Histograms of Uncorrelated vs Correlated Distances 0.5 **Uncorrelated Data Uncorrelated Data Correlated Data Correlated Data** 9.0 0.4 0.3 Density Mean Mean SD SD $\overline{ar{r}}_{\sf abs} = 0.2622$ $ar{r}_{\sf abs} = 0.0048$ 0.1 0.1 5 15 25 5 15 20 0 10 20 30 35 0 10 25 30 35 **Euclidean Distance Euclidean Distance** 0.5 **Uncorrelated Data Uncorrelated Data Correlated Data Correlated Data** Density Mean Mean SD SD 0.2 $ar{r}_{\mathsf{abs}} = \overline{0.4575}$ $ar{r}_{\mathsf{abs}} = \overline{0.6124}$ 0.1 0.1 0.0 0.0 5 15 20 10 15 20 25 30 35 0 5 10 25 30 35 **Euclidean Distance Euclidean Distance**