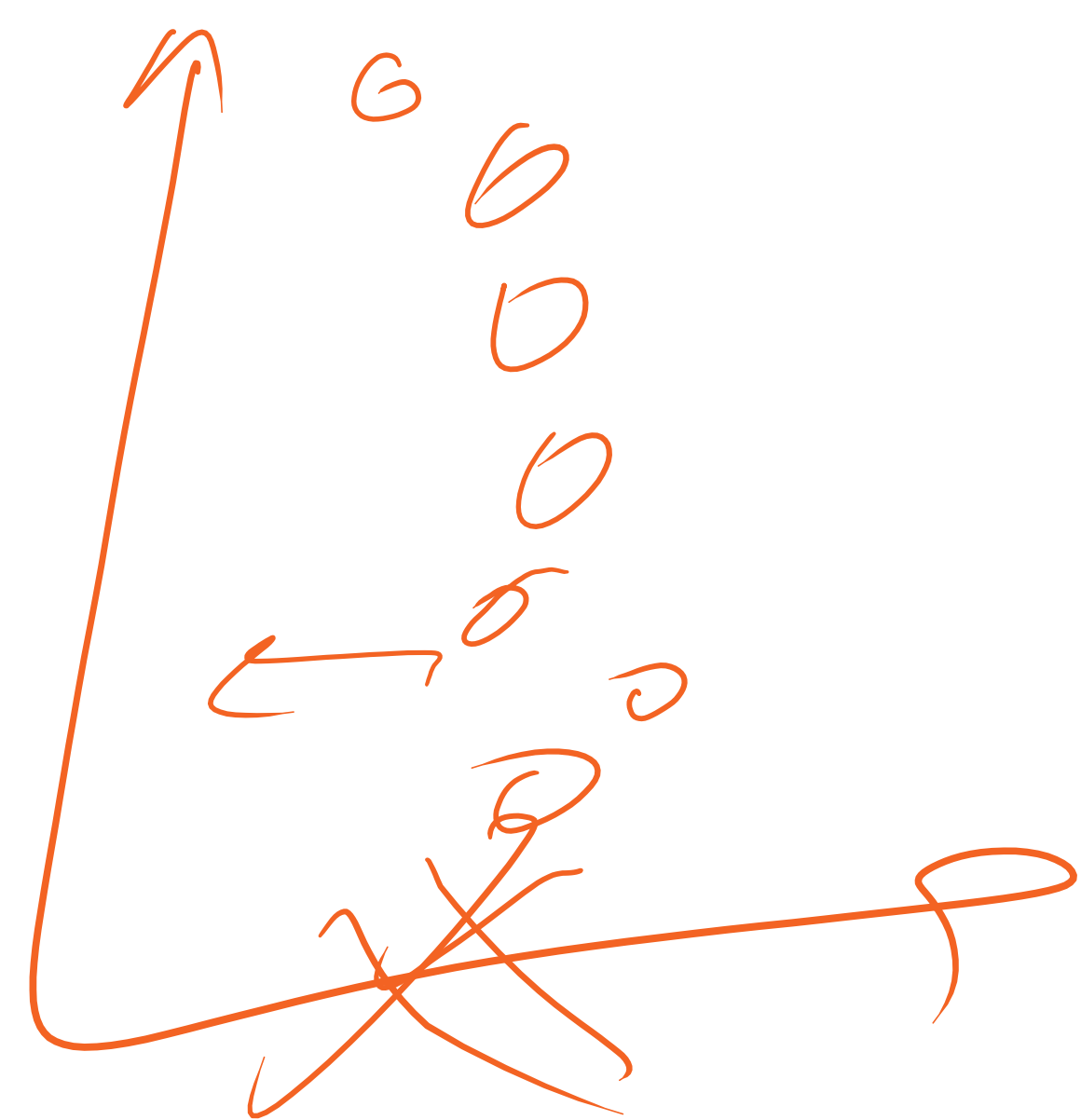
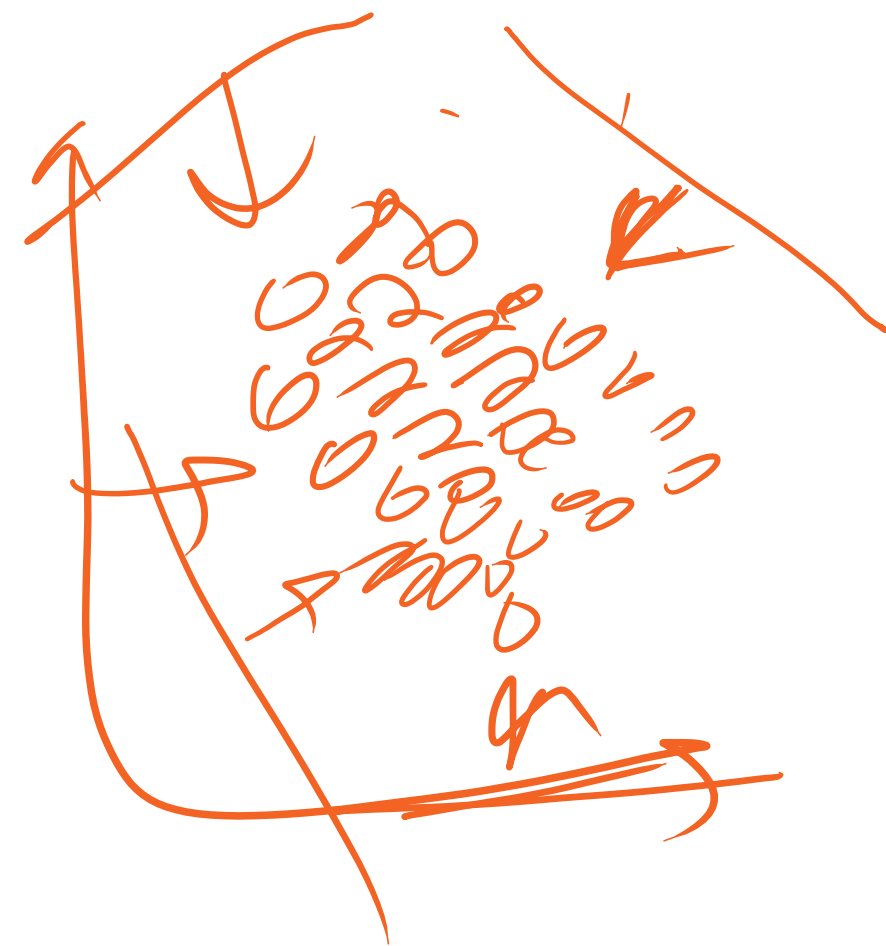
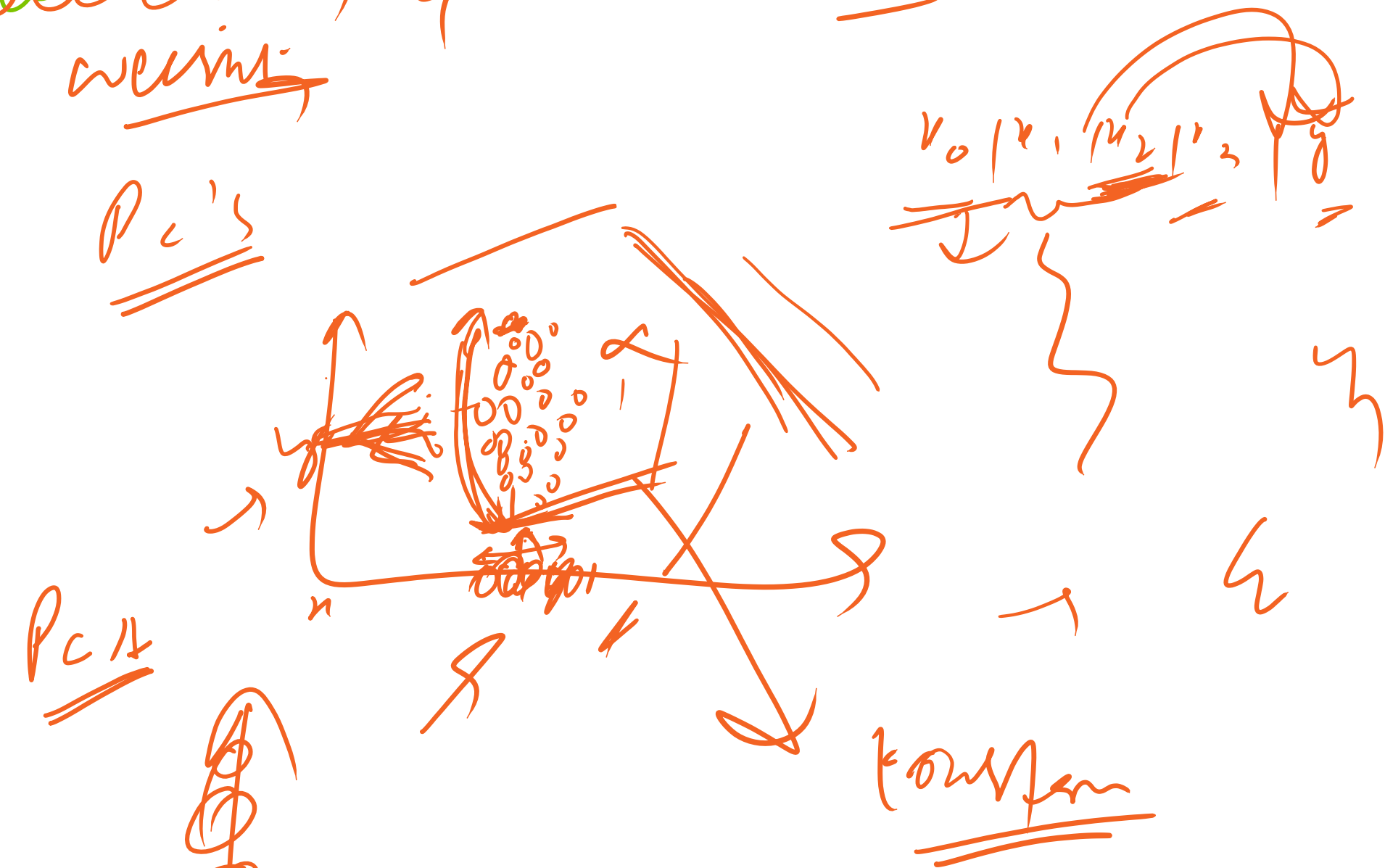
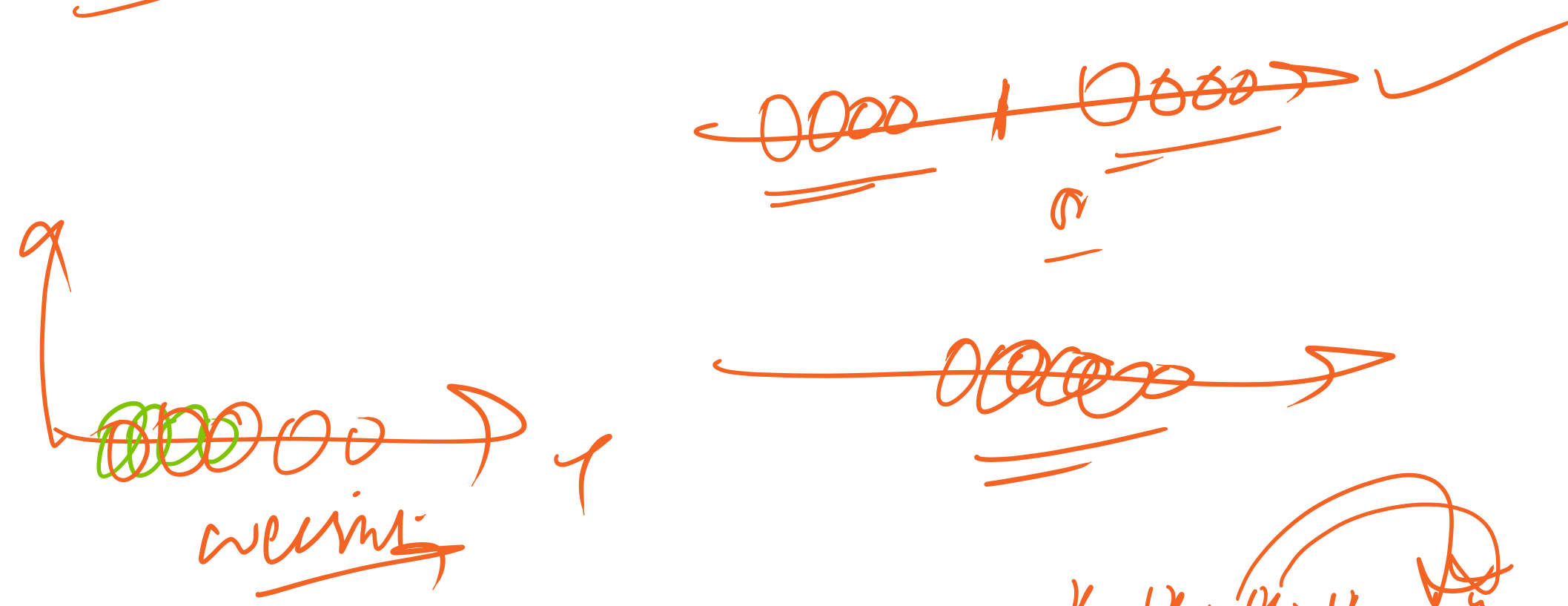


PCO :-



1 20
2 30
3 40

mean 230

Standard
deviation
1 - 11
2 - 20
3 - 30
4 - 40

1 - 11
2 - 20
3 - 30
4 - 40

$$6 \rightarrow (10-30)^2 + (20-30)^2 + (30-30)^2 + (40-30)^2$$

$$6 \rightarrow 100 + 100 + 0 + 100 = 300$$

6

1

Co-variance matrix

2

10
20
30
40

3

Eigen values / Eigen vectors

1 - 11
2 - 20
3 - 30
4 - 40

0.5
0.2

0.2 \rightarrow $\rho(\hat{u}_1, \hat{u}_2)$