

S2: Multi-Class Size, Precision, and Recall

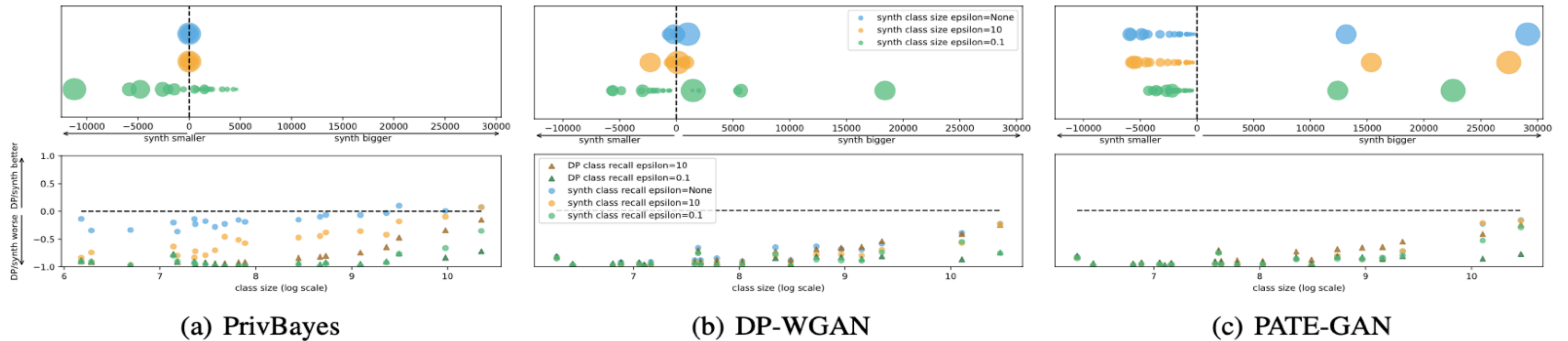


Figure 3: Synthetic data class (multi-class) size relative to real (top) (the size of the bubbles denotes the relative size in the real data), DP classifiers and synthetic classifiers recall relative to real (bottom) for different levels of ϵ , *Purchases*.

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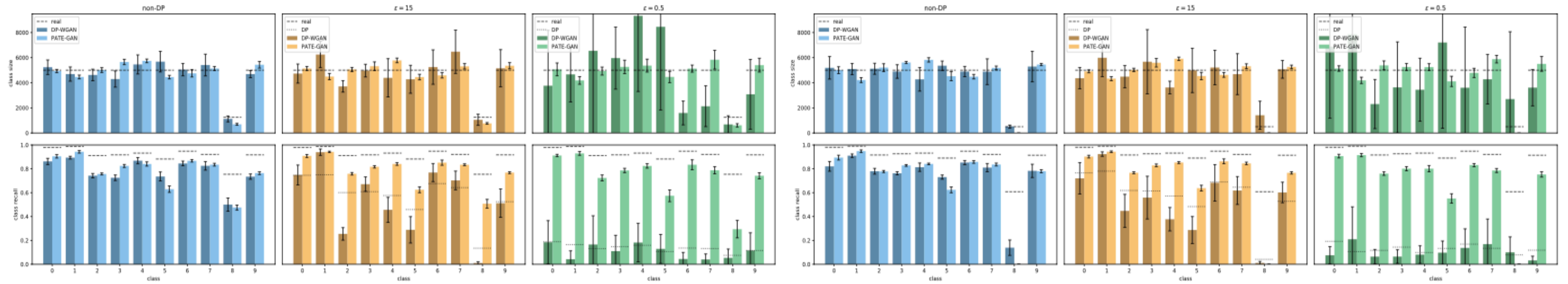


Figure 4: Synthetic data class (multi-class) size (top), real, DP and synthetic classifiers recall (bottom) for different imbalance of class “8” and levels of ϵ , *MNIST*.

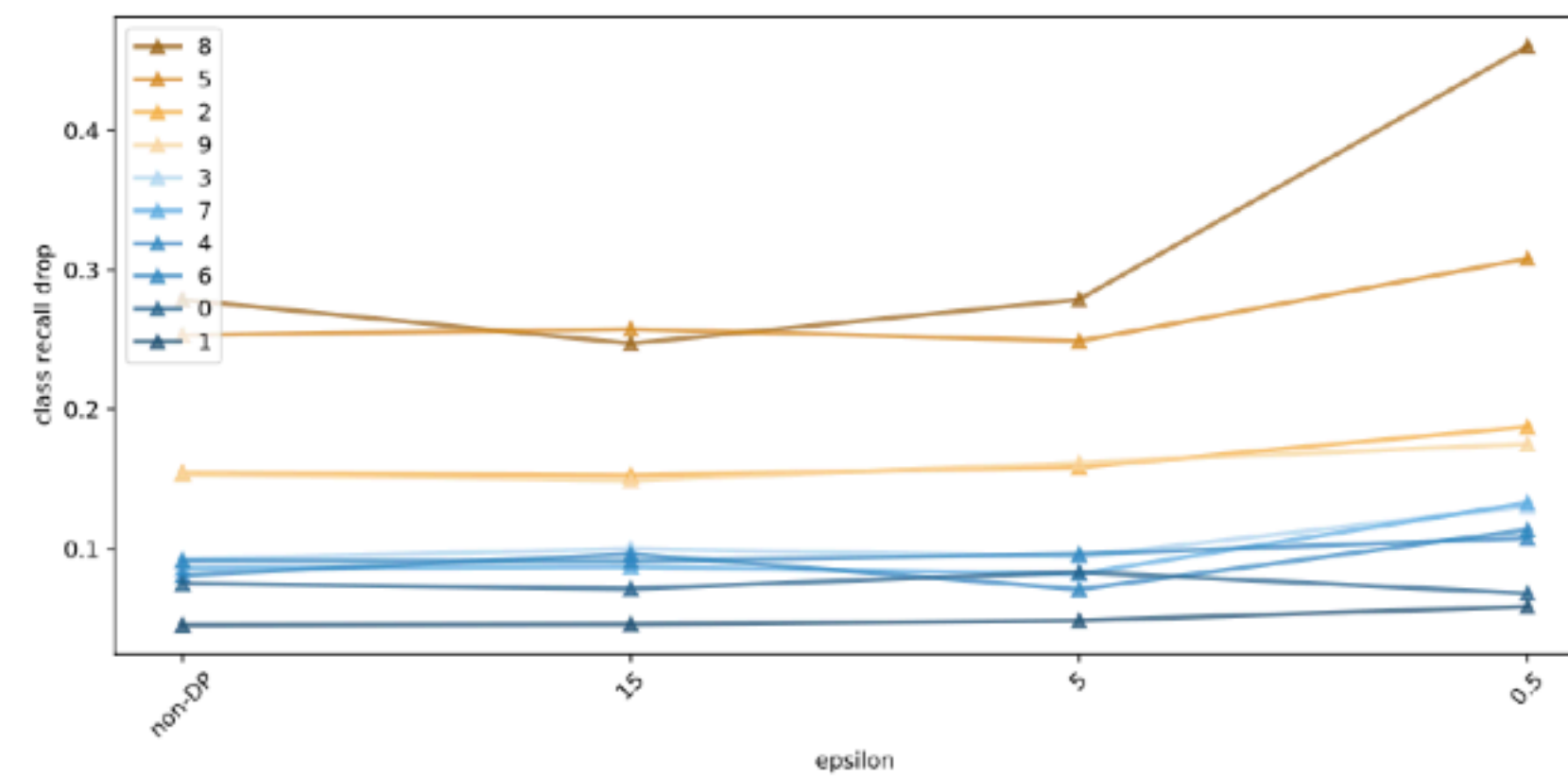


Figure 9: PATE-GAN synthetic classifier class recall drop vs ϵ , *MNIST* with 0.25 imbalance of class “8.”