

- Welcome
- Introduction: Machine Learning concepts
- Module 1. The Predictive Modeling Pipeline

Module overview

# Tabular data exploration

Quiz M1

Fitting a scikitlearn model on numerical data Quiz M1

Handling categorical data

Quiz M1

Wrap-up quiz
Wrap-up quiz

Main take-away

- Module 2.Selecting the best model
- Module 3.Hyperparameter tuning

#### ☑ Quiz M1.01

Note: For each question **make sure you select all of the correct options**— there may be more than one! Don't forget to use the sandbox notebook if you need.

#### Question 1 (1/1 point)

In the notebook "First look at our dataset", we used pandas and specifically

adult\_census = pd.read\_csv("../datasets/adult-census.csv") to:

- a) load a comma-separated values file
- □ b) load a dataset already included in the pandas package
- □ c) load a file only containing the survey features
- ☐ d) load a file only containing the target of our classification problem: whether or not a person has a low or high income salary
- e) load a file containing both the features and the target for our classification problem



Select all answers that apply

You have used 1 of 2 submissions

## Question 2 (1/1 point)

In the previous notebook, we used:



- Module 5.Decision tree models
- Module 6. Ensemble of models
- Module 7.Evaluating model performance
- Conclusion
- Appendix

b) pandas and seaborn to visually inspect the dataset
☐ c) numpy and scipy to perform numerical inspection (for instance using scipy.optimize.minimize)
d) scikit-learn to fit some machine learning models

Select all answers that apply

You have used 1 of 2 submissions **Question 3** (1/1 point)

How is a tabular dataset organized?

- $\ \square$  a) a column represents a sample and a row represents a feature
- ☑ b) a column represents a feature and a row represents a sample
- $\Box$  c) the target variable is represented by a row
- d) the target variable is represented by a column



Select all answers that apply

You have used 1 of 2 submissions

### Question 4 (1/1 point)

A categorical variable is:



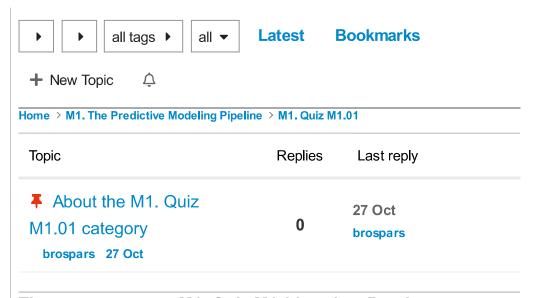
	Search Courses W	
O b) a variable with continuous numerical values		
o c) a variable with a finite set of poss	ible values 🗸	
You have used 1 of 1 submissions YOUR EXPERIENCE According to you, this whole 'Tabular data exploration' lesson of the course was:		
Adapted to my skills	78%	
○ Too easy, I got bored	19%	
O Difficult but I was able to follow	4%	
O Too difficult	0%	
Submit		
Results gathered from 112 respondents.		
To follow this lesson, I spent:		

less than 30 minutes	59%
30 min to 1 hour	30%
O 1 to 2 hours	9%
2 to 4 hours	1%
O I don't know	1%
o more than 4 hours	0%

Submit







There are no more M1. Quiz M1.01 topics. Ready to start a new conversation?



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