

A Appendix for the ECML PKDD 2025 Paper:

Diffusion Classifier Guidance for Non-robust Classifiers

To complement the images in the main paper, we provide more images in this appendix: CelebA generations are shown in figures 1 and 2, SportBalls generations are shown in figures 3 and 4 and CelebA-HQ generations are shown in figures 5 and 6.



Fig. 1: First 256 unconditional samples for the CelebA data set.



Fig. 2: First 256 conditional samples for the class female on the CelebA data set with our guidance setup of $\hat{x}_0^{(x_t)}$ -prediction, 0.99-EMA stabilization and 150.0 guidance scale.

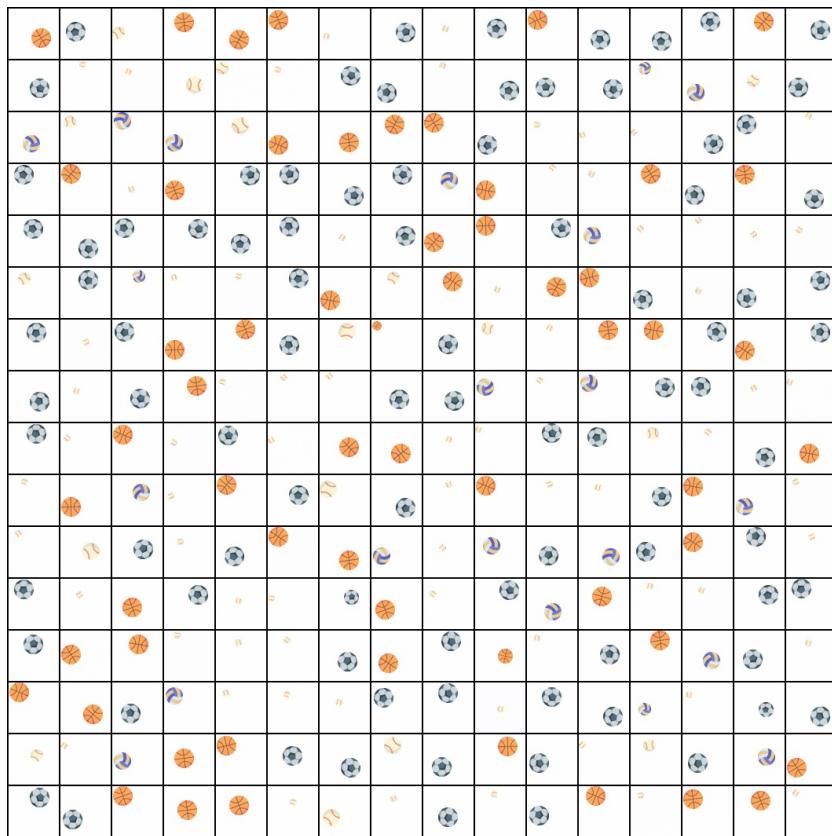


Fig. 3: First 256 unconditional samples for the SportBalls data set.

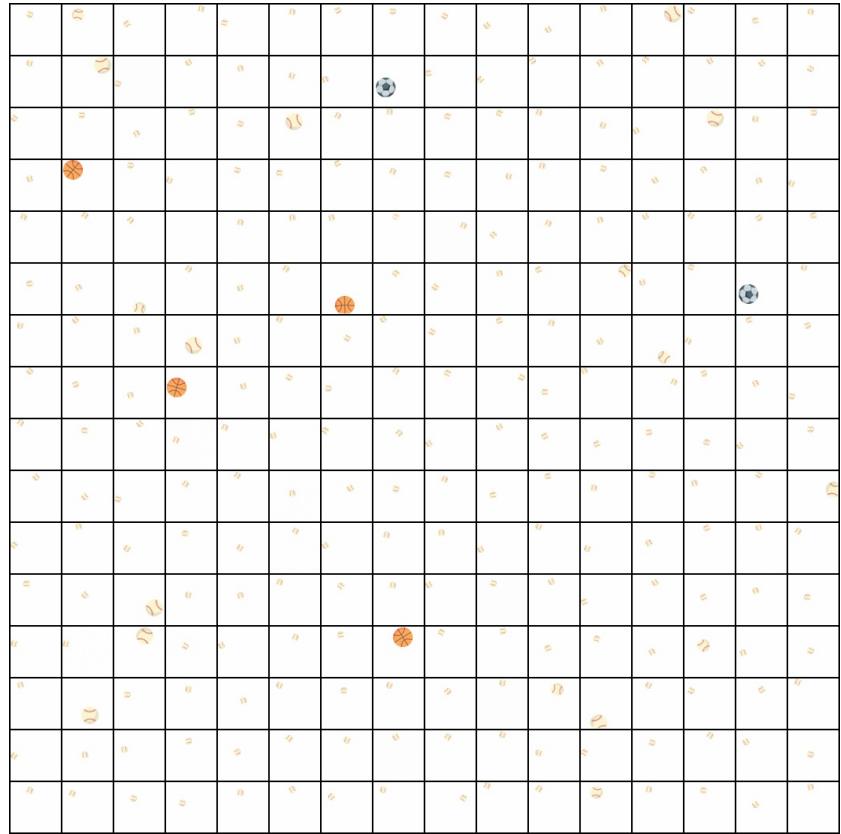


Fig. 4: First 256 conditional samples for the class baseball on the SportBalls data set with our guidance setup of $\hat{x}_0^{(x_t)}$ -prediction, 0.99-EMA stabilization and 15.0 guidance scale.

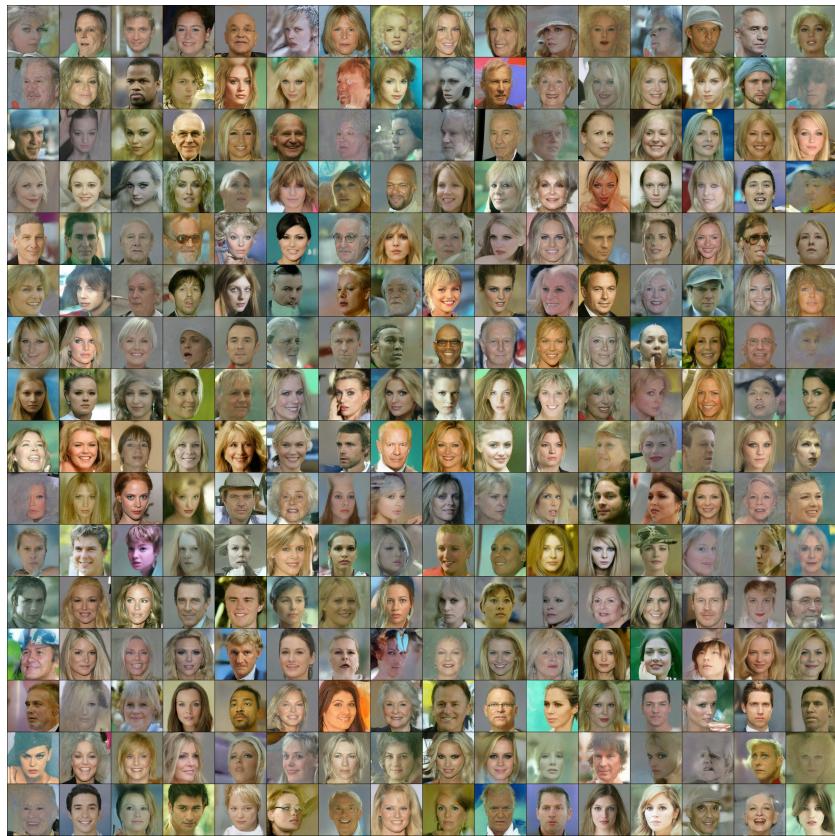


Fig. 5: First 256 unconditional samples for the CelebA-HQ data set.

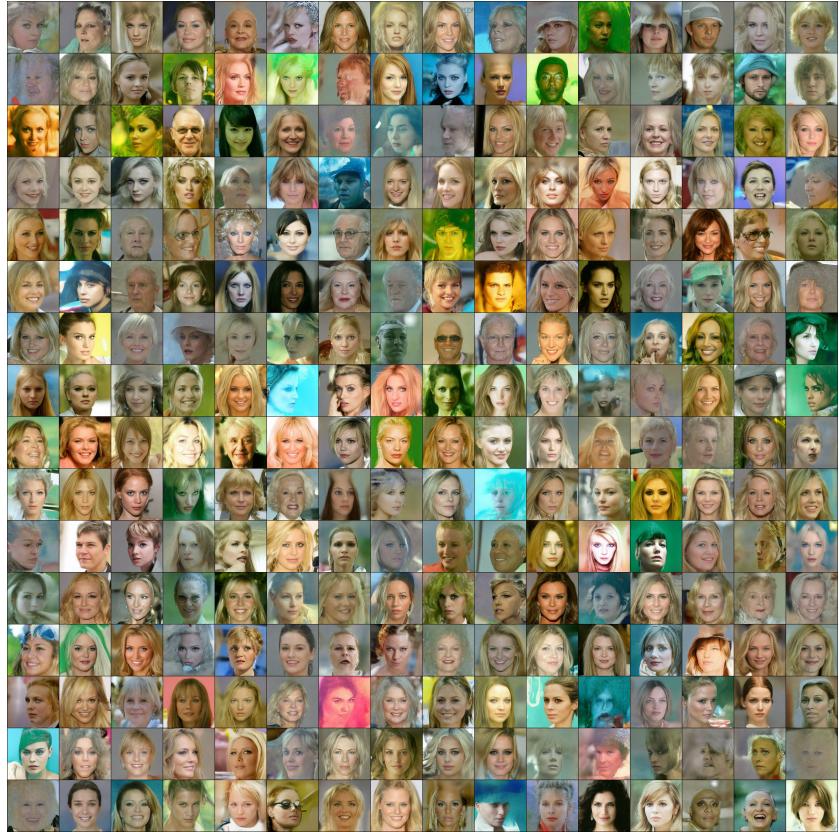


Fig. 6: First 256 conditional samples for the class female on the CelebA-HQ data set with our guidance setup of $\hat{x}_0^{(x_t)}$ -prediction, 0.99-EMA stabilization and 10.0 guidance scale.