



aws INNOVATE

AI/ML EDITION

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Bias detection and explainability in ML Solutions

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Bias in Data and Models

Model Explainability

Recap

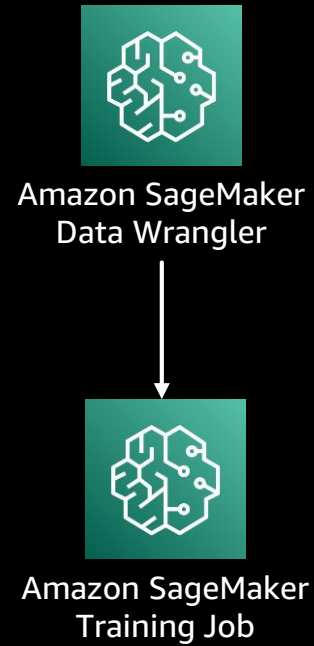


Amazon SageMaker
Data Wrangler

1

Collect and prepare training data
Measure data bias metrics

Recap



1 **Collect and prepare training data**
Measure data bias metrics

2 **Train model**

Recap



1 **Collect and prepare training data**
Measure data bias metrics

2 **Train model**

3 **Evaluate and qualify model**
Measure model bias metrics
Measure explainability metrics

Next steps / resources

Amazon SageMaker Clarify (Documentation)



<https://go.aws/3L1EXZE>

Fairness Measures for Machine Learning in Finance (Whitepaper)



<https://bit.ly/3oliFrX>

Amazon AI Fairness and Explainability (Whitepaper)



<https://bit.ly/3omLy78>

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Thank you!

Pauline Kelly

