Subset of \mathbb{R}^d ; (d:100), k=1.00e+05, Varying F and N Large Rep. Dims. F=1 F=9901 F=19801 F=29701 F=39601 F=49501 500 -Risk Bound 450 -F=59401 F=69301 F=79201 F=89101 F=99001 400 600 Risk Bound No. Samples (N) No. Samples (N)