程序(ME)经验(ME)经验编程辅导 Data Mining Project: Income Prediction

pdate: 23 Jan, 2024

Due Date for Due Date for

9:00am (via Canvas (softcopy))

4 9:00am (in class (hardcopy))

24 9:00am (in class (hardcopy) and via Canvas

Due Date for (softcopy))

1. Introduction hat: cstutores

You are given two real datasets which contain individual information in US. In the first real dataset SE lingibility is and real dataset individual had an income > Boolean attribute called "income" indicating whether the individual had an income > 50K (per year) or not. The second real dataset is the same as the first dataset but the second one contains ally the first O income". The objective of this project is to predict whether each individual in the second dataset has an income > 50K or not.

There are three phases in this project – Phase 1, Phase 2 and Phase 3. In Phase 1, you are required to generate an Excel file from two raw files together with attribute names. In Phase 2, you are required/to write a design report for this project. In Phase 3, you are required to follow the design report in Phase 2, generate the predicted attribute files for the second real dataset and write a final report.

Project should be completed in form of groups. For each group, only one copy is required.

2. Milestones

1. Phase 1

- i. You are given two real datasets in TEXT format, "training.txt" and "test.txt".
- ii. File "training.txt" contains 13 attributes and 1 additional Boolean attribute.
- iii. File "test.txt" contains 13 attributes only.

- iv. Open these two TEXT files with MS Excel
- v. Please re-name "Sheet 1" as "training" and re-name "Sheet 2" as
- vi. ginning of each of the two sheets of the Excel file the attribute names specified in Section 3
- 2. Pha_{ʻl}
 - i. quired to write a design report for this project.
 - ii. Let so want to try
 - iii. Note that a possible data mining model can be "Decision Tree Classifier" with a set of parameters and another possible data mining Model can be Decisio CISE Classifier Cwish another set of parameters. Obviously, one of the possible data mining models can be "Nearest Neighbor Classifier" with a set of parameters.

3. Phas Assignment Project Exam Help

- i. In Phase 3, you are required to follow the design report in Phase 2, use the XLMiner software to predict attribute "income" for the second real tables and write a libit report S 0 163. COM
- ii. The final report should include the following.
 - a) All materials in your design report written in Phase 2 (i.e., the 5 possible data him grades)
 - b) Description of the XLMiner results for each of 5 possible data mining models
 - to have an income > 50K or not for each of 5 possible data mining models.
 - d) Conclusions drawn from each of 5 possible data mining models and an overall conclusion
- iii. In addition to the final report, you are required to generate 5 predicted attribute files for the second real dataset in TEXT file format. Note that each predicted attribute file corresponds to the output of a possible data mining model you proposed in Phase 2. The file format is described in Section 4.

3. Data Steerications代做 CS编程辅导

There are 13 attributes in the first dataset and 1 additional Boolean attribute called "income".

	ome".	Nation	
No.	Attribu	Content	
1	age age	s.	
2	workcla	Self-emp-not-inc, Self-emp-inc, Federal-gov,	
		L, State-gov, Without-pay, Never-worked.	
3	education Some-college, 11th, HS-grad, Prof-sch		
		Assoc-acdm, Assoc-voc, 9th, 7th-8th, 12th, Masters,	
	XX 7 - C	1st-4th, 10th, Doctorate, 5th-6th, Preschool.	
4	education nun	dolications.CSUUTOTCS	
5	marital-status	Married-civ-spouse, Divorced, Never-married, Separated,	
	A = = :	Widowed, Married-spouse-absent, Married-AF-spouse	
6	occupation SSI	Sech-support, Cafe repair, Other service, Sales, 11 1 C	
		Exec-managerial, Prof-specialty, Handlers-cleaners,	
	D	Machine-op-inspct, Adm-clerical, Farming-fishing,	
	Ema	Hransport in Oing, Priv house son, Proceding,	
		Armed-Forces.	
7	relationship	Wife Own-child Husband, Not-in-family, Other-relative,	
	QQ:	Unmarried 894/0	
8	race	White, Asian-Pac-Islander, Amer-Indian-Eskimo, Other,	
	1-44	Black.	
9	sex Https	Female, Male: TCS. COIII	
10	capital-gain	continuous.	
11	capital-loss	continuous.	
12	hours-per-week	continuous.	
13	native-country United-States, Cambodia, England, Puerto-Rico, Canad		
		Germany, Outlying-US(Guam-USVI-etc), India, Japan,	
		Greece, South, China, Cuba, Iran, Honduras, Philippines,	
		Italy, Poland, Jamaica, Vietnam, Mexico, Portugal, Ireland,	
		France, Dominican-Republic, Laos, Ecuador, Taiwan, Haiti,	
		Columbia, Hungary, Guatemala, Nicaragua, Scotland,	
		Thailand, Yugoslavia, El-Salvador, Trinadad&Tobago,	
		Peru, Hong, Holand-Netherlands.	
14	income	>50K, <=50K.	
	1		

4. File fo極afforkregictled做thibs编辑

In Phase 3, you are required to submit 5 predicted attribute files for the second dataset. The files sho redicted 1.txt", "predicted 2.txt", "predicted 3.txt", "predicted 4.tx" corresponds to the output of the first da psed in Phase 2 and the other files have a similar meaning. The second dataset has an income > 50K and 0 corresponds to that she does not > <2nd row: 1 or 0 where 1 corresponds to that the second individual in the second dataset has an income > 50 Cardo corresponds to that the second individual in the second dataset has an income > 50 Cardo corresponds to that the second individual in the second dataset has an income > 50 Cardo corresponds to that the second individual in the second dataset has an income > 50 Cardo corresponds to that the second individual in the second

Here is a sample signment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

https://tutorcs.com

We have an answer file for the predicted attribute file. Among 5 files given by you, we will select the one with the highest accuracy as the final file for marking.

5. Gradi程序i成写代做 CS编程辅导

Phase 1

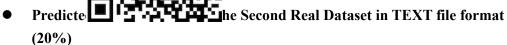
Excel file

Phase 2

Design I

Phase 3

Final Re



Mark Deductive Chat: cstutorcs

• Phase 1 and Phase 2

No late submission is allowed for Phase 1 and 2. All submissions after the deadline of as Situation between the temperature of the submission is allowed for Phase 1 and 2. All submissions after the deadline of as Situation between the temperature of the submission is allowed for Phase 1 and 2. All submissions after the deadline of the submission is allowed for Phase 1 and 2. All submissions after the deadline of the submission is allowed for Phase 1 and 2. All submissions after the deadline of the submission is allowed for Phase 1 and 2. All submissions after the deadline of the submission is allowed for Phase 1 and 2. All submissions after the deadline of the submission is allowed for Phase 2 and 3 and 3

• Phase 3

Number of Days Late	Deduction (out of 100 marks)
Email: tuto	rcs@163 ₀ com
2	30
00374020	70
Valabove4938	94/6 100

https://tutorcs.com

程序代写代做 CS编程辅导 6. Turn-in

Note:

- a. Only on the project materials.
- b. Your grand point of obtain full scores of the 5 predicted attributed by the following point of the point o

1. Phase 1

i. A Soft Copy of One Excel file (Any Excel Version) (via Canvas)

Please hardwarfiles Excel file (Section) (via Canvas)

(e.g., "14.xlsx"))

2. Phase 2

i. Assignment Project Exam Help

3. Phase 3

- i. A Hard Copy of Final Report (in class)

 A Hard Copy of Final Report (in class)

 The first prefix solution for the sure files, your coupon could be stapled to this final report. We will mark the final report and the 5 predicted attribute files together).
- ii. A lage zipped file (ii Czly Lie/fernat) containing the following (via Canvas).

(Please name your file as "<group no>.zip" (e.g., "14.zip"))

11 143 St. Copt bl t DidctSt. (tti) he Files for the Second Real

Dataset (in TEXT file format)

(Please name your files as "predicted1.txt", "predicted2.txt", "predicted3.txt", "predicted4.txt" and "predicted5.txt" as described before.)

(Note: Even if you use the coupon (included in the final report for submission), you could still keep submitting your 5 files to know the original scores of these 5 files (though you could obtain full scores of these 5 files).)