

maximum spread Spread of Variance -> Spread variance is pattern of data and ML Is about learning fatterns, what to do to capture maximum variance and also reduce the dimension. Mouse 1 7 Hoof young -> Since you transformed the axis, Spread Variance Del maximum variance 665 Kaliban along the axis Changed PC, & PC₂ No of room getting 2 Pcs $2d \rightarrow PC, PC_2$) If you neglect this, less amount of Variance will be lost pc, will be Used for model training as it Captury the maximum var Spred of data 2d - 1d (pei) > 91 you use only new feature No of rooms' (pc1) then you less amount of variance will be lost. - There can be n-dimension but 777 Jeu want the maximum variance Capture. No of rooms

