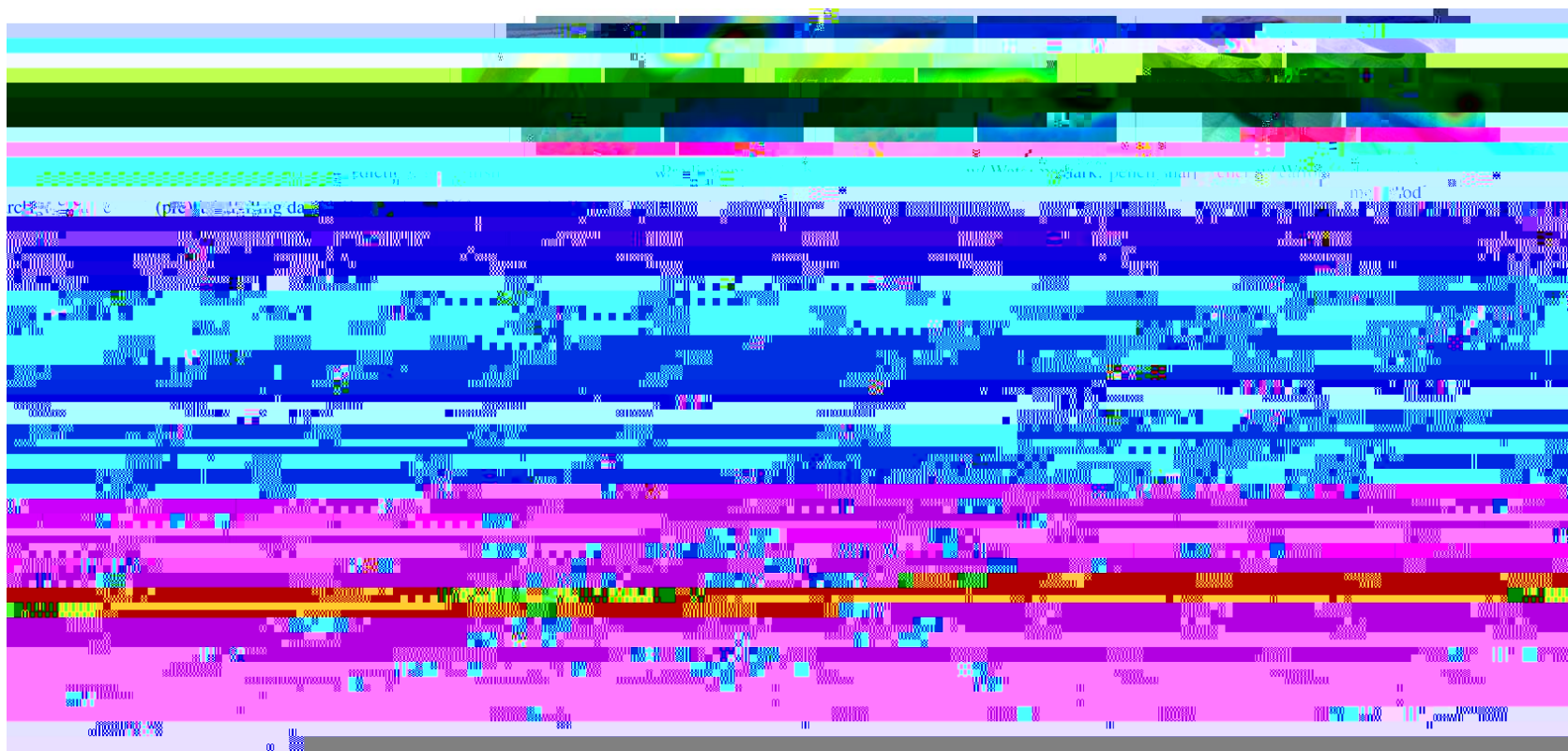


Rui Hu  
2023.1.7

# Motivation







# Analytic Experiment on New Dataset

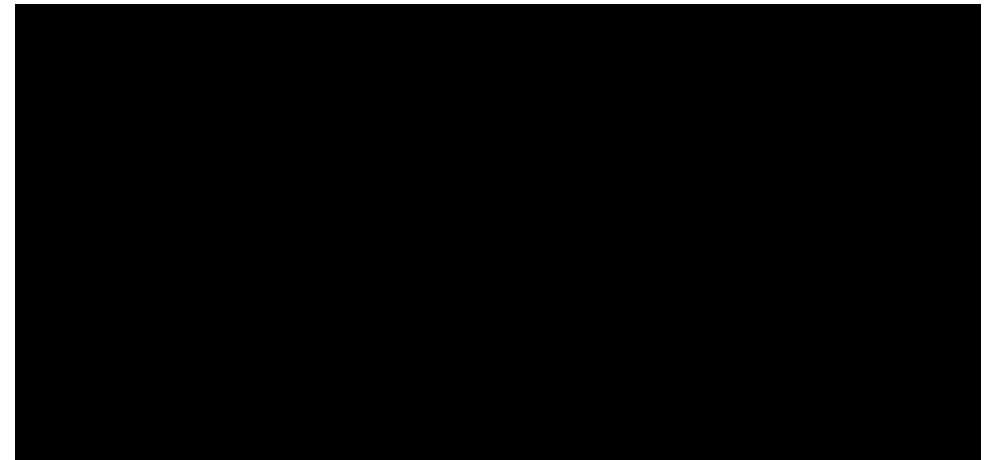
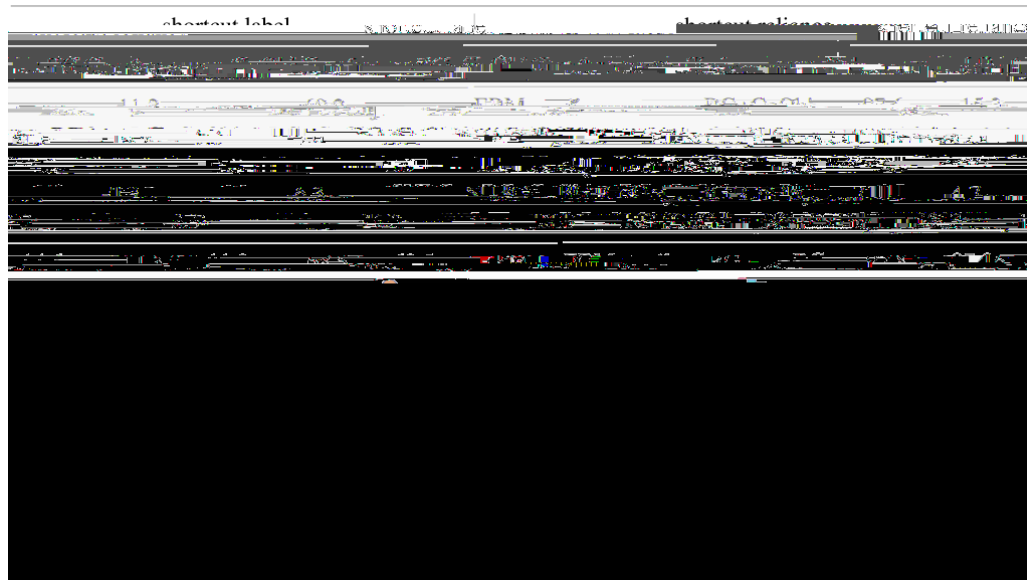
Standard training relies on multiple shore1.3.4-US

# Analytic Experiment on New Dataset

Methods using shortcut labels mitigate the labeled shortcut but amplifies the unlabeled one.

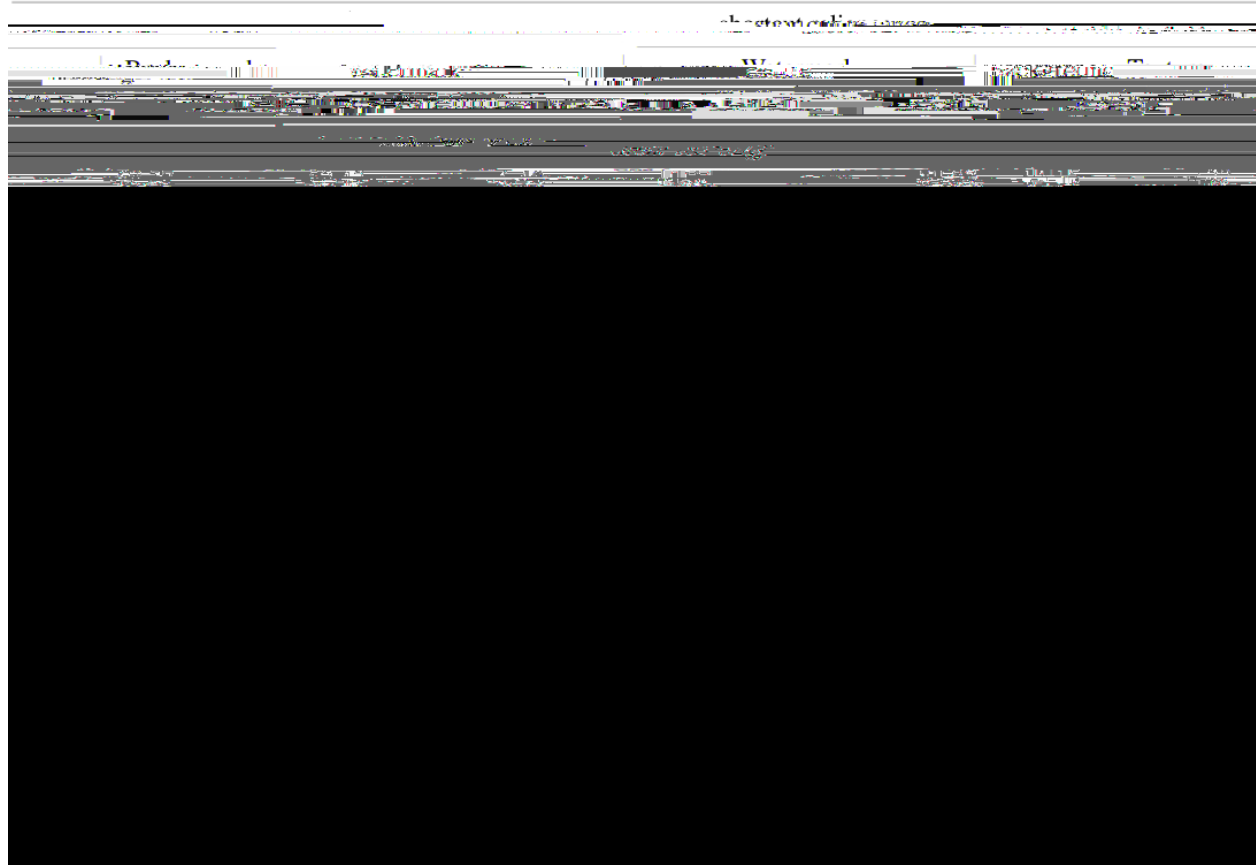
Methods inferring pseud shortcut labels still amplify shortcuts. (previous page)

Because ERM learns different shortcuts asynchronously during training, making it hard to infer labels of all shortcuts for mitigation.



# Analytic Experiment on New Dataset

Self-supervised and foundation models can mitigate some shortcuts but amplify others.







# Conclusion

Studying the Whac-A-Mole dilemma of **Large Pretrained Models** in shortcut mitigation is meaningful.