

dependencies at prediction time.

We study a prediction model on feature vectors with differential underreporting X where true outcomes Y are a function of the latent 'true' features

Z. Missingness ξ is influenced by group membership G. We consider both cases in which feature distributions vary by group membership and cases with $G \perp Z$.

In our setting, missingness indicators ξ are unobserved and group membership G is only used for model evaluation and not as a feature. The graph reflects the