|  |  | Page:  |  |
|--|--|--|--|
|  | Assignment - 1   | Dale: / /  |  |
| - Abhishek Nivarjan  |  |  |  |
|  | -13cs30003   |  |  |
|  |  |  |  |
|  |  |  |  |
| and the same of th | We know that joint distribution is   |  |  |
|  |  |  |  |
|  | P(A,B) = P(everth happening & everth happening)  P(A,B) = P(B A) P(A)  Ton attribution  Ton attribution  Ton availables.   |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | 1 ingar Regrandom  |  |  |
| -  | Linear Regression  (out hypothesis $H(X) = F(X_1, X_2, X_3, X_4)$  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | This is learnt by suporking on minimizing the cost function  |  |  |
| 4  | (Mean squared ervor), and doesn't deal with prubabilities  |  |  |
|  |  |  |  |
| in   | Thus, we con't calculate F(x,, xz, xz, xu, Y) on this information  |  |  |
|  | The state of the s |  |  |
|  | -> Logistic Regression   |  |  |
|  | Compression without the same of the same o |  |  |
|  | Miles of Miles   |  |  |
|  | $\frac{1}{1+e^{-0x}} + (x) = P(y) \times_1 \times_2 \times_3 \times_4 \cdot P(x_1 \times_2 \times_3 \times_4)$   |  |  |
|  |  |  |  |
|  | Probability shad This is just P(x2   | 2) given (x, x, x, x, x)   |  |
|  | But H dogn't contain P(x, x2, x3, x4) y  | Let the second and th |  |
|  | 0  |  |  |
|  | (D) with the   |  |  |
|  | (2)11 = 19   |  |  |
|  | AVILLE M. S. L.  |  |  |

| Page: Date: / /   |
|---|
| parameter administration  |
| Nave Bayes classifier Rayer   |
| Nave Bayes classifier Rayes<br>When devoloping Nanc Classifier      |
| trung  Owa  P(Y)  P(X, Yz)  |
| probabilities. Thus it contains myormation by writes we can compute |
| grusali ins i was is writer   |
| P(Y, x1, xy, xz, xy)  |