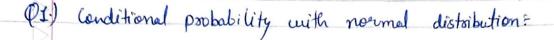
## Assignment-4 CS-4783/5783



$$\hat{P}(x; | C = C_i) = \frac{1}{\sqrt{az} \sigma_{ji}} exp\left(-\frac{(x_i - \mu_{ij})^2}{2\sigma_{ji}^2}\right)$$

where,

U; = mean of attribute values X; of examples for which C=C; Oji = Standard deviation of attribute values X; of examples for which C=C;

We'll be using no of sooms first, as it is contineous, from the given data,

Apcortment	House	Condo.
1/7	1/7	Condo.
2/7	4/7	416
2/7	2/7	1/6
1/7	0/7	0/6
1/7	%	0/6
0/7	0/7	1/6
	2/7 1/7 1/7	1/7

Bathrooms	Apartment	House	Condo
1	517	6/7	4/6
1.5	1/7	1/7	116
2.5	1/7	0/7	1/6

	Condo.	House 217	Apartment	Garages
21	4/6	2/7	3/7	0′
1 10	016	1/7 168	1/7	1.5
1124	2/7	2/7	2/7	2
July - W	1	OF.	FI C	
, Jan		111	8 11 12	

Bed rooms	Apartment	House	Condo.
2	117	1/7	0/6
3	3/7	5/70	5/6
4	2/7	1/7/100	%
5	77	9/7	1/6

Mean of Local price = 6.80749 Variance of Local price = 9.9271

Mean of Land area = 6.265 Variance of Land area = 6.395

Mean of Living area = 1.47985 Variance of Living area = 0.3801.

	Mean	Variance.
Apartment		
Local Price	7.3327	11.2075
Land Axea	6.10 39	9.1010
Living Area	1.5050	0.4249
Age of house	38.7142	184-7755
louse		
Local Price	5.7607	0.2186
Lound Avea	6.6309	4.3353
Living Asea	1-3917	0.0389
Age of house	34.2857	138.7755
Condo		
Local Price	7.4159	17.7197
Lord Asea	6.0247	5.3966
Living Assea	1.5533	0.7106
Age of house	39.6667	162.2222