	hyperparameter	MNIST	FashionMNIST	ORL	CFP
VAE	epoch	200	200	200	200
	learning rate	0.0001	0.0001	0.0001	0.0001
	batch size	128	128	32	32
	convolutional channels	[32,64,128]	[32,64,128]	[32,64,128]	[32,64,128]
	latent dimension	32	32	32	32
VQ-VAE	epoch	50	50	100	100
	learning rate	0.0001	0.0001	0.0001	0.0001
	batch size	64	64	32	32
	convolutional channels	[32,64,128]	[32,64,128]	[64,128,256]	[64,128,256]
	pixelcnn_n_blocks	15	15	15	15
	pixelcnn_dim	128	128	128	128
	pixelcnn_epoch	50	50	100	100
GAN	epoch	200	200	200	200
	latent dimension	100	100	100	100
	learning rate	0.0001	0.0001	0.0001	0.0001
	batch_size	64	64	32	32
	discriminator convolutional channels	[64,128,256]	[64,128,256]	[64,128,256,512]	[64,128,256,512]
	generator convolutional channels	[256, 128, 64]	[256, 128, 64]	[512, 256, 128, 64]	[512, 256, 128, 64]
PMF_GAN	epoch	100	100	100	100
	latent dimension	100	100	100	100
	learning rate	0.0002	0.0002	0.0002	0.0002
	batch_size	64	64	32	32
	discriminator convolutional channels	[64,128,256]	[64,128,256]	[64,128,256,512]	[64,128,256,512]
	generator convolutional channels	[64,128,256]	[64,128,256]	[512, 256, 128, 64]	[512, 256, 128, 64]
	distance metric	Euclidean	Euclidean	Euclidean	Euclidean
	bins	3	3	3	3
DDPM	epoch	20	20	100	100
	learning rate	0.0001	0.0001	0.0001	0.0001
	batch size	32	32	32	16
	convolutional channels	[64, 128, 192, 256]	[64, 128, 192, 256]	[64, 128, 192, 256]	[64, 128, 192, 256]
	T	1000	1000	1000	1000
	beta_1	0.0001	0.0001	0.0001	0.0001
	beta_T	0.02	0.02	0.02	0.02
PILVAE	latent dimension	8	8	48	48
	PIL0	2000	2000	2000	2000
	Gn_PIL_mean	0	0	0	0
	Gn_PIL_variance	0.001	0.001	0.1	0.1
	regularization coefficient	0.001	0.001	0.0001	0.0001
	activationFunc	prelu	prelu	prelu	prelu