1) Scolor

1 vector

1 matrix / Arroy

9 tensor

(i) Scalaz & Single observation with magnitude

Sachin 80 kg 5.11 feet

1 Vector > Collection et Scaless with direction (Dimension)

s student 's height

1) Column Vector

one diversion $V = \begin{bmatrix} \frac{140}{160} \\ \frac{150}{145} \\ \frac{170}{170} \end{bmatrix}$

10 jour vector

7 - 7 - XV

V. - (10,20)

[140 160 180 195 170]; y soft -----

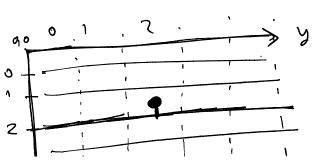
Shape at matrix shows how vectors are arranged

> Soler per day according to product

Product = [P, P2 P3]

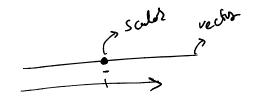
product =
$$\begin{bmatrix} P_1 \\ P_2 \\ P_3 \end{bmatrix}$$
 [45000]

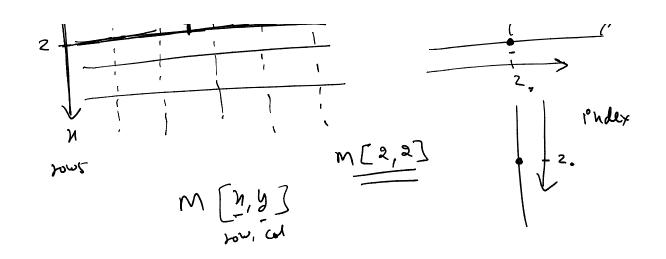
Co-ordindian

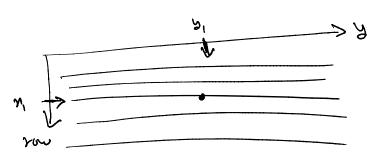


motriy - n-y plain

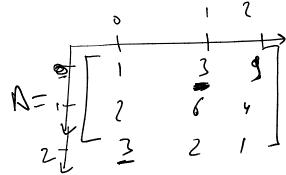
2 Piredin





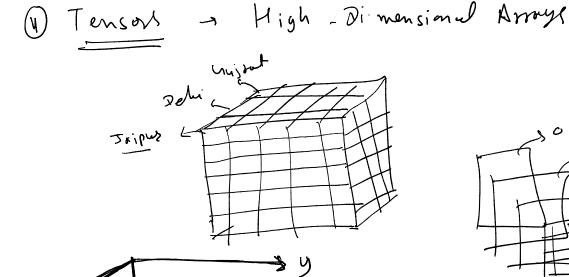


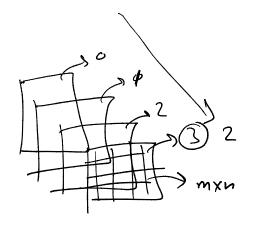
m[4,5,7]

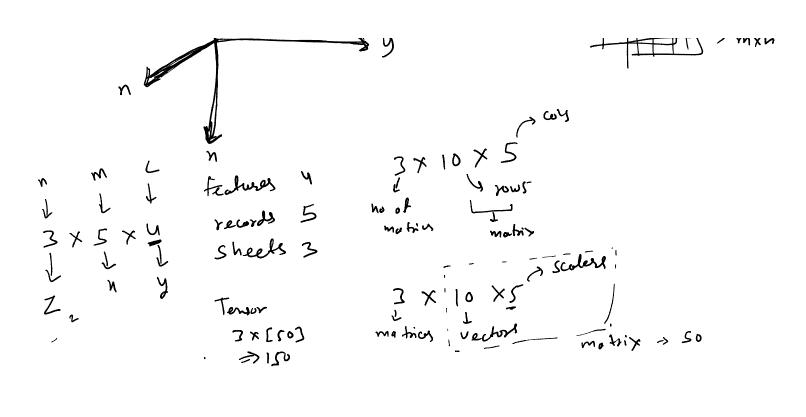


A[P, 23

3 - (1) A[0,1]
(2) A[2,0]







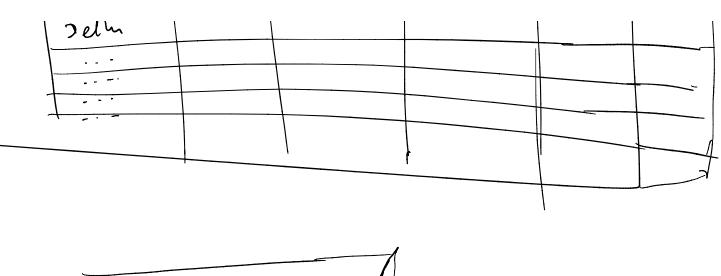
nump Arroys

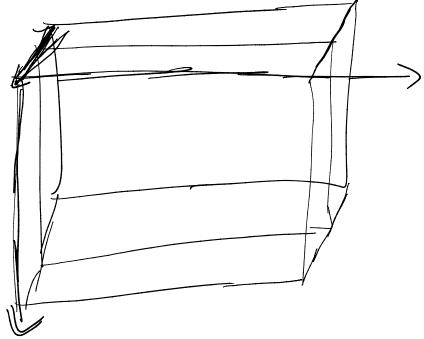
- Creations operations Visulosion

a store

Country U States

India	fea	tues ->	to tol cost,	total deals, t	otal test, 1	populat, Im/last
		total are	to be desh	total - test	po pulda	Im/kst
Rai, ash	<u>_</u>					
Chujral						
Jelhi						





-> Numpy

> Numerical x python