But what made a vector a vector? - Wat operations Con we do on its vectors, and what her deflee what key are " we can hink of vector asam object that moves us about in - It can be a physical spore or space of data. in data science, we thenk of vector as Ilist of attributes of object

take have, with attributes 120 Sgn. \$150k. This Can then be unter a a (120, 2, 1, 150 on) Extension uptions are 4 Jeas/156600xm, 5 year/180800km a Bushing Pre-Overed Warrenty: Applicable to the Dyles Pa. Fend es its thought of a 3 Thought of description of attribute of object betar based on 2 (two) rules @mutiplication by Scalar newser. we have two vectors Sa => we put S at end (tril of R) ad he draw diagonal to end We can also

Same Thing (Commutative Rule) do scalar nunt Corrdinate System

15 now ! 30 g c 2 % J Scaler nuls 3 of 3 ruber 2 of J the vectors + back 2 for i digram ne go

add 25 togue(4) Scalor multon 20 )
we stegged 1 Bod
Secared
Scalor Multon 20 ) 3-1=2

the spirit

A STATE OF THE STA

JAW MAY CHANGE STRANGED THE TAS

la at Scalor muthiplication: adj' Z Basis vectors hat define the Coordinate System. But don't have to work with vector Geometrically, Con use list