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- Don't model p(x1), p(x2),, etc. separately.	
Model p(x) all in one > Multivariate Mormal Dist.	
- parameters: HER?, IER " (cavariance matrix)	
∑ → Covariance matrix.	
	6
$Cov(x_1, X_1) = Vor(x_1) = \sum (x - \overline{x})^2$	
$Cov(X,Y) = \sum_{x=1}^{\infty} (X-\overline{X})(Y-\overline{Y})$	
$\sum = \begin{bmatrix} cov(x,x) & cov(x,y) \\ cov(y,x) & cov(y,y) \end{bmatrix}$	=
Covariance matrix	=
	=
- Multivariate Gaussian (Mormal) Distribution	E
Gak boyutlu ve, 2 vega daha fasla degisken	
Recici 2 degisken i gernesi Bivoriate alorak da andre-	
$ \begin{array}{c} \text{Cov}(X_1, X_1) = \text{Var}(X_1) \\ \text{Cov}(X_1, X_2) = \text{Var}(X_2) \\ \text{Cov}(X_2, X_1) \end{array} $	
[0.5] cax(x1,x2)	
X_2 \Rightarrow $Cov(X_2, X_2) = Var(X_2)$	
Cov(×2, ×1)	
Bu girdilere bağlı darak 3 boyutlu 2	M
degiskene sahip Pormal dogilar grafik çizilir	
	The state of the s
1 bayut X1 degiskeni	
1 boyut X2 degiskeni	