



ASSIGNMENT QUESTIONS

Name of Course Instructor: Michael Sadgun Rao Kona
Course Name & Code : Data Warehousing & Data mining
L-T-P Structure : 3-0-0
Program/Sem/Sec : B.Tech/IV/A&B

Reg: R20
Cycle: I
Credits: 3
A.Y.: 2021-22

Q.No	Question Description	Unit #	CO#	BL																																																							
1	Discuss typical OLAP operations with suitable examples?	I	CO1	L2																																																							
2	Explain the role of materialization in efficient Data cube computation?	I	CO1	L2																																																							
3	Discuss different indexing techniques available for OLAP data?	I	CO1	L2																																																							
4	Illustrate briefly any 4 Data mining tasks with suitable examples?	II	CO2	L3																																																							
5	What is Discretization? Discuss about Supervised Discretization and Unsupervised Discretization?	II	CO2	L3																																																							
6	Calculate the Euclidean distance, Manhattan distance & Minkowski distance between two vectors (0,0), (1,0), (0,2)	II	CO2	L3																																																							
7	Calculate the cosine of the angle between (1,0), (1,1.732), (-1, 0)	II	CO2	L3																																																							
8	Construct a Decision tree using basic Hunt's algorithm for the following dataset? <table border="1" data-bbox="272 1496 639 1760"> <thead> <tr> <th>Tid</th><th>Home Owner</th><th>Marital Status</th><th>Annual Income</th><th>Defaulted Borrower</th></tr> </thead> <tbody> <tr><td>1</td><td>Yes</td><td>Single</td><td>125K</td><td>No</td></tr> <tr><td>2</td><td>No</td><td>Married</td><td>100K</td><td>No</td></tr> <tr><td>3</td><td>No</td><td>Single</td><td>70K</td><td>No</td></tr> <tr><td>4</td><td>Yes</td><td>Married</td><td>120K</td><td>No</td></tr> <tr><td>5</td><td>No</td><td>Divorced</td><td>95K</td><td>Yes</td></tr> <tr><td>6</td><td>No</td><td>Married</td><td>60K</td><td>No</td></tr> <tr><td>7</td><td>Yes</td><td>Divorced</td><td>220K</td><td>No</td></tr> <tr><td>8</td><td>No</td><td>Single</td><td>85K</td><td>Yes</td></tr> <tr><td>9</td><td>No</td><td>Married</td><td>75K</td><td>No</td></tr> <tr><td>10</td><td>No</td><td>Single</td><td>90K</td><td>Yes</td></tr> </tbody> </table>	Tid	Home Owner	Marital Status	Annual Income	Defaulted Borrower	1	Yes	Single	125K	No	2	No	Married	100K	No	3	No	Single	70K	No	4	Yes	Married	120K	No	5	No	Divorced	95K	Yes	6	No	Married	60K	No	7	Yes	Divorced	220K	No	8	No	Single	85K	Yes	9	No	Married	75K	No	10	No	Single	90K	Yes	III	CO2	L3
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Title	Course Instructor	Module Coordinator	Head of the Department
Name of the Faculty	Michael Sadgun Rao Kona		Dr.B.Srinivasa Rao
Signature			