Subset of \mathbb{R}^d , k=9.77e+06, Varying F and N Large Rep. Dim. F=1 175 F=1001 F=2001 F=3001 170 · F=4001 150 169 -F=5001 F=6001 168 -F=7001 F=8001 풄 167 -F=9001 125 166 · Hoeffding 165 -164 **-**100 163 Risk Bound 0.0 0.6 8.0 1.0 1e16 No. Samples (N) 175 75 150 125 100 50 75 50 25 25 0 0.0 0.2 0.4 0.6 0.8 1.0 1e16 0 1.0 1e16 0.2 0.0 0.4 0.6 8.0 No. Samples (N)