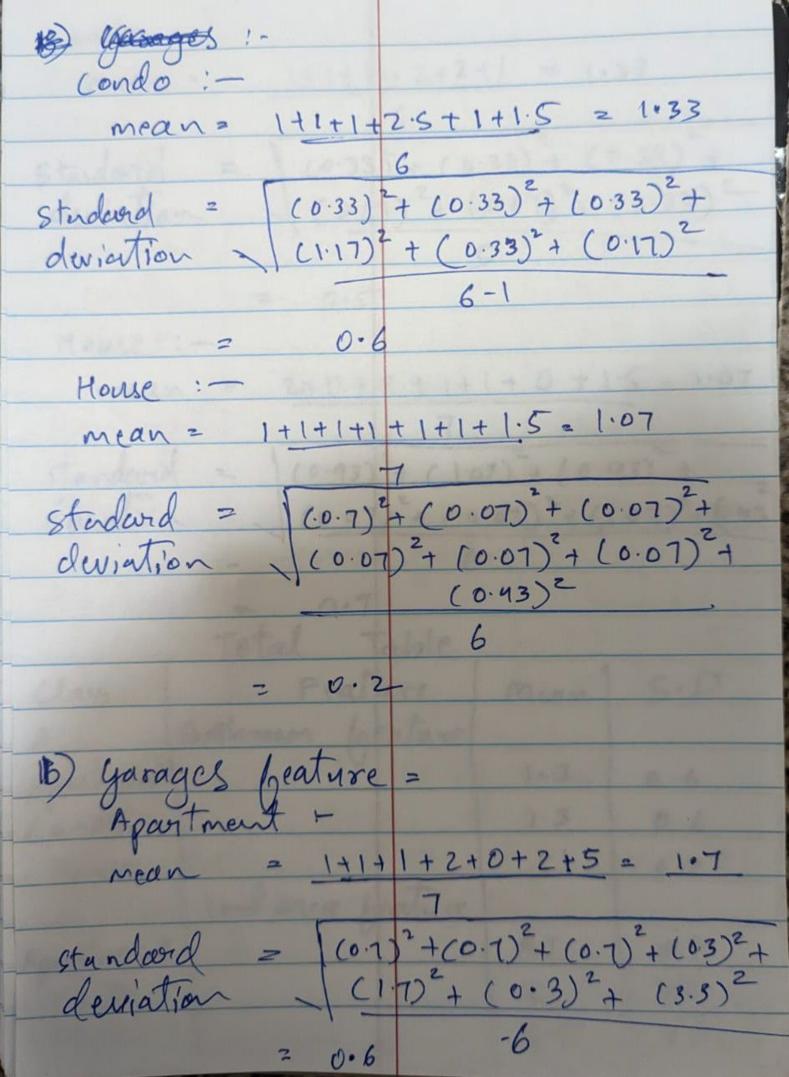
prior probability Calculating the of each class = 0.35 P (Apartment) -20 = 0.35 P (Mouse) = 20 = 0.3 6 P (Condo) = conditional probability 2) computing the box beatures. a) Bathroom peature = Apartment: 1+1+1+2.5+1+1+1.5+1 (0.28)2+(0.28)+(0.28)+ standwed = (1.22) + (0.28)2+ (0.28)+ deviation (0.22)2 + (0.28)2 0.6



Condo :-1+1+1+2+2+1 = 1.33 mean = Standord = 1 (0.33) + (0.33) + (0.33) + (0.67)2+ (0.67)2+ (0.33)2 deviation 0.5 270+2+1+1+0+1.5=1.07 2 (0.93)2+ (1.07)2+ (0.93)2+ (0.07)2+(0.07)2+(1.07)2+6.43 duration Total Table S.D Feature Mean Class Bothroom geature Apartment 1.3 0.6 6.6 Condo House 0.2 land area beature 51 Apartment 0.7 0.9 Condo 6 6.5 0.2 House

n + + Living area	beature)	1		
Apartment	0	1.5	0.7	
condo		1.6	0.9	
wall b		1.4	0.2	
Local Price Geature				
Apartment	U	7.3	3.7	
condo.	7 000	T. U	4.6	
House	1 000	5.8	0.6	
Age of	home			
Apartment		38.6	14.7	
condo		39.5	14	
House		34.4	12.6	
garage pentuse				
Apartment 0	0	1.2	0.6	
Cando	7/11	1.3	0.5	
House	F1 112	1-1	0.7	
/(0.0)	5 / W.	373 4		
> calculating the Londitional				
Probability fore the				
· · · · · · · · · · · · · · · · · · ·				
test dala using the gorning.				
3 JZTI 202				
7 - 57 - 13				

1) Home ID . '25' 0.34 P (Bedroom = 4/Apt) 0 162 P (Age of hone = 48/Apt) = 0.2 PC 200my = 8 / Apt) = 0:3 PC garages = 2 (Apt) = 0:52 PC Living areq = 1.77/ Apt) = 0.05 (c Landanea -9.15 / Apt) = PL Bathroom = 1.5 / Apt) = 0.6 P (Local Price = 8.36 / Apt) = 0.) 4 / House) = 8 (Bedroom -0.15 of C Age of horse 48/ Home) = 0.002 & C poory = 8 / House) = 0.01 2/ Marse) = 6.25 Pl Garages = PC viving area -1.77 / HOUSE) = 0.35 PL Land area = 9.15/ House) = 0.09 PC Bathroom = 15/ Mouse) = 0.15 & C Local Price 8.36/ House) = 0.00002 8 (Bedroom 24 / Condo) = 0.35 8 (Agrophone -48 / Condo) = 0.02 0.19 PC Garages -2/ (ondo) = 0.33

	2
PC Living area 1.77	Cando) = 0.4
	(cardo) - 0.07
Pl Bathroom 1.5	(cardo) = 0.6
PC voialPrice 8.36/	(ondo) = 0.08
1 ((00-0(1-10)	
House ID -27	
House to	
	- Apt condo House
P(Bedroom = 11)	0.34 0.35 0.15
	0.02 0.02 0.03
P(Age of home = 31) P(Rooms = 8)	0.2 0.19 0.015
8 (1600 mg - 8)	
P(Garages = 1.5)	0.53 0.5 0.42
PC Livingarco -1.831)	0.5 6.4 0.2
PC Landwrea -1.32	0.097 0.138 0.169
p C Bathroom = 1.5	0.61 0.63 0.095
PC Local Price - 9.14	0.000 20.00
	0015