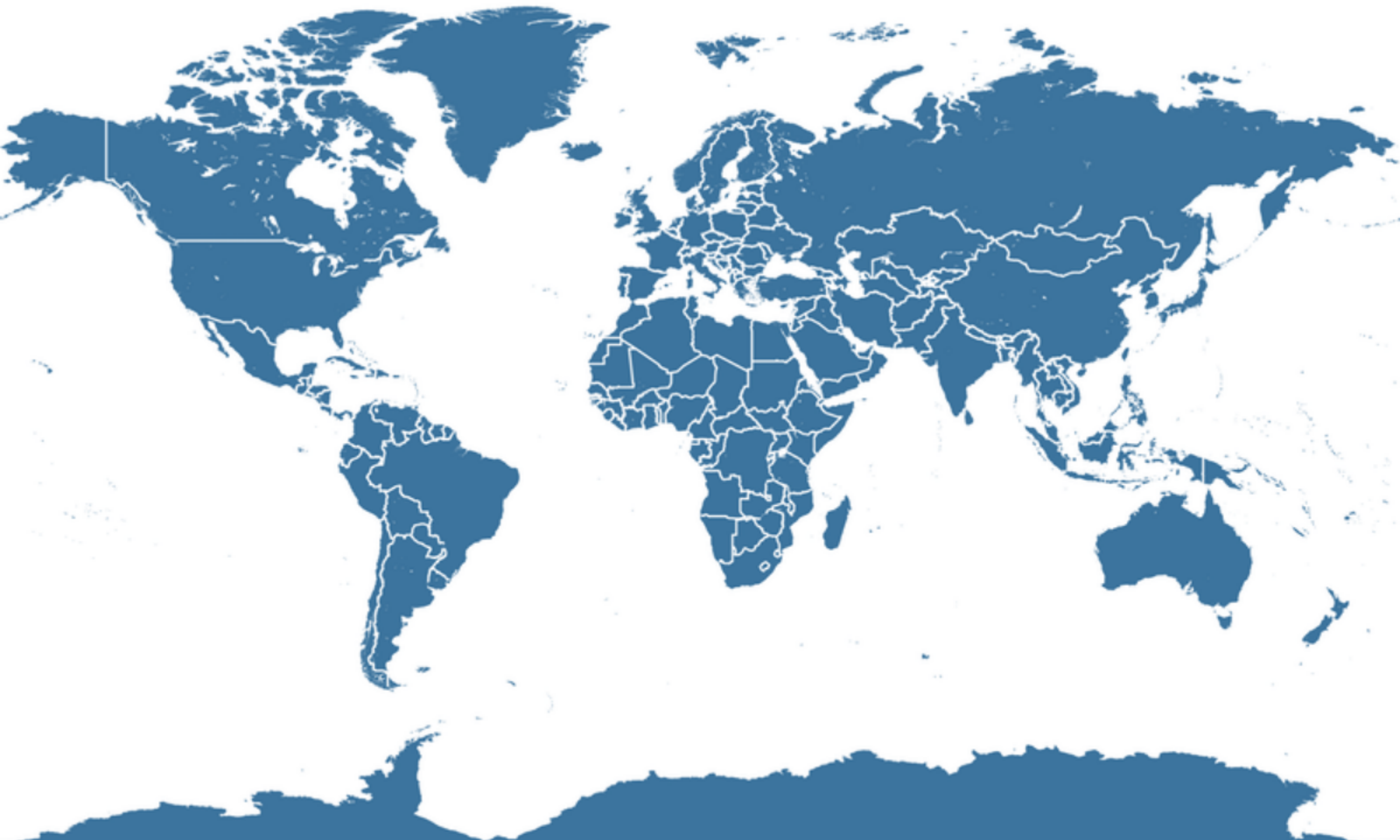


Harvard
Radcliffe
Institute

Moderated by Dr. Alyssa Goodman

R.W. Willson Prof. of Astronomy, Faculty co-Director for Science, Radcliffe

Where are you today?



Respond at pollev.com/prediction

Text **PREDICTION** to **22333** once to join, then **A, B, C, D, or E**

You & AI

Significant part of what I do for a living **A**

Very familiar with AI, but not part of my work **B**

Know about some aspects of AI, but not “expert” **C**

Vaguely familiar with AI **D**

No background in AI **E**

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You & Health

My main line of work

Part of what I do

A significant interest for me, but not professionally

One of many interests, not paramount for me

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What's different about "AI"?

20th century

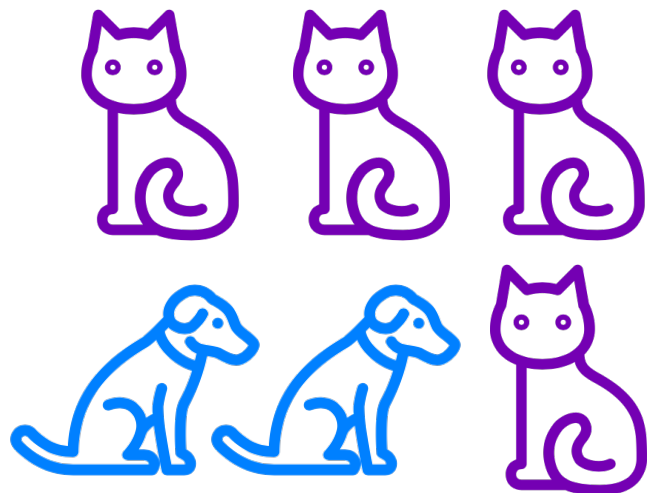


21st century?



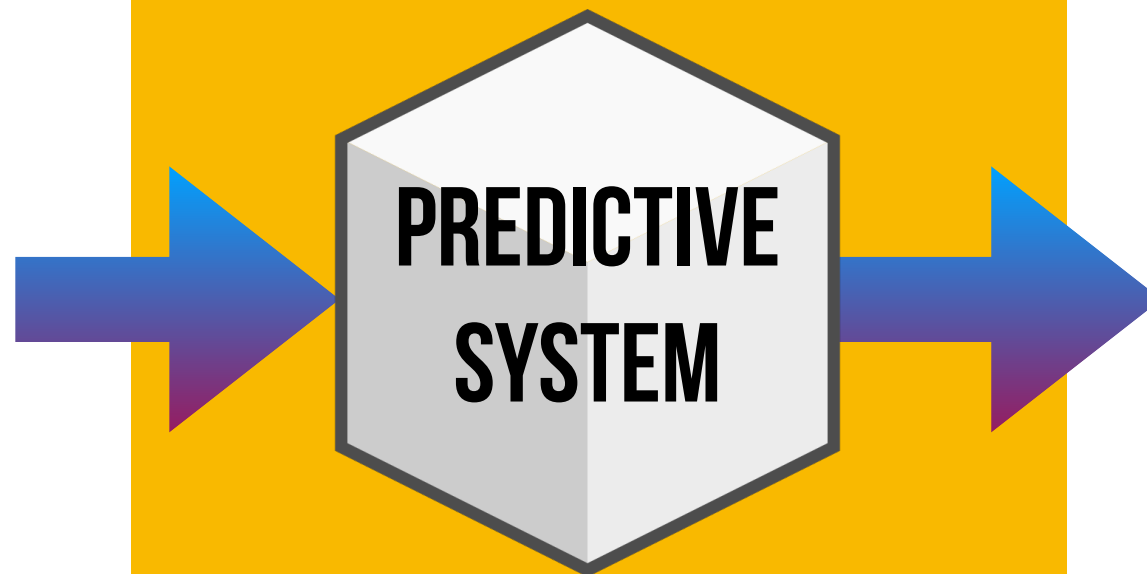
What's "machine learning"?

"training"
data



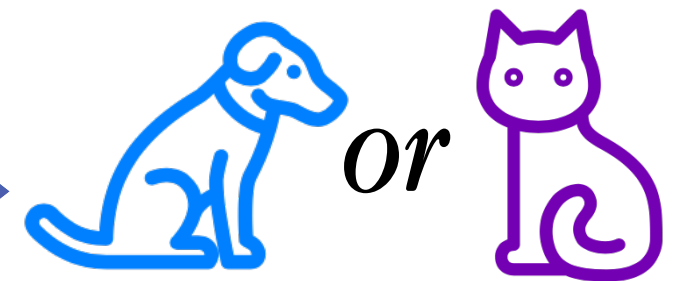
sufficient?
unbiased?

learning
algorithm



supervised?
unsupervised?

"predicted"
answer



uncertainty?
bias?



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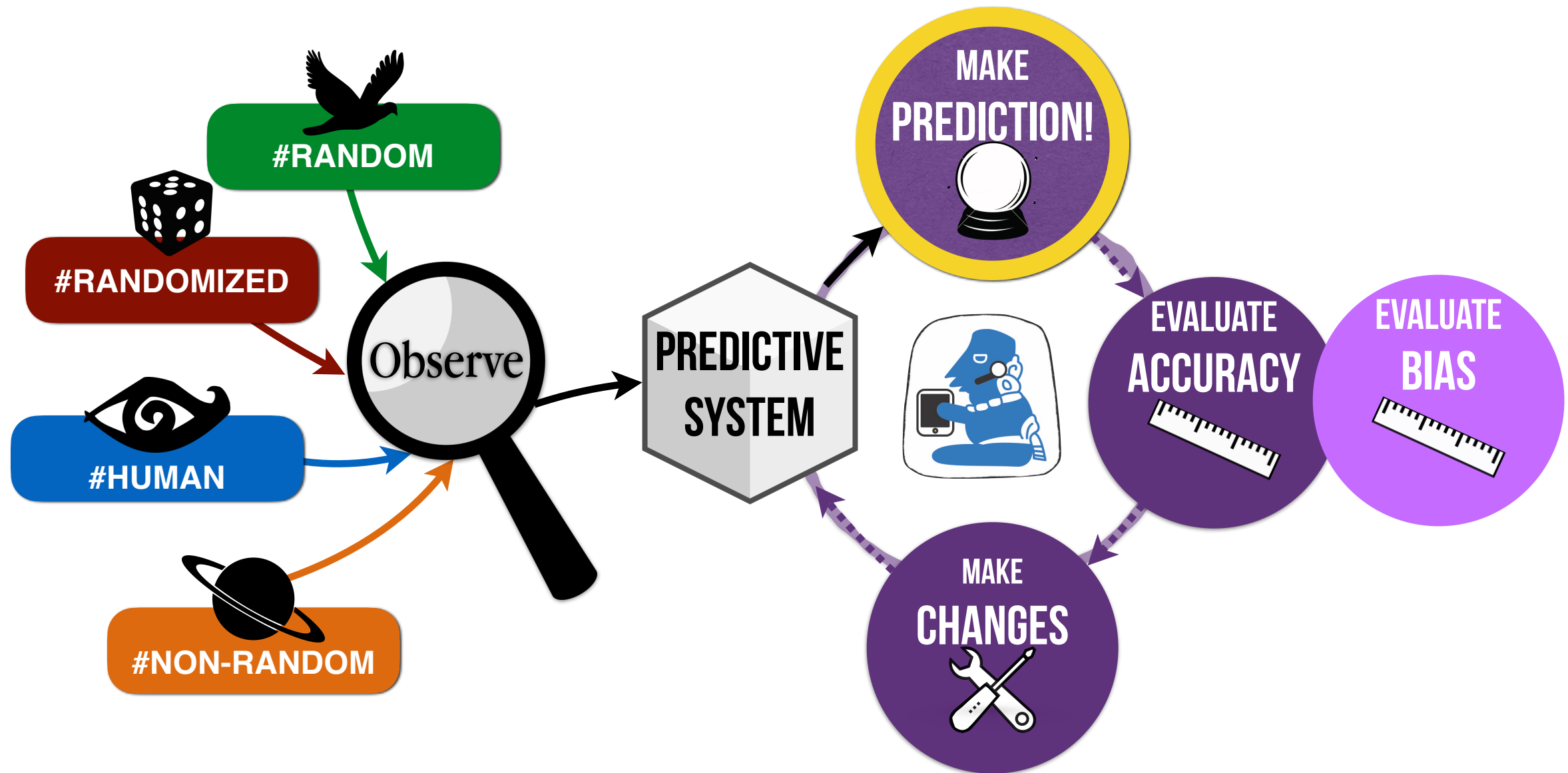
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slides that may be used in discussion

A Modern Framework for Predictive Systems



Questions in Modeling Property Prediction

Representation Capacity

Low Resource Training

Mechanism Understanding

Uncertainty Estimation

Credit: R. Barzilay



Empower organizational purpose by restoring research time to scientists


Credit: BenchSci website

To keep the conversation going...visit the AI "Forum" at PredictionX.org


The Prediction Project



The Past and Present of the Future

f t v i s




HOME ABOUT MATERIALS COURSES TALKS WRITINGS PRESS FORUM






 Prof. Alyssa Goodman  PredictionX Team 5m ago · Edited: 1s ago


AI & The Future of Health, at HRI, April 1, 2021


We thought we'd start this thread so attendees at the "[AI & The Future of Health](#)" event at the [Harvard Radcliffe Insitute](#) can continue discussion online. Feel free to post your thoughts and questions here, and the PredictionX team will facilitate followup. (Event video link will go here once event ends.)




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