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Course: CS661A: Big Data Visual Analytics

Assignment 4

Method	Linear		Nearest Neighbour	
Sampling %	Time (s)	SNR	Time (s)	SNR
1	12.7	38.1775	29.8	33.9118
3	169.7	39.7044	33.6	35.1631
5	425.3	40.6475	34.6	35.7845

The following conclusions may be drawn from these results:

- As the sample % grows, so does the time needed for both methods and SNR.
- The linear technique often takes longer than the closest method for larger sample percentages.
- The linear technique produces data with a greater Signal-to-Noise Ratio than the closest method at the same sample %.