

1.

A=

1.000000	-1.000000	3.000000	6.000000
2.000000	0.000000	2.000000	1.000000
3.000000	-2.000000	1.000000	4.000000
-2.000000	1.000000	-1.000000	-1.000000
1.000000	3.000000	6.000000	5.000000
0.000000	-1.000000	-2.000000	5.000000

X=

2.000000
5.000000
0.000000
-3.000000

n=

1.000000
-1.000000
-1.000000
1.000000
1.000000
-1.000000

b=

-20.000000
0.000000
-17.000000
5.000000
3.000000
-21.000000

(a)

xhat_a = 1.082234	norm_a = 1.194658
4.507807	
0.584127	
-3.038144	

(b)

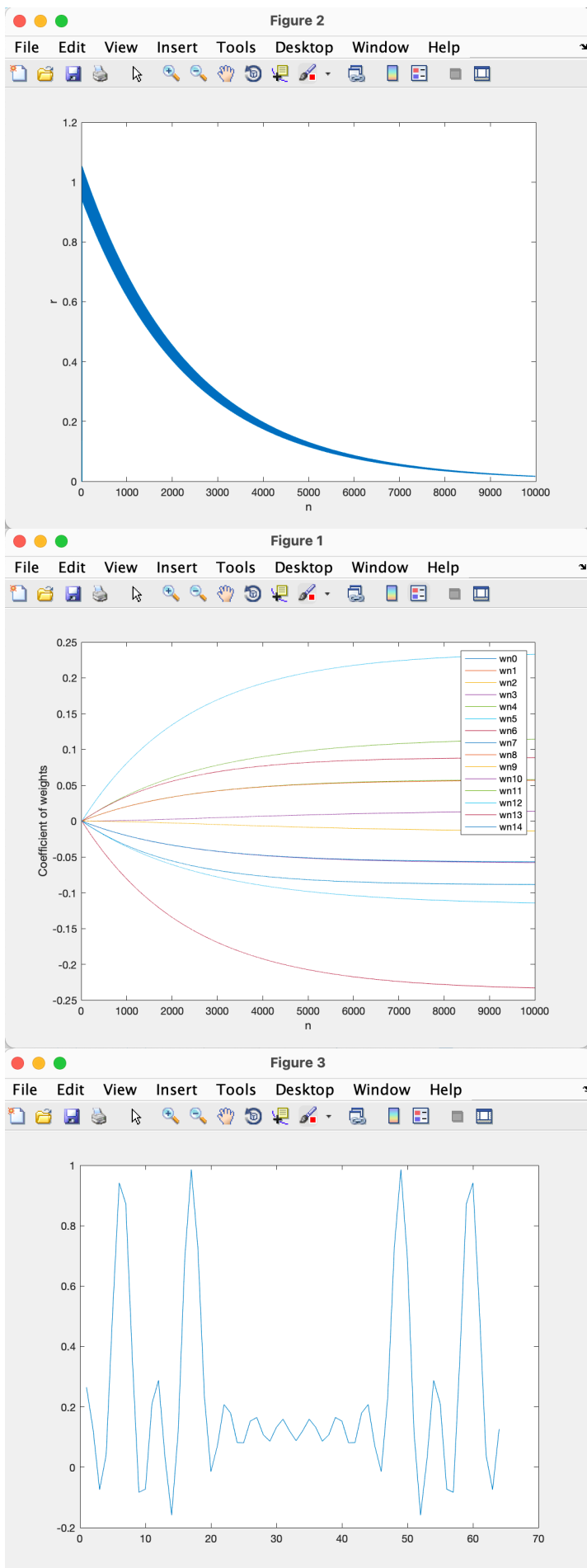
xhat_b = 1.082234	norm_b = 1.194658
4.507807	
0.584127	
-3.038144	

(c) givens

xhat_givens = 1.266667	norm_givens = 0.783156
4.866667	
0.133333	
-2.800000	

2.

Step size = 10^{-4}



Step size = 10^{-2}

