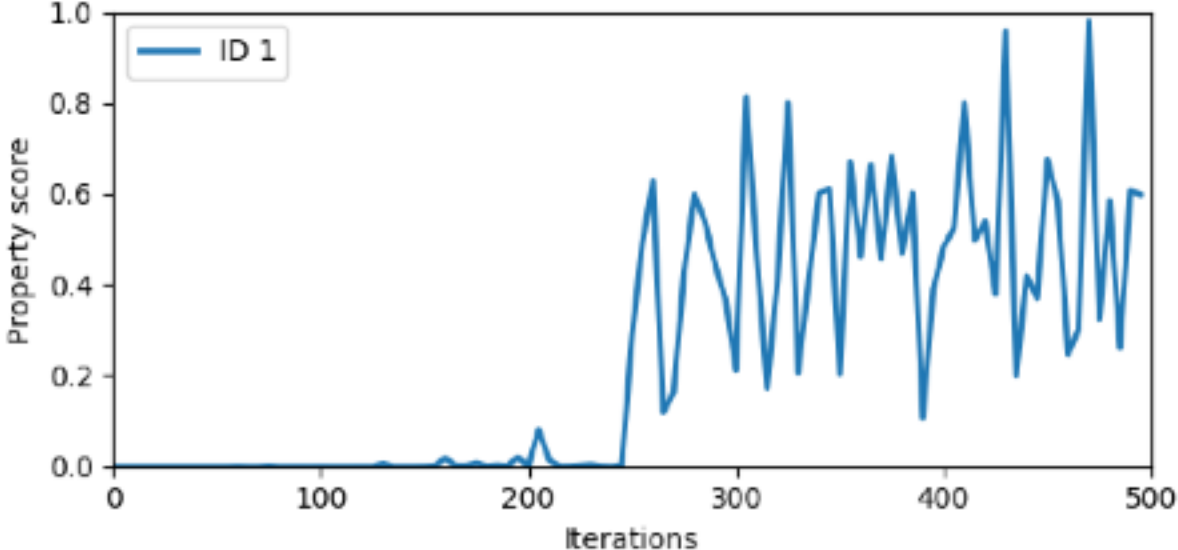
Inferring when a property occurs

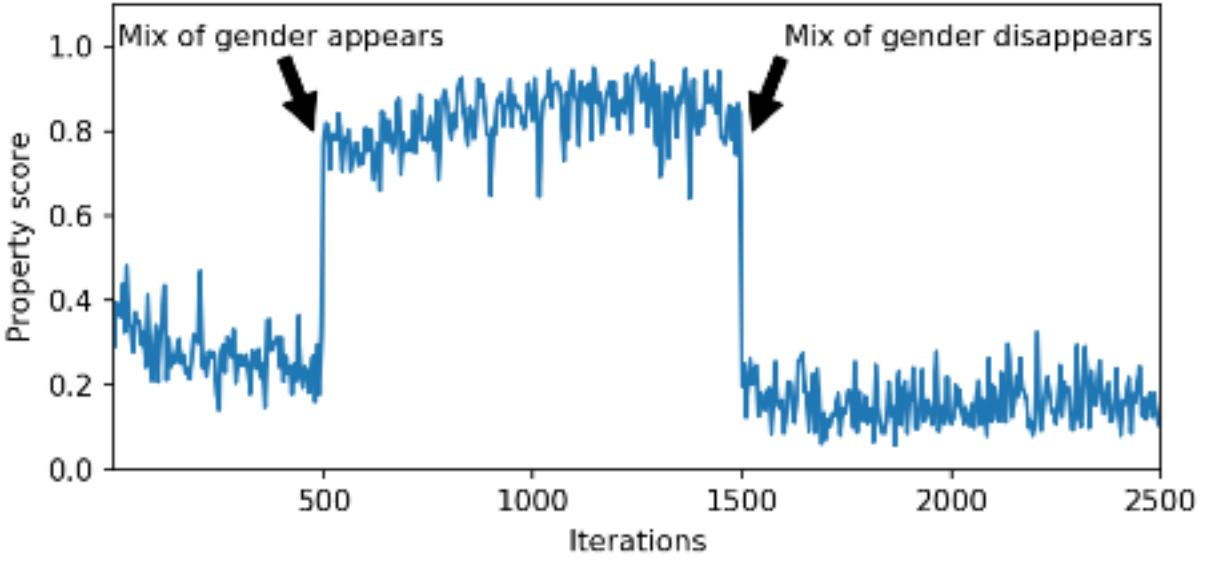
Main task: Age / Two-party
Inference task: people in the image are of the same gender (PIPA)

Batches with the property appear


ID 1
Property score
Iterations
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

Main task: Gender / Multi-Party
Inference task: author identification

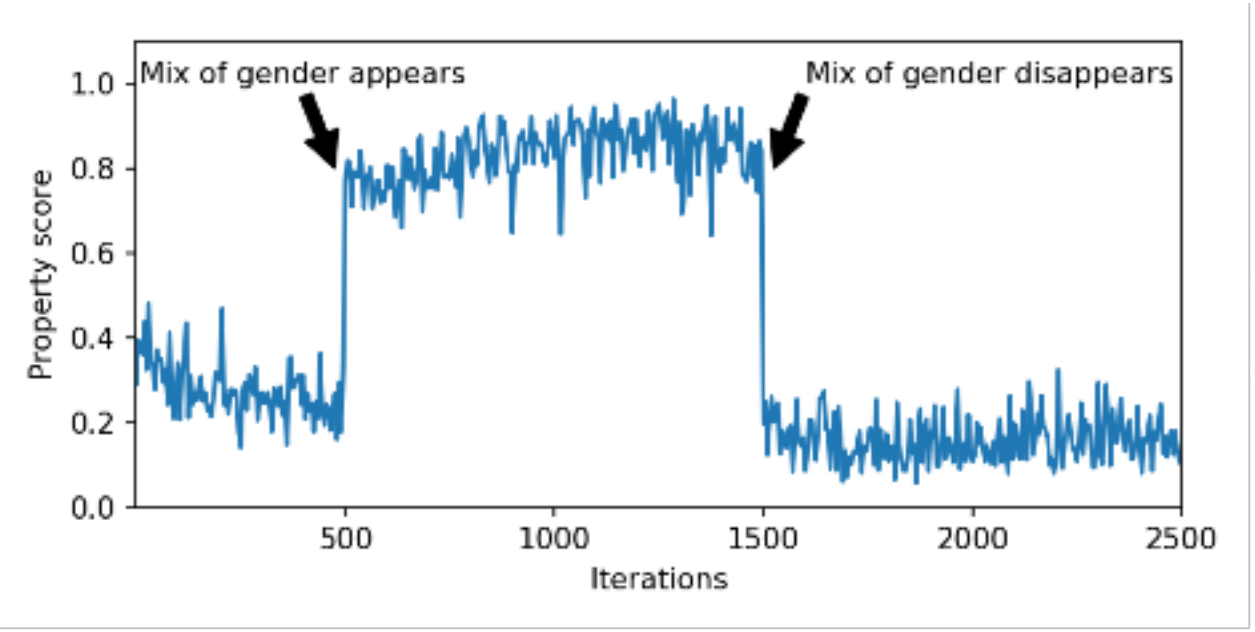
Participant with ID 1 joins training


Mix of gender appears
Mix of gender disappears
Property score
1.0
0.8
0.6
0.4
0.2
0.0
500
1000
1500
2000
2500
Iterations

41

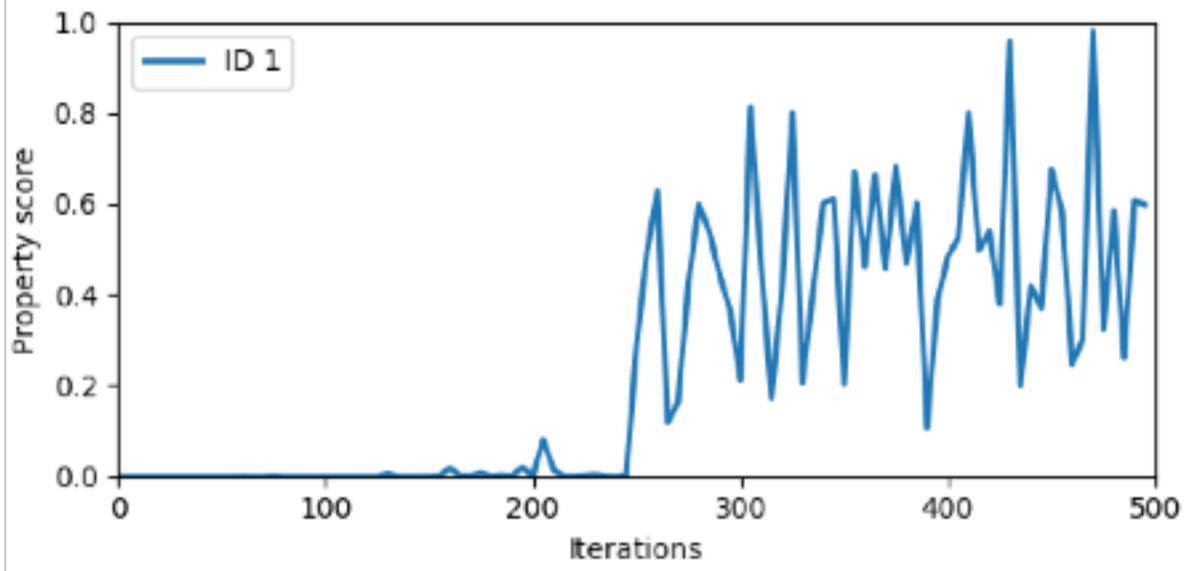
Inferring when a property occurs

Batches with the property appear



Main task: Age / Two-party
Inference task: people in the image are of the same gender (PIPA)

Participant with ID 1 joins training



Main task: Gender / Multi-Party
Inference task: author identification

Defenses?