

Spherical PCA Make a cookat the dides (5/2 20: Summary) 21 Experiment 7 (code; 8 yuttic N: # at points late) D: dim. at points d: target dimension (des) Sigma: noise 5td dist. dist. between estimated and true subspaces ; i.e., the cut put

For sisma: 0, 0.1,02, _, 1 repeat the following experiments 2.1) Fix d=1, and vary () from (0 to 104 | uniform on 100 scale, (0pt) - i.e. (0', [[0,3], [(0,5],-104 N = 104 w(N=105 2.21 (C)ent (1) d=10, and 0 fram 1020 69

23) Fix D= 100, d= (0) for N = (0,1013, -,104 (Opts) 3.4) repeat (3) w/ D = 1000, d=100 N^{2} $(0^{2}, (0^{2})^{3}, -, (0^{5})^{5}$ 3. Experiment 2 (code: 31) reconstruction error) Fix NZ (05, ()= (00 Vary d: 10°, 10°, --, 10,---,10-1

N=(0", ()=(0+1 3.2. Jany d= 1,2,3, -- , 9,10 BTW. charge signa for all at these. 31, 32 - report emor 2's _ o report dist Run EACH Experiment 100 times and some 120 the results I SAVE Moise W in experiment 2