

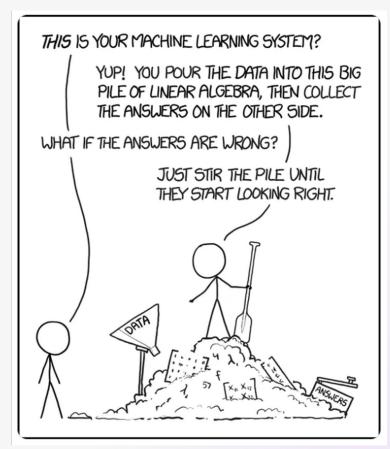
Striking the Balance

Safeguarding data privacy while empowering employees



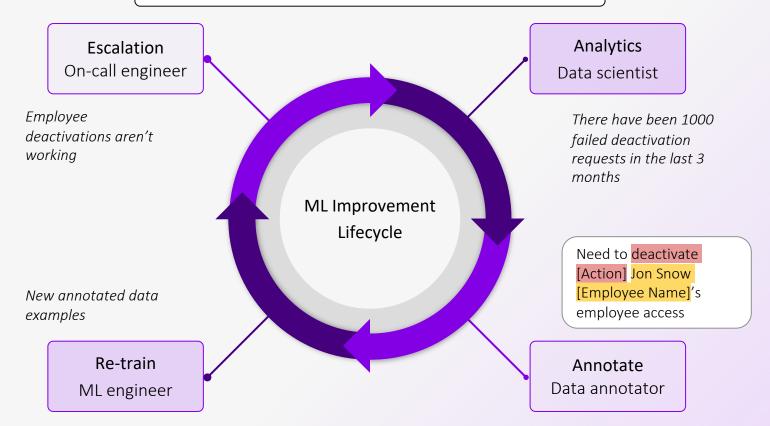
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Large models = LOTS of data



Humans in the loop

"Need to deactivate Jon Snow's employee access"









Data Masking

What's the goal? Protect sensitive information from unauthorized exposure.

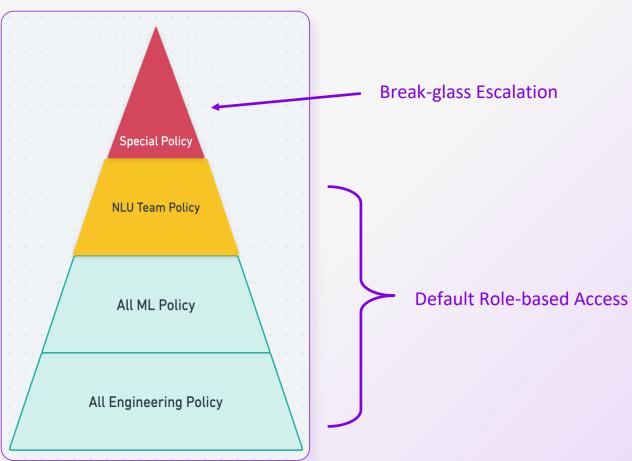
Need to deactivate Jon Snow's employee access as they have left: jsnow@mw.com, EID12345.

Please advise on steps needed to complete this request.

Need to deactivate <PII_NAME> employee access as they have left: <PII_EMAIL>, <PII_IDENTIFIER>.

Please advise on steps need to complete this request.

Access Control



How do we apply these tools?

		Data Masking	Access Control	Details
1	Escalation	$\overline{\checkmark}$	V	 Who can access the portal Mask utterance and metadata Break-glass mechanism
	Oncall Engineer			- S. can glace meanann
	Analytics			Mask highly-sensitive PIIWho can perform the analytics
2	Data Scientist	•	V	Restrict JOINs
	Annotate		V	Only annotate on masked data Break-glass mechanism
3	Data Annotator	V	V	• break glass meenanism
	Re-train			Some models can be trained on masked data, but some can't
4	ML Engineer	•	V	Who can access the training data

Key Takeaways

What data do your employees need?

How can access to that data be limited by role?

How can your employees operate on masked data?

How can we identify sensitive data for masking?

Do we need a break-glass unmasking mechanism?

How can we provide time-bound access?



Thank you!



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