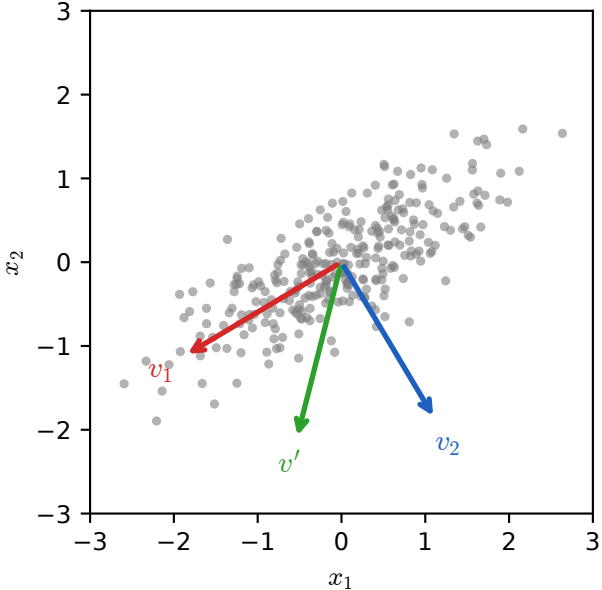
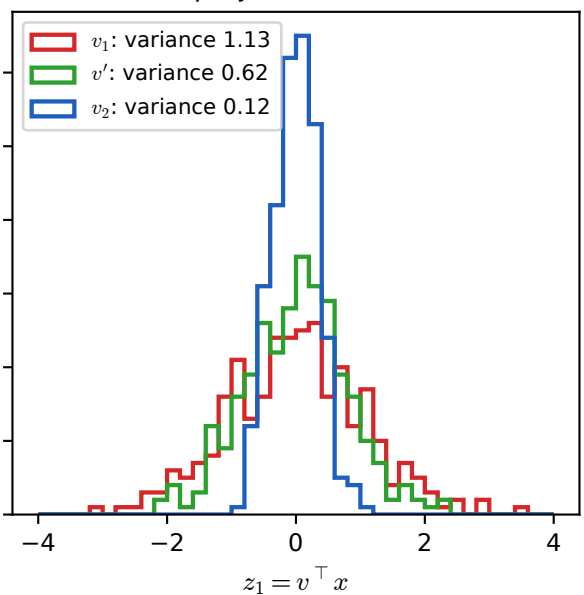

3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
x_2
x_1
v_1
v'
v_2


projected data
v_1: variance 1.13
v': variance 0.62
v_2: variance 0.12
60
50
40
30
20
10
0
−4
−2
0
2
4
$z_1 = v^\top x$