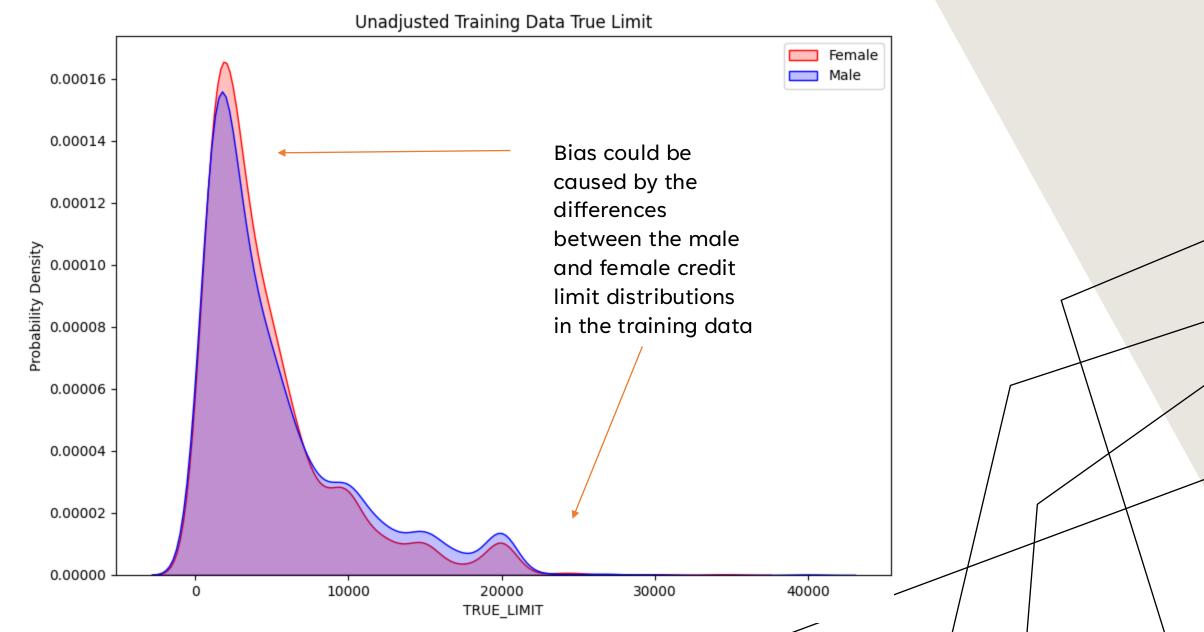


TRAIN & EVALUATE RIDGE AND LASSO MODELS

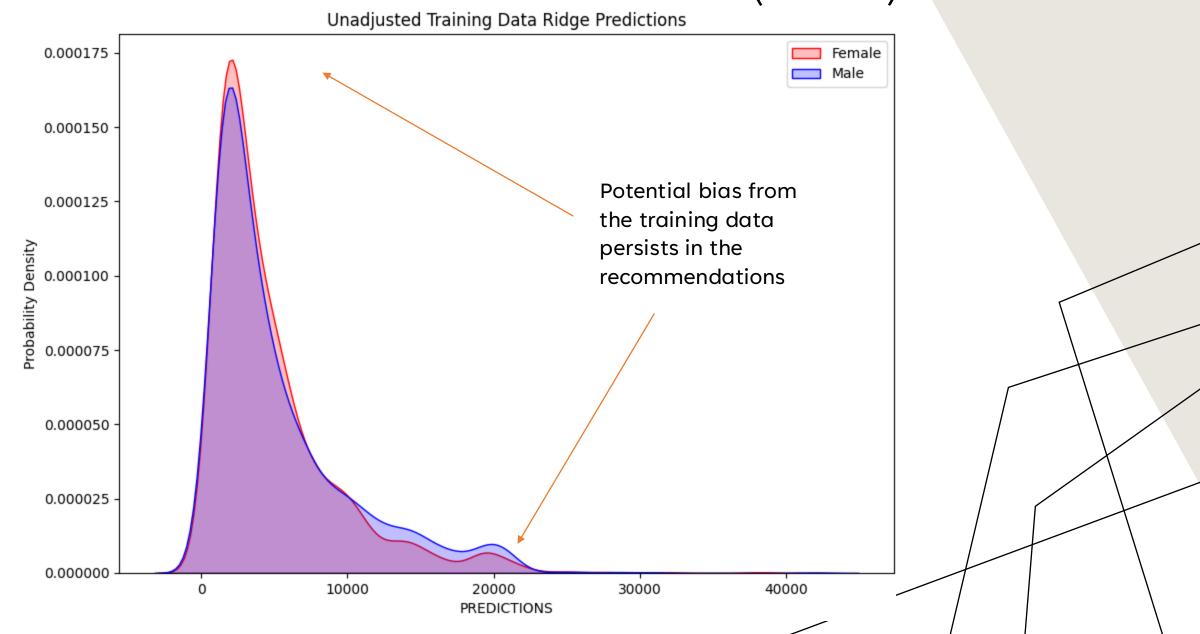
- 1. Train models to evaluate performance
- Create Kernel Density Estimate (KDE) plot to understand the probability density of credit limits for each gender in the training data
- 3. Use the KDE plot to understand how the probability distribution of the training data impacts predictions



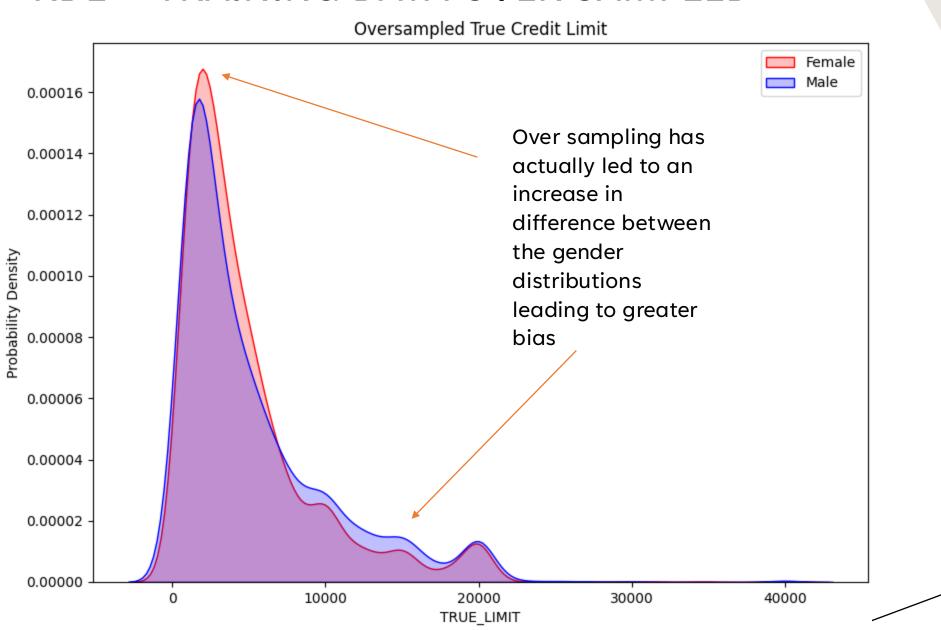
#### KDE – TRAINING DATA CREDIT LIMITS



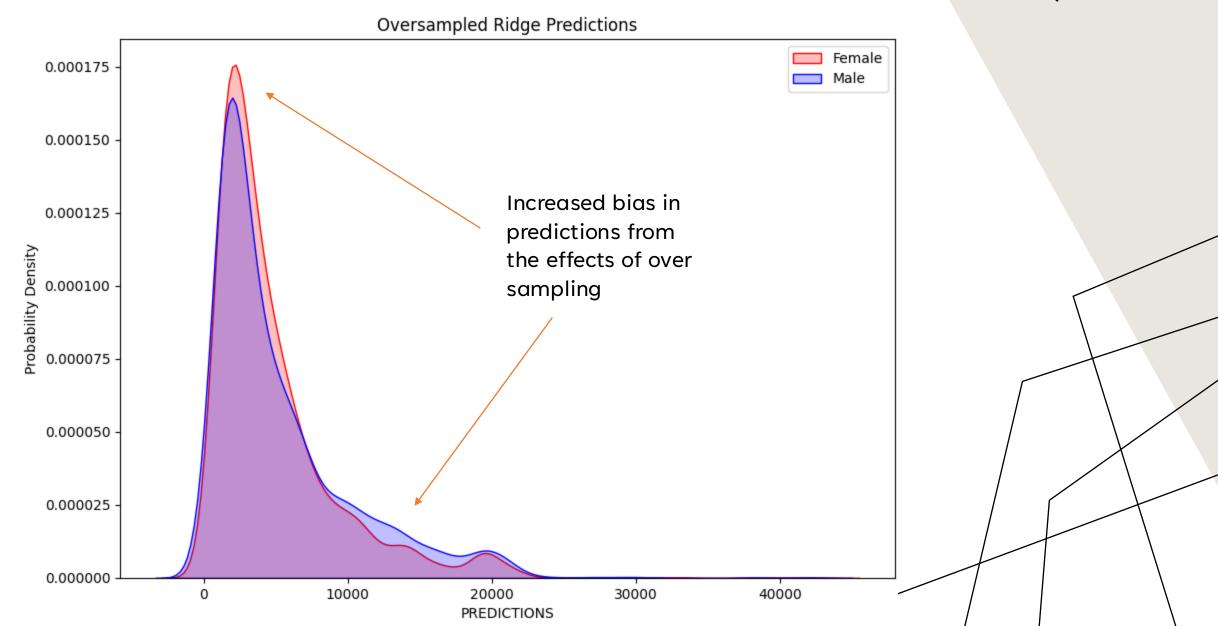
#### KDE - RIDGE MODEL RECOMMENDATIONS (BIASED)



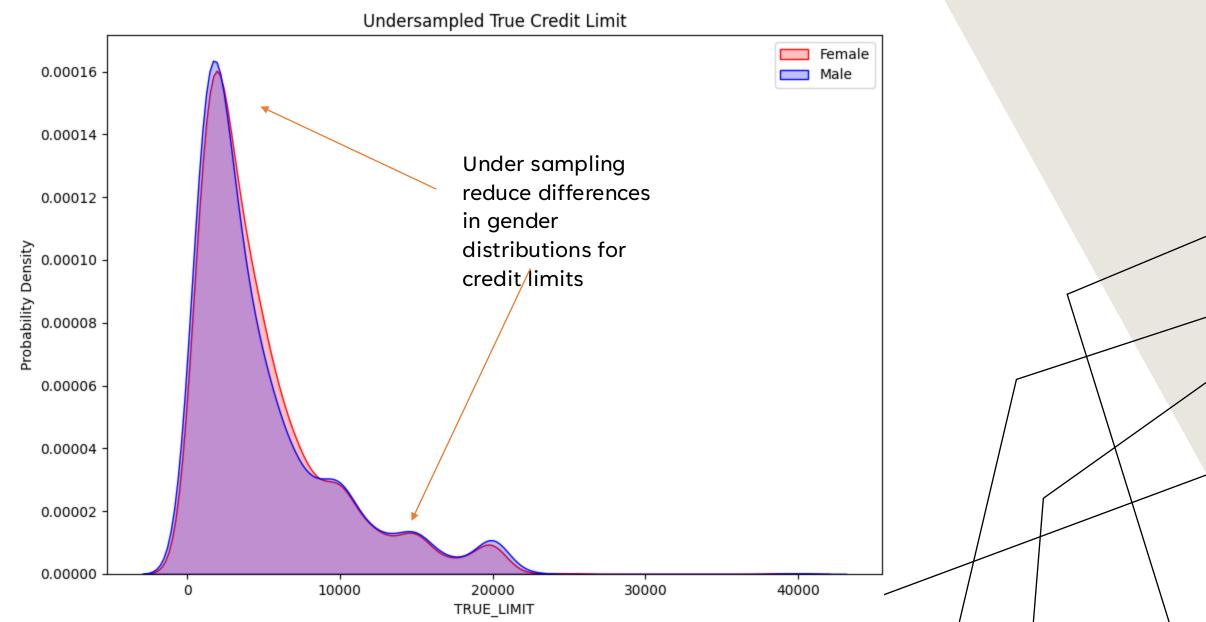
#### KDE – TRAINING DATA OVER SAMPLED



# KDE - RIDGE MODEL RECOMMENDATIONS (OVER SAMPLED)



# KDE - TRAINING DATA TRUE LIMIT (UNDER SAMPLED)



# KDE - RIDGE PREDICTION (UNDER SAMPLED)

