Assignment 1

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Exercise 1

Exercise 1.a - 1.b

k=2

(1) Optimal value of p1, p2:

p1	p2
5	3

(2) Learned parameter values :

$par{1,1}$	$par{1,2}$	$par{1,3}$
2.2063e- 03	-2.6949e-03	-5.9515e-04
9.2173e-01	-1.3581e-03	-1.7107e-04
6.5735 e-03	-1.1538e-02	9.9971e-01
-1.6266e-03	4.7304e-01	8.3936e-04
-9.9158e-04	2.4454e-04	1.2687e-04
2.4849 e - 03	-8.2673e-03	1.7827e-03
2.3136e-03	7.4693e-05	-1.4105e-04
-1.1665e-05	4.3810e-05	-4.5223e-06
-1.3006e-02	1.6437e-02	-6.2224e-04
1.2268e-04	-9.7700e-04	-1.3221e-05
1.2836 e-05	-5.2889e-06	
-4.4566e-03	4.2985e-03	
-4.3099e-05	-4.4187e-06	
1.6696 e - 06	-2.6911e-07	
2.5977e-03	-3.8127e-03	
-4.0239e-07	2.1016e-06	

k=5

(1) Optimal value of p1, p2:

p1	p2
4	1

(2) Learned parameter values :

$par{1,1}$	$par{1,2}$	$par{1,3}$
2.5044 e-03	-4.3238e-03	8.0784e-04
9.1976e-01	-1.0015e-03	-3.1902e-04
-2.8554e-03	1.4480e-03	9.9870e-01
-7.4385e-04	4.6798e-01	3.2142e-04
-1.0342e-03	5.6850e-04	
1.3743 e-03	-2.5277e-03	
2.4869 e - 03	-1.0251e-03	
1.3601e-04	1.9246e-05	
-2.6908e-04	-1.6742e-03	
6.6926 e - 05	-6.7254e-04	
1.3061e-05	-7.8462e-06	
-4.2816e-03	3.4766e-03	
-4.5174e-05	8.7155e-06	

Exercise 1.c

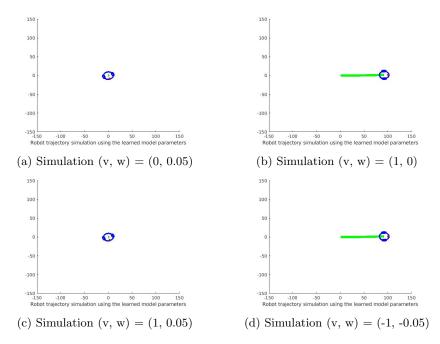


Figure 1: Put your caption here

Exercise 2

Exercise 3