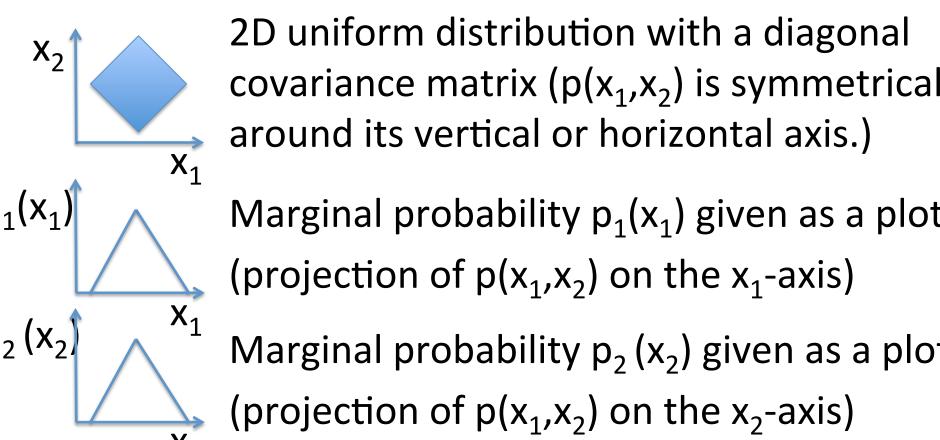
## Covariance matrix and statistical independence



The product  $p_1(x_1)p_2(x_2)$  is not equal to  $p(x_1,x_2)$   $p(x_1,x_2)$  (i.e.  $x_1$  and  $x_2$  are not statistically independent)