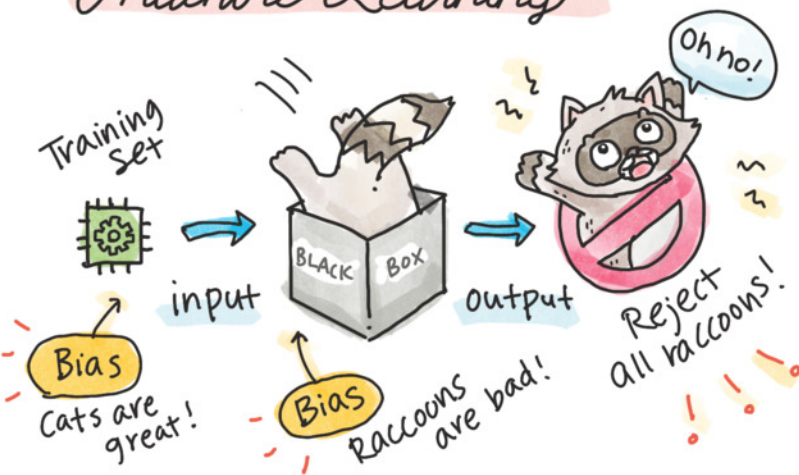


Fairness in Machine Learning



Fairness-related harms

Unfairness =

negative impacts for group of people such as those defined in terms of

- race
- age
- gender
- disability status

Harms:

- ☆ Allocation
- ☆ Quality of service
- ☆ Stereotyping
- ☆ Denigration
- ☆ Over- / under-representation



Complex sociotechnical challenges



@Azure Advocates
@girlie-mac

Assessment & mitigation

- ♥ Identify the harm (+ benefits)
- ♥ Identify the affected groups
- ♥ Define fairness metrics

False negatives

False positives

	False-	False+	Counts
men	0.35	0.27	6239
women	0.29	0.35	3124

Fairlearn
fairlearn.github.io

