* Mathematical Explanation of PCA Proj offianu = P.U (pix) U (unitrector mag =) Projethonu = P.u Scaler Value
Projection. you want that Unit vector where Vaniance spread is maximum Aim is to find that unit yestor Which Cap hous the maxim un Vaniance after Speed Var = 2 (x; -x)2 $\frac{\text{(o-Varianu}}{\text{in}} = \frac{1}{2} (x_i - \overline{x}) (y - \overline{y})$





