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