NAME: SHIVPRASAD . C. PREMARAJAN. ROLL NO: 9696 Assignment 1 SUB: DWM (9.1] A bank wants to develop a DW for uffective decision making about their loan Uschemes toan are provided for voisous Duspase (Home (an Education etc).
The whole country is ategorized into origios namely (East, next, South, North). Loan's distributed to customer at the interest sale that changes from time to time Different loans how different RDI. clearly disigns the Oster Schema & Snoutlake Schema. Information Packege Diagram. Business Broces: Loan Analysis Customer Region Region Key
Account number Region rame lean. Time bankey Time-key ROI Type Day Account type day- of- week Payment. month Custome none Quater Jact: Loan-amount, No of customer



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DWM Assignment no-2

AIT The following para (in locasing orden) for the albibith age: 13, 15, 16, 16, 19, 20, 20, 21, 22, 12, 25, 25, 25, 25, 30, 33, 33, 35, 35, 35, 36, 40,

Parition into (agui-depth) bins.

Bin1:- 13, 15, 16, 18, 19, 20 20, 21, 22.

Bin2:- 22, 25, 25, 25, 25, 30, 33, 33, 35

Bin3:- 35, 35, 35, 36, 40, 45, 46, 52, 70

- a) Smooth, by bin mean-Bin1:- 18, 18, 18, 18, 18, 18, 18, 18. Bin2:- 28 28, 28, 28, 28, 28, 28, 28, 28. Bin3:- 44, 44, 44, 44, 44, 44, 44, 44, 44.
- b) Smooting by bin median-Bin 1:- 19, 19, 19, 19, 19, 19, 19, 19, 19. 13:72:- 25, 25, 25, 25, 25, 25, 25, 25, 25, 25 Bin 3:- 40, 40, 40, 40, 40, 40, 40, 40.

Name: Chavaratlil Shipprosol Pourrosofor ER CONCEICA RODRIGUES COLLEGE OF ENGINEERING Ralno - 9696. Assignment 3: Q.i) Apply Naive Bayesian Classification Algorithm on following data tuple (Homeowner = yo, Statu = Employed, Incom= p (Defaulted = 'yes') = 3/10 p (Defaulted = 'No') = 7/10 To calculate probabity P((P/x) = p(x)(P) p(i)): p(x) is constant for all classes <math display="block">p(x) = p(x)(x) p(x).p(x|ci) = p(x) Pefaulted = 'yo')

= p(Homeous = 'yo') Difautad='yes')x

= p(Status = 'Employed' | Pefaulted='yes')x

= p(Incone = 'Average' | Refallted='yes')

= 0 x 2 x p 0. P(Defaulted='yes') x P(Defaulted='yes') x P(Defaulted='yes') x P(Defaulted='yes')