Subset of  $\mathbb{R}^d$ ; (d:100000), k=1.00e+09, Varying F and N Low Rep. Dims. 1e-8 F=1 5 -F=11 F=21 0.014 - F=31 4 -F=41 Occam Risk Bound 0.012 0.010 1 0 0.8 1.0 1e27 0.2 0.4 0.6 0.0 0.008 Risk Bound No. Samples (N) 1e-6 4.0 3.5 0.006 3.0 2.5 2.0 0.004 1.5 1.0 0.5 0.002 0.0 0.8 0.0 0.2 0.4 0.6 1.0 1e27 0.000 1.0 1e27 0.0 0.2 0.4 0.6 8.0 No. Samples (N)