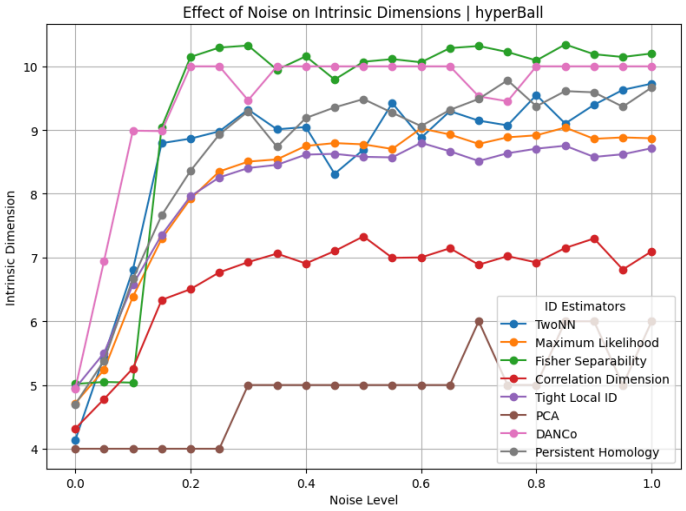
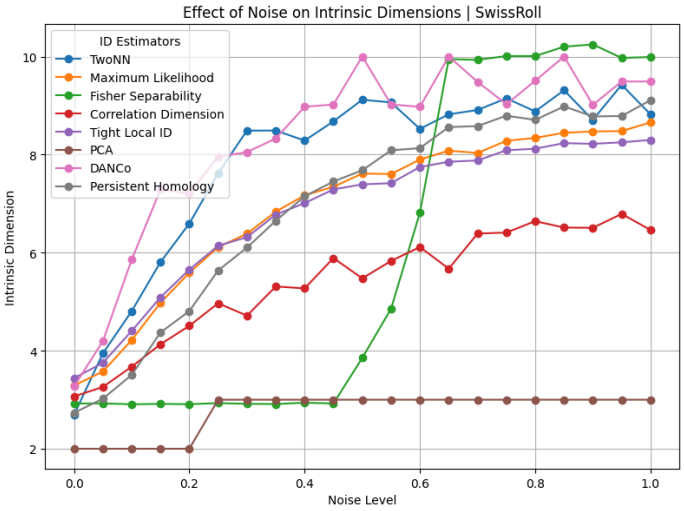
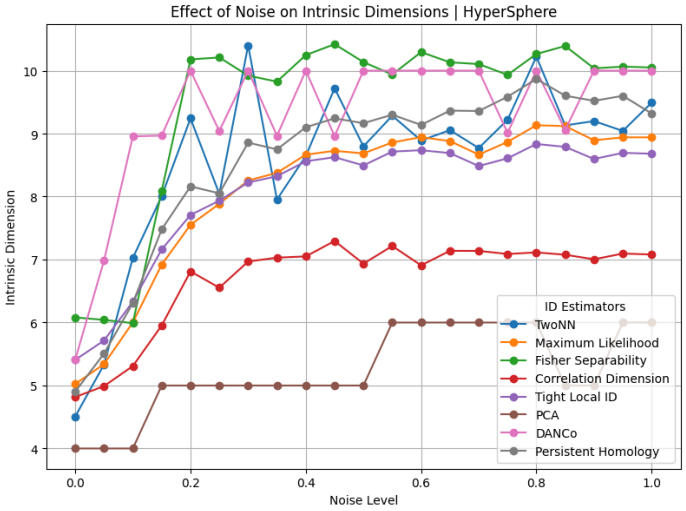
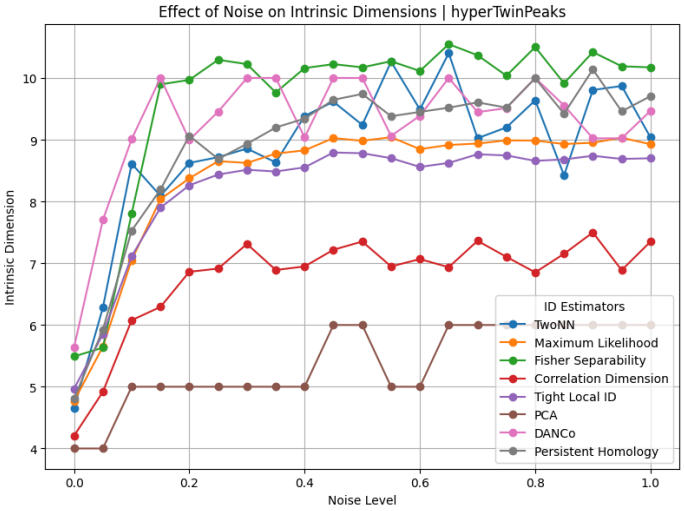
Effect of Noise on Intrinsic Dimensions

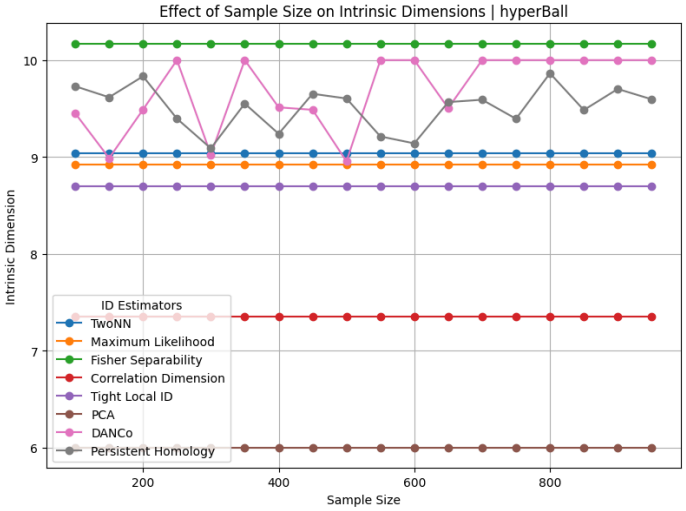


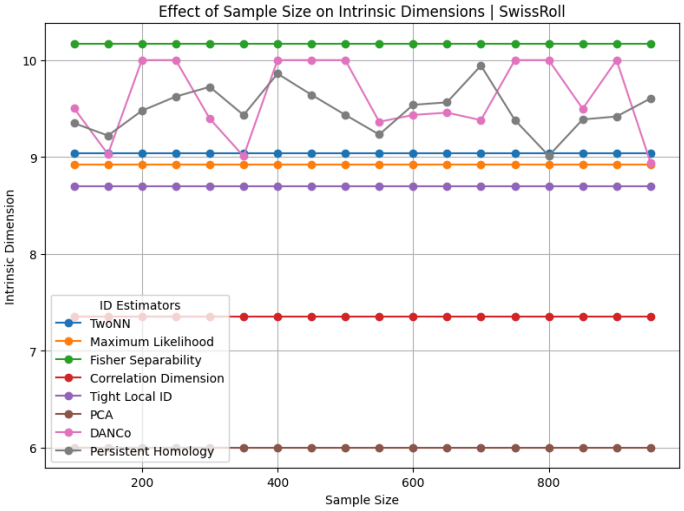


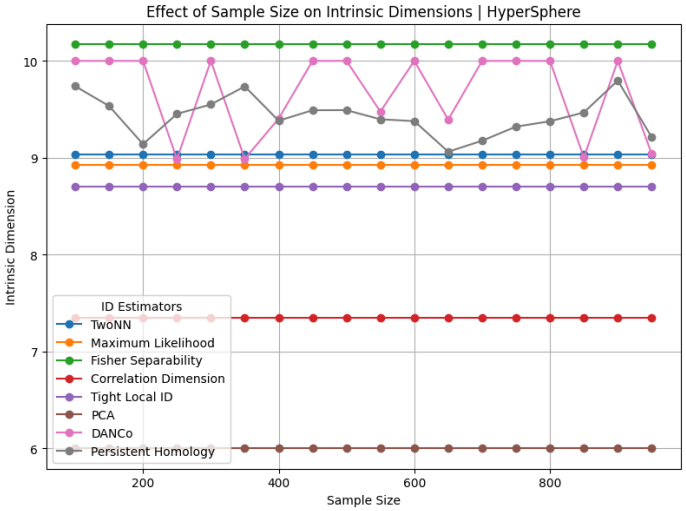


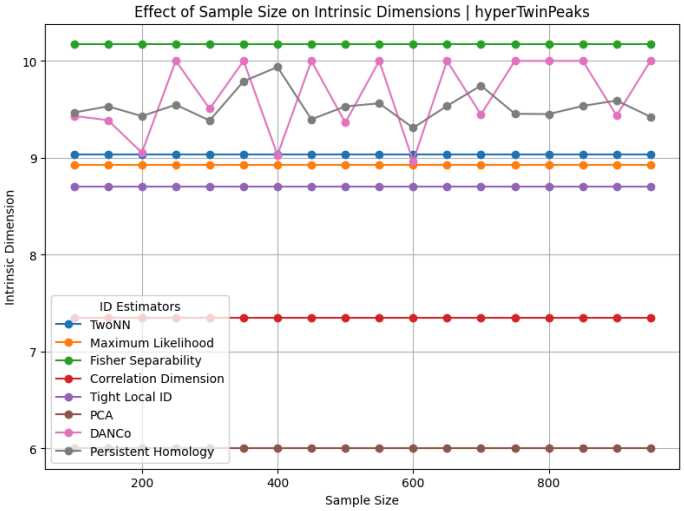


Effect of Sample Size on Intrinsic Dimensions



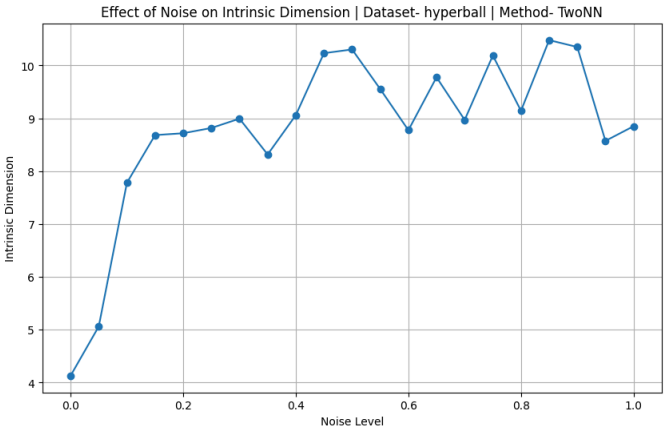


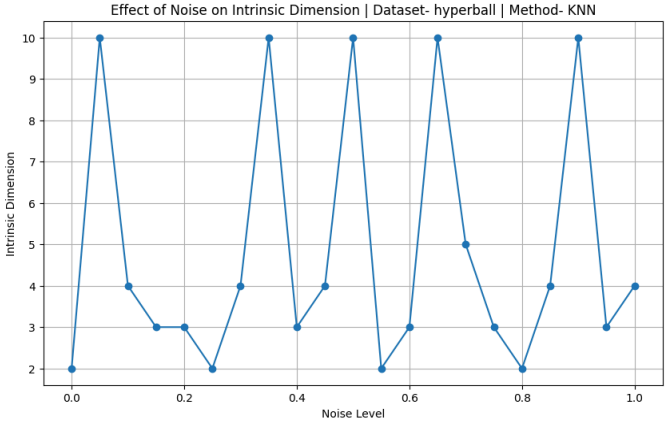


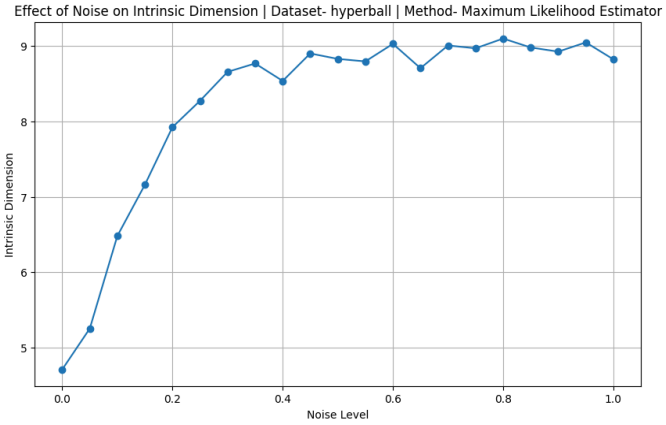


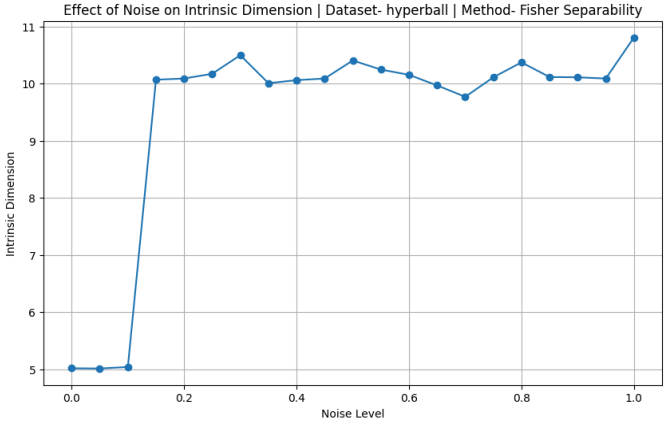
Comparative Plots of Different Methods | Effect of Noise on ID

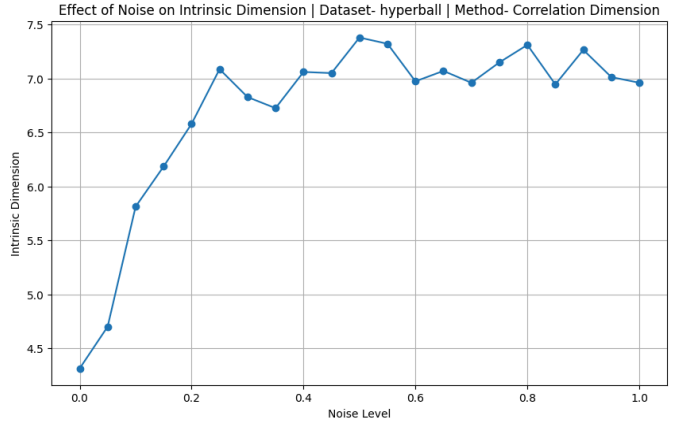
Dataset- HyperBall

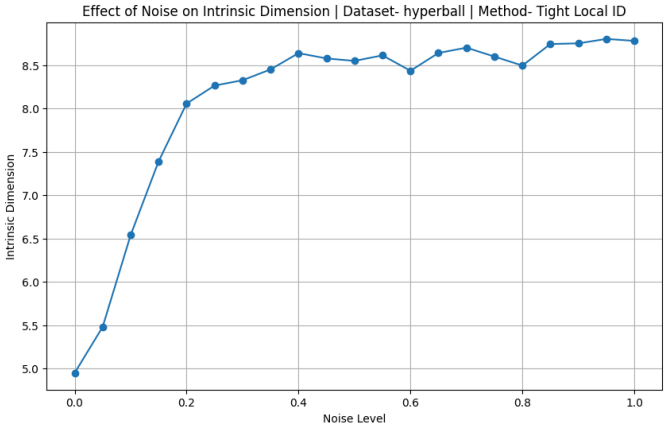


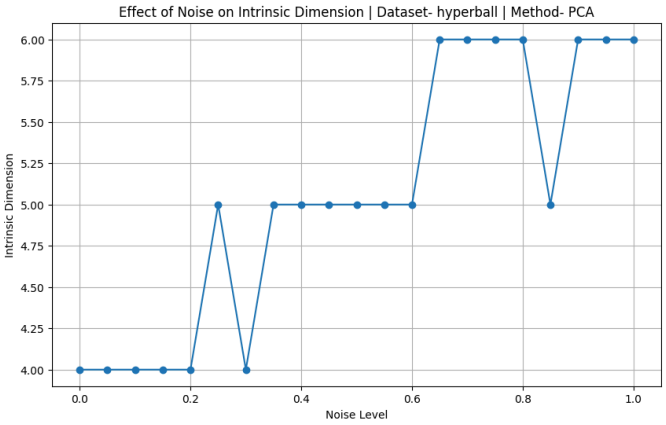


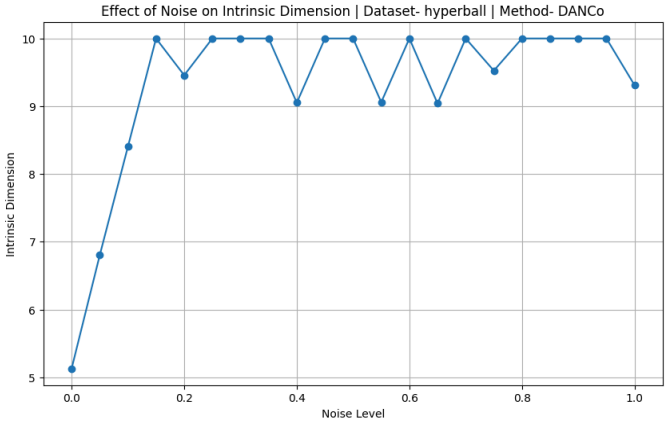




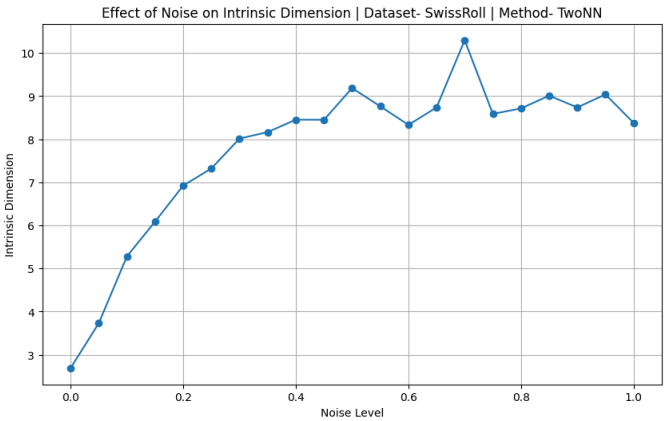


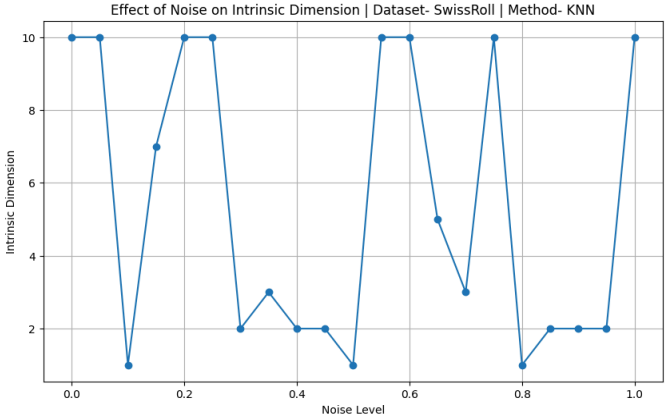


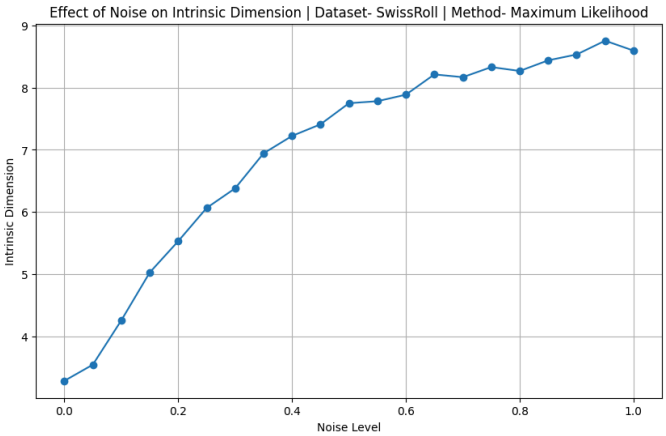


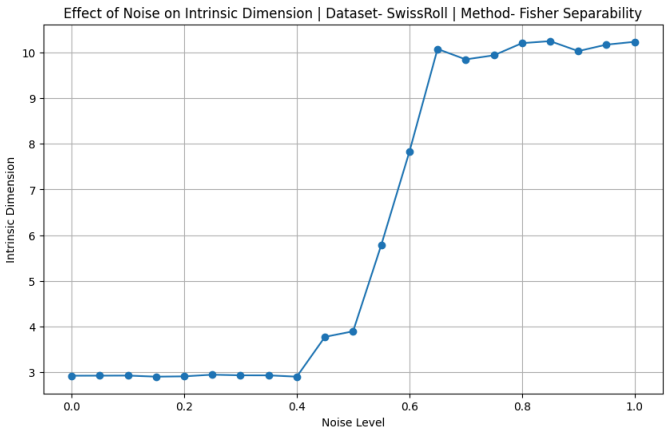


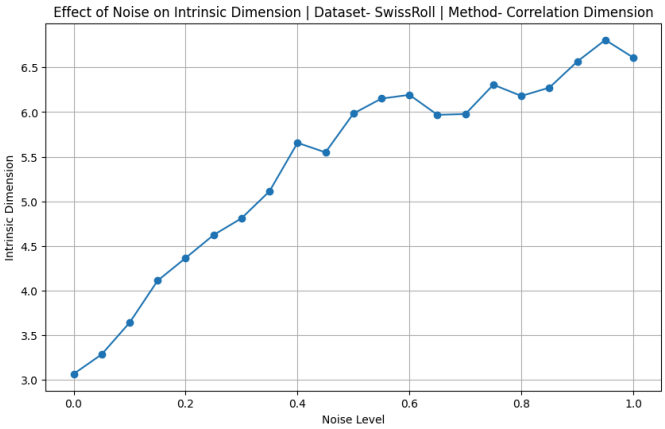
Dataset- SwissRoll

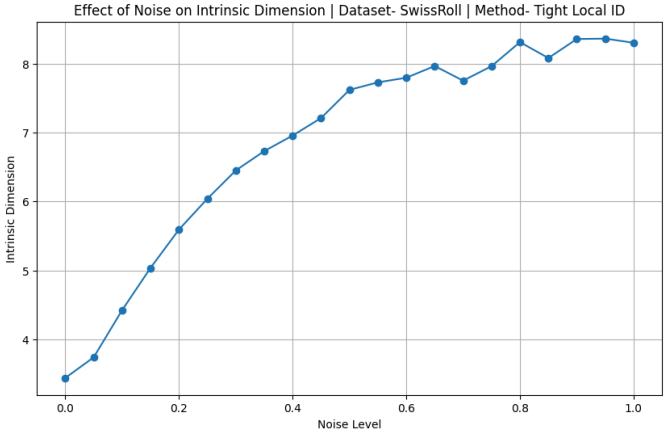


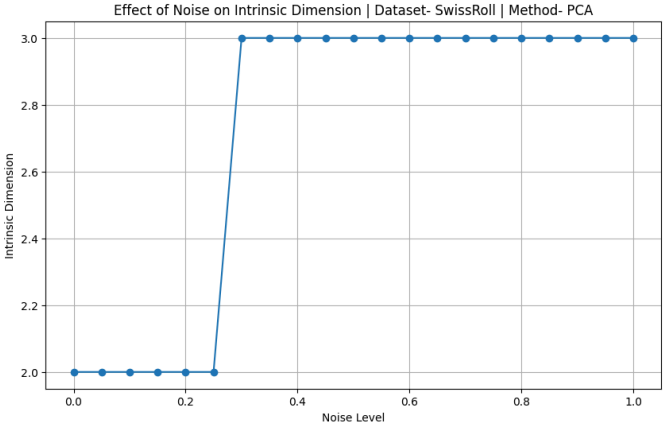


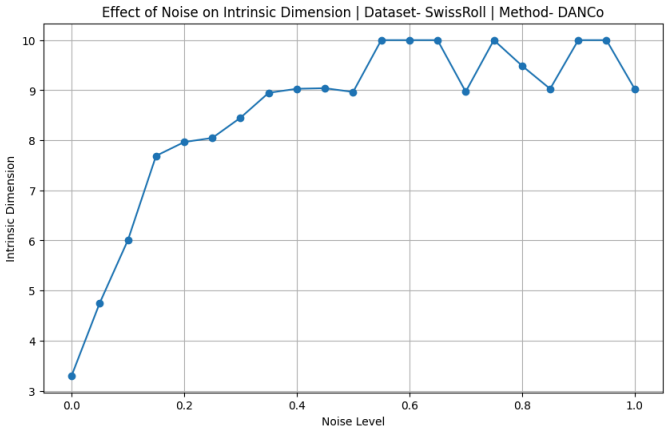




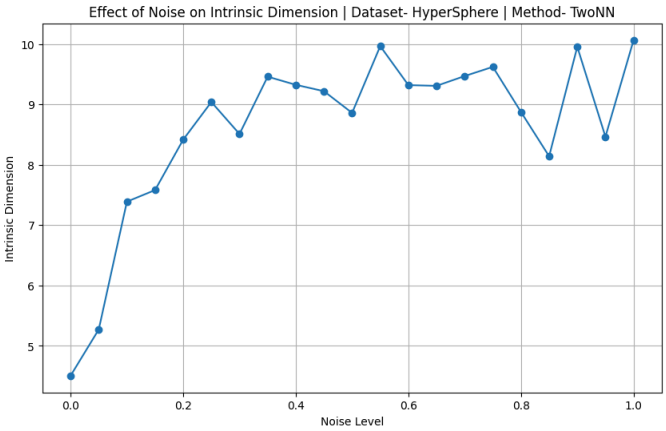


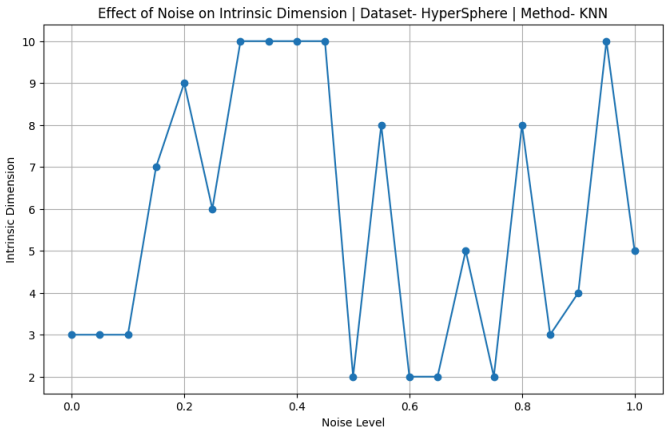


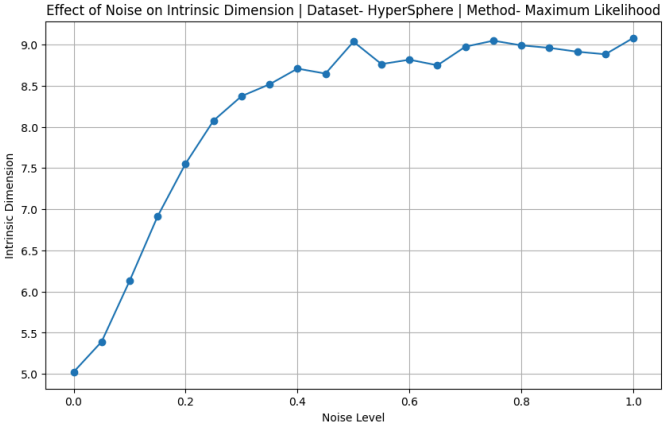


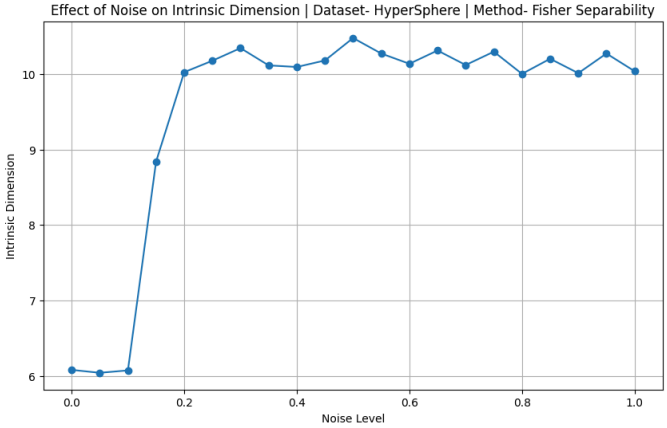


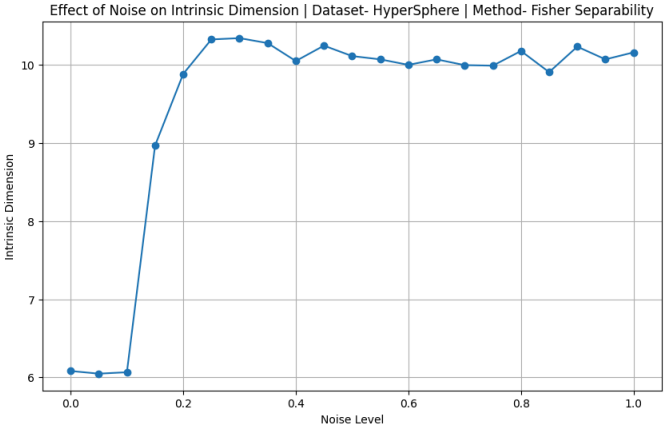
Dataset- HyperSphere

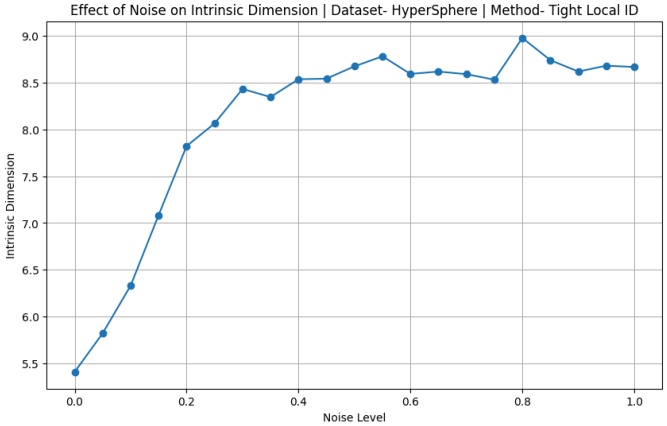


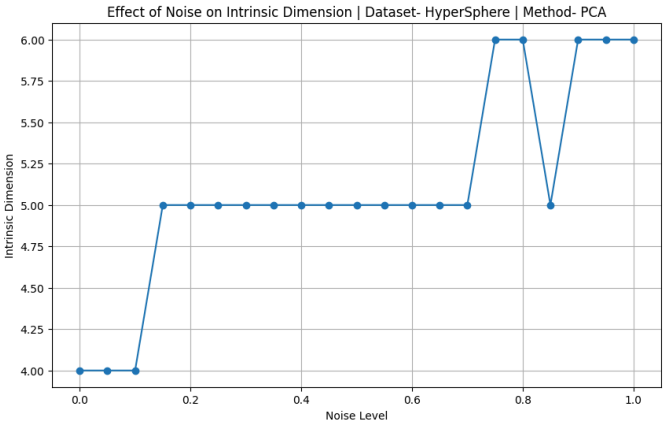


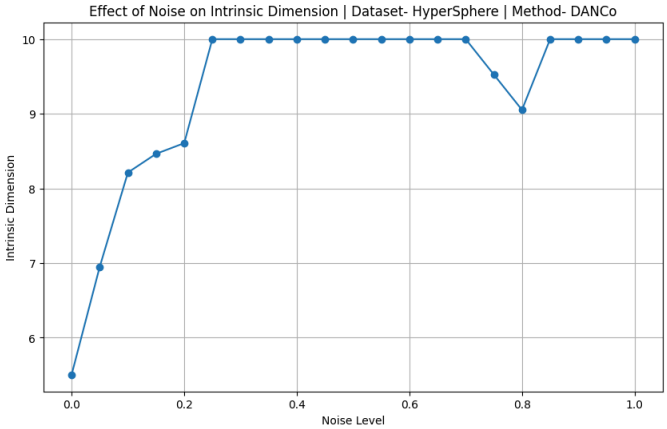

Effect of Noise on Intrinsic Dimension | Dataset- HyperSphere | Method- Maximum Likelihood
Intrinsic Dimension
Noise Level


Effect of Noise on Intrinsic Dimension | Dataset- HyperSphere | Method- Fisher Separability
Intrinsic Dimension
Noise Level

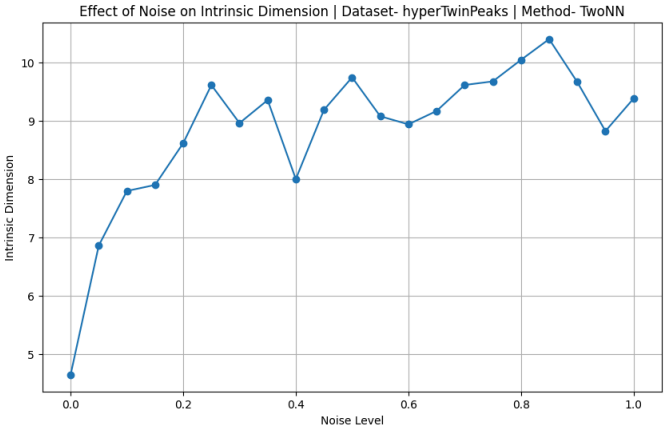

Effect of Noise on Intrinsic Dimension | Dataset- HyperSphere | Method- Fisher Separability
Intrinsic Dimension
Noise Level

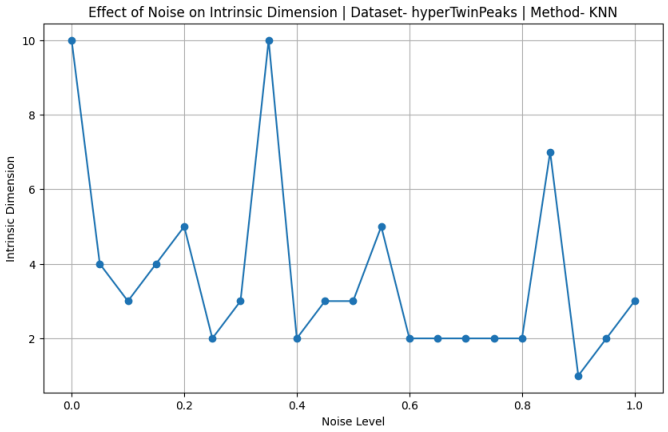

Effect of Noise on Intrinsic Dimension | Dataset- HyperSphere | Method- Tight Local ID
Intrinsic Dimension
Noise Level

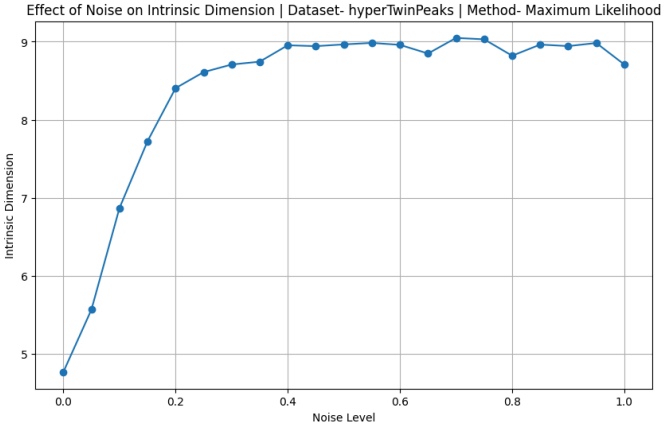

Effect of Noise on Intrinsic Dimension | Dataset- HyperSphere | Method- PCA
Intrinsic Dimension
Noise Level

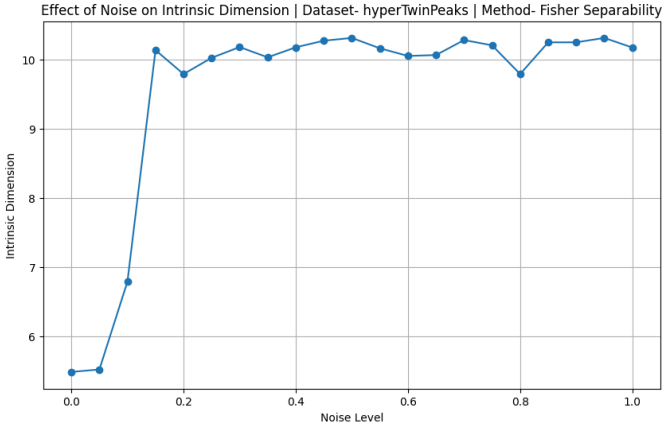

Effect of Noise on Intrinsic Dimension | Dataset- HyperSphere | Method- DANCo
Intrinsic Dimension
Noise Level

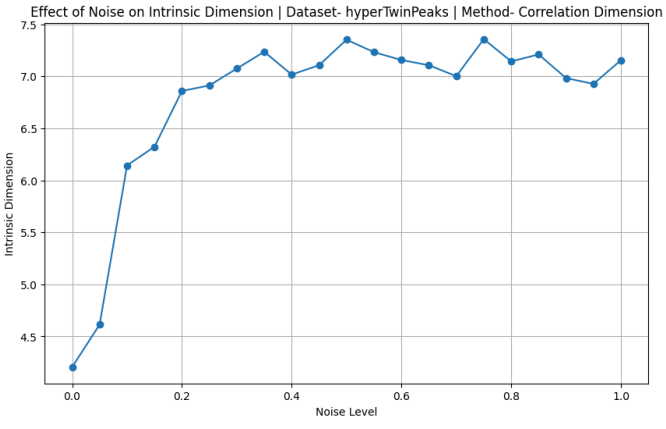
Dataset- HyperTwinPeaks

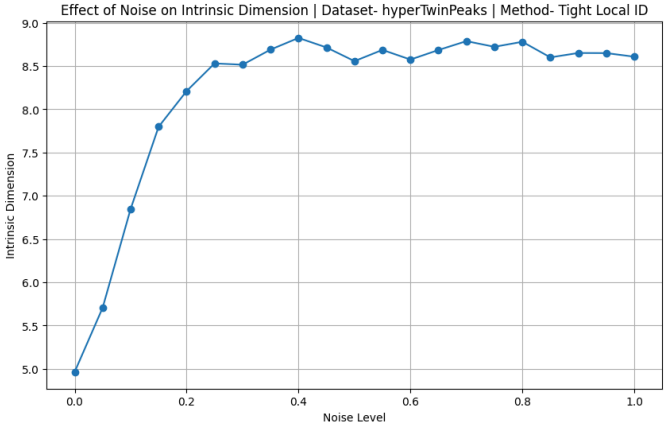


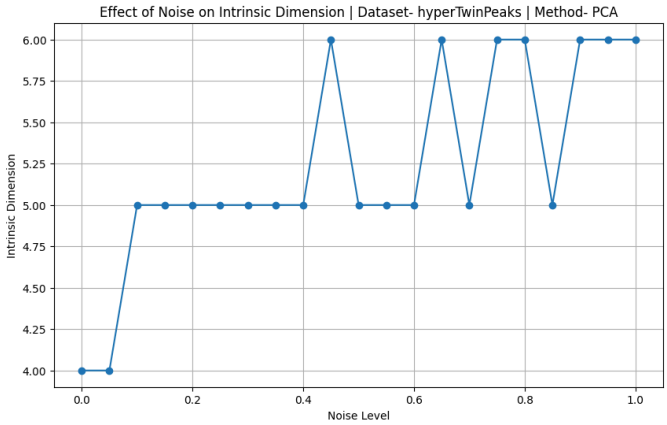


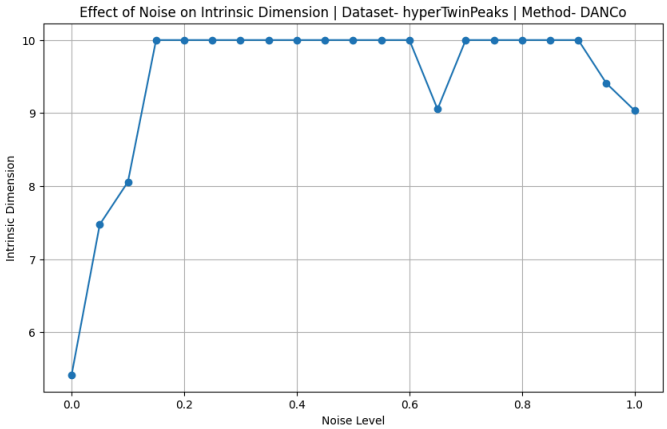









Effect of Noise on Intrinsic Dimension | Dataset- hyperTwinPeaks | Method- PCA
Intrinsic Dimension
Noise Level
6.00
5.75
5.50
5.25
5.00
4.75
4.50
4.25
4.00
0.0
0.2
0.4
0.6
0.8
1.0


Effect of Noise on Intrinsic Dimension | Dataset- hyperTwinPeaks | Method- DANCo
Intrinsic Dimension
Noise Level
10
9
8
7
6
0.0
0.2
0.4
0.6
0.8
1.0