Data Mining

Competitions

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Data sets

Name	Problem	n	m	p	Evaluation
`wine`	Classification	5199	1298	9	Accuracy
`ames`	Regression	1460	1470	82	RMSE(log)
`orange`	Classification	22494	27506	230	AUC

Go to http://www.bee-viva.com/competitions

Deadlines

Name	Days	Start	End
A			
`wine`	18	9/10/17	27/10/2017 h. 12:00
`ames`	18	9/10/17	9/11/2017 h. 12:00
`orange`	27	13/10/17	9/11/2017 h. 12:00
B			
`wine`	10	13/1/18	23/1/2018 h. 12:00
`ames`	10	13/1/18	23/1/2018 h. 12:00
`orange`	10	13/1/18	23/1/2018 h. 12:00
C			
`wine`	10	8/6/2018	18/6/2018 h. 12:00
`ames`	10	8/6/2018	18/6/2018 h. 12:00
`orange`	10	8/6/2018	18/6/2018 h. 12:00

Rules

- You can partecipate in A, B or C (only once)
- Score: 0-10 points
- You must submit valid predictions for all data sets, otherwise your score will be 0
- You must send the R code used for the final predictions, otherwise your score will be 0
- Your score will be valid for the any of the following exams: 13/11/17, 24/1/18, 13/2/18, 19/6/18, 4/7/18, 12/9/18
- For B and C, you must participate individually
- For A, you may participate as a team (max. team size: 3)
- You must register here https://goo.gl/forms/rKchboY4BMoTgECs2

wine

```
# Example of submission

train <- read.csv("train.csv")
test <- read.csv("test.csv")

fit = glm(good ~ . , data=train, family="binomial")
phat = predict(fit, newdata=test, type="response")
yhat = ifelse(phat >=0.5, "Good","Bad")
```

e-mail with R code

Student with badge number 123456

- To: aldo.solari@unimib.it
- Subject: DM competitions + 123456
- Text
  - Name, Surname
  - Badge number
  - Curriculum (SPI, STAT, MAF, OTHER)
  - Exam type (Data Mining M (6CFU) F8204B014, Data Mining (module of Data Science M) F8204B014)
  - Team name (optional)
  - Session (A, B or C)
- Attachments:
  - wine_123456.R
  - ames_123456.R
  - orange_123456.R