Structural Similarity Index Measure (SSIM)

Dataset		INBreast		MIAS		VinDr-Mammo	
Missing Mechanism		MCAR	MNAR	MCAR	MNAR	MCAR	MNAR
Missing Rate	Inpainting Method						
5%	KNN	**0.846 ± 0.0031**	**0.9014 ± 0.0034**	**0.9606 ± 0.0014**	**0.9617 ± 0.002**	**0.9562 ± 0.0025**	**0.953 ± 0.0023**
	MAE-ViT	0.5978 ± 0.0072	0.5379 ± 0.0138	0.7655 ± 0.0076	0.6521 ± 0.0076	0.6843 ± 0.0101	0.5941 ± 0.0034
	MAE-ViT-GAN	0.7812 ± 0.0034	0.7581 ± 0.0052	0.8879 ± 0.0025	0.8494 ± 0.0112	0.8447 ± 0.0064	0.82 ± 0.0081
	MC	0.7014 ± 0.0088	0.7101 ± 0.0127	0.8737 ± 0.0044	0.8292 ± 0.0061	0.8189 ± 0.0048	0.7866 ± 0.007
	median	0.1634 ± 0.0056	0.1801 ± 0.0093	0.1058 ± 0.0045	0.0824 ± 0.013	0.1089 ± 0.0075	0.1102 ± 0.007
	VAEWL	0.2606 ± 0.0063	0.2856 ± 0.0083	0.0806 ± 0.0036	0.1273 ± 0.0044	0.1543 ± 0.0033	0.2384 ± 0.0082
10%	KNN	**0.8358 ± 0.0031**	**0.8986 ± 0.0025**	**0.9531 ± 0.0021**	**0.959 ± 0.0025**	**0.9514 ± 0.0024**	**0.9507 ± 0.0026**
	MAE-ViT	0.59 ± 0.0095	0.5407 ± 0.0097	0.7317 ± 0.0098	0.6557 ± 0.0087	0.651 ± 0.0108	0.5815 ± 0.0031
	MAE-ViT-GAN	0.7722 ± 0.0075	0.7625 ± 0.0066	0.8734 ± 0.0043	0.844 ± 0.0077	0.8281 ± 0.0047	0.8176 ± 0.006
	MC	0.6867 ± 0.009	0.7059 ± 0.0083	0.8475 ± 0.0033	0.8191 ± 0.0052	0.8025 ± 0.0058	0.7862 ± 0.0074
	median	0.1748 ± 0.0076	0.1827 ± 0.0087	0.1053 ± 0.0056	0.0792 ± 0.0169	0.1175 ± 0.0062	0.1131 ± 0.0072
	VAEWL	0.2831 ± 0.0078	0.2908 ± 0.0069	0.1143 ± 0.0072	0.1394 ± 0.0053	0.2009 ± 0.0035	0.2747 ± 0.0091
20%	KNN	**0.8108 ± 0.0031**	**0.8871 ± 0.0014**	**0.9323 ± 0.0029**	**0.9489 ± 0.0028**	**0.9338 ± 0.0032**	**0.9436 ± 0.0024**
	MAE-ViT	0.5723 ± 0.0054	0.5328 ± 0.0047	0.6692 ± 0.0083	0.6253 ± 0.0095	0.6154 ± 0.0082	0.5766 ± 0.0062
	MAE-ViT-GAN	0.7499 ± 0.0059	0.7476 ± 0.0041	0.8242 ± 0.0076	0.8165 ± 0.0124	0.7952 ± 0.0046	0.8043 ± 0.005
	MC	0.659 ± 0.0081	0.6919 ± 0.011	0.7905 ± 0.0033	0.7884 ± 0.0035	0.7628 ± 0.0066	0.7799 ± 0.0076
	median	0.2291 ± 0.0055	0.1911 ± 0.0084	0.1394 ± 0.0054	0.0936 ± 0.0153	0.1406 ± 0.0056	0.1293 ± 0.0062
	VAEWL	0.3662 ± 0.0071	0.3202 ± 0.0084	0.212 ± 0.008	0.1927 ± 0.011	0.2885 ± 0.003	0.3434 ± 0.0091
30%	KNN	**0.7906 ± 0.0035**	**0.8718 ± 0.0029**	**0.9098 ± 0.0031**	**0.9351 ± 0.0027**	**0.9139 ± 0.0045**	**0.9322 ± 0.003**
	MAE-ViT	0.5802 ± 0.0073	0.528 ± 0.0078	0.6438 ± 0.0055	0.6117 ± 0.005	0.6116 ± 0.0082	0.58 ± 0.0065
	MAE-ViT-GAN	0.7356 ± 0.003	0.7355 ± 0.0063	0.791 ± 0.0095	0.7982 ± 0.0097	0.7753 ± 0.007	0.7917 ± 0.0063
	MC	0.6493 ± 0.0069	0.6754 ± 0.011	0.7625 ± 0.0043	0.7614 ± 0.0047	0.7374 ± 0.0066	0.7652 ± 0.0075
	median	0.288 ± 0.0057	0.2142 ± 0.0094	0.1911 ± 0.0051	0.1273 ± 0.0133	0.1711 ± 0.0057	0.146 ± 0.0054
	VAEWL	0.4364 ± 0.0063	0.3639 ± 0.0078	0.2885 ± 0.0088	0.2547 ± 0.0117	0.3508 ± 0.0033	0.3916 ± 0.0089
40%	KNN	**0.7714 ± 0.0038**	**0.8571 ± 0.0025**	**0.8852 ± 0.0031**	**0.9204 ± 0.0029**	**0.892 ± 0.0053**	**0.9188 ± 0.0038**
	MAE-ViT	0.5925 ± 0.0042	0.5355 ± 0.0069	0.647 ± 0.0036	0.6038 ± 0.003	0.6183 ± 0.007	0.5914 ± 0.0068
	MAE-ViT-GAN	0.7244 ± 0.005	0.7207 ± 0.0082	0.7728 ± 0.0048	0.7791 ± 0.0074	0.7615 ± 0.0091	0.7792 ± 0.0051
	MC	0.6484 ± 0.0058	0.6666 ± 0.0097	0.7499 ± 0.0048	0.7447 ± 0.0052	0.7228 ± 0.0067	0.7517 ± 0.0087
	median	0.3359 ± 0.0066	0.2432 ± 0.0091	0.2369 ± 0.006	0.1643 ± 0.0106	0.2007 ± 0.0056	0.1645 ± 0.0056
	VAEWL	0.4902 ± 0.0053	0.4065 ± 0.0074	0.3467 ± 0.0088	0.3091 ± 0.0123	0.3977 ± 0.0042	0.4306 ± 0.0086
50%	KNN	**0.7503 ± 0.0039**	**0.8412 ± 0.0028**	**0.8557 ± 0.0041**	**0.9036 ± 0.0031**	**0.8651 ± 0.0061**	**0.9036 ± 0.0043**
	MAE-ViT	0.6096 ± 0.0045	0.5422 ± 0.0074	0.6499 ± 0.006	0.6104 ± 0.0073	0.6298 ± 0.0082	0.5995 ± 0.0051
	MAE-ViT-GAN	0.7214 ± 0.0025	0.7181 ± 0.0034	0.7566 ± 0.008	0.7628 ± 0.0031	0.754 ± 0.0069	0.7709 ± 0.0052
	MC	0.6485 ± 0.0054	0.6615 ± 0.0089	0.7438 ± 0.005	0.7366 ± 0.0057	0.7129 ± 0.0067	0.741 ± 0.0082
	median	0.375 ± 0.0076	0.273 ± 0.0095	0.2762 ± 0.0063	0.2005 ± 0.0092	0.2272 ± 0.0052	0.1837 ± 0.0057
	VAEWL	0.5331 ± 0.0051	0.4432 ± 0.0066	0.393 ± 0.0087	0.354 ± 0.0119	0.4341 ± 0.0048	0.4626 ± 0.0081