(https://profile.intra.42.fr)

Remember that the quality of the defenses, hence the quality of the of the school on the labor market depends on you. The remote defences during the Covid crisis allows more flexibility so you can progress into your curriculum, but also brings more risks of cheat, injustice, laziness, that will harm everyone's skills development. We do count on your maturity and wisdom during these remote defenses for the bene fits of the entire community.

SCALE FOR PROJECT FT_LINEAR_REGRESSION (/PROJECTS/42CURSUS-FT_LINEAR_REGRESSION)

You should evaluate 1 student in this team

Git repository

?

Introduction

Please follow the following rules:

- Remain polite, courteous, respectful and constructive throughout the evaluation process. The well-being of the community depends on it.
- Identify with the person (or the group) evaluated the eventual dysfunctions of the work. Take the time to discuss and debate the problems you have identified.
- You must consider that there might be some difference in how your peers might have understood the project's instructions and the scope of its functionalities. Always keep an open mind and grade him/her as honestly as possible. The pedagogy is valid only and only if peer-evaluation is conducted seriously.

Guidelines

- Only grade the work that is in the student or group's GiT repository.
- Double-check that the GiT repository belongs to the student or the group. Ensure that the work is for the relevant

project and also check that "git clone" is used in an empty folder.

- Check carefully that no malicious aliases was used to fool you and make you evaluate something other than the content of the official repository.
- To avoid any surprises, carefully check that both the evaluating and the evaluated students have reviewed the possible scripts used to facilitate the grading.
- If the evaluating student has not completed that particular project yet, it is mandatory for this student to read the entire subject prior to starting the defence.
- Use the flags available on this scale to signal an empty repository, non-functioning program, a norm error, cheating etc. In these cases, the grading is over and the final grade is 0 (or -42 in case of cheating). However, with the exception of cheating, you are encouraged to continue to discuss your work (even if you have not finished it) in order to identify any issues that may have caused this failure and avoid repeating the same mistake in the future.
- Remember that for the duration of the defence, no segfault, no other unexpected, premature, uncontrolled or unexpected termination of the program, else the final grade is 0. Use the appropriate flag.

You should never have to edit any file except the configuration file if it exists. If you want to edit a file, take the time to explicit the reasons with the evaluated student and make sure both of you are okay with this.

- You must also verify the absence of memory leaks. Any memory allocated on the heap must be properly freed before the end of execution.

You are allowed to use any of the different tools available on the computer, such as leaks, valgrind, or e_fence. In case of memory leaks, tick the appropriate flag.

Attachments

2 subject.pdf (https://cdn.intra.42.fr/pdf/pdf/13331/en.subject.pdf)

data.csv (/uploads/document/document/2108/data.csv)

Preliminaries

Preliminaries

Please first check the following element:

- Check again that you are checking what is on the git repository No cheat, check if the student knows his subject and his code.
- There should be 2 programs, one to predict the price and the other to train the model

Please check that if a librairy has been used by the student it is not already implemented in it. If it s the case, stop everything, push the cheat flag and stop the evaluation.

2 Yes		[™] No	
First section			
Prediction before training			
Launch the prediction programme. mileage: Enter a value that is not n	•		
The programme should display the print the value 0 because the train		should	
Please verify that the equation is : (theta1 * x).	theta0 +		

? No

Training phase

Ask the student to show you its implementation of the linear regression algorithm. Check that the function in the subject is well implemented and that the program save theta0 and theta1 at the end.

N'oubliez pas que si vous ne voyez pas l'équation mais qu'à la place une fonction comme numpy.polyfit a été utilisée, c'est un cas de triche et donc un flag Cheat.

? Yes

Don't forget that if you dont see the equation and you see numpy.polyfit or something that look like it. It s that the student is cheating.

2 Yes 2 No

Read the csv				
The training program s	should read the csv file a	nd use it for training itself.		
	2 Yes		2 No	
Simultaneous assignati	ion			
It s a bit complex : You during the training pha		0 and theta1 are set simulta	aneously	
•	·	s during the training phase a eta0 and theta1 at the end		
	2 Yes		? No	
Prediction after trainin	g			
	on program. Reenter the sould give you a price. Ent			
The difference betwee	n the csv and the predic	nileage. Is it following the cs tion is normal. If the price is ver-fitting. (a bonus point if	exactly the	
	2 Yes		2 No	
Danus				
Bonus Partie Bonus				
Bonus				
You can count 5 bonus	max:			

- A graphique that show the data

- A graphique that show the result of the program in the same graphic as above

- A program to get the precision of the algorithm

	Rate	e it from 0 (failed) through	5 (excellent)			
Ratings						
on't forget to che	ck the flag correspondi	ng to the defense				
☑ Ok			Outstanding project			
Empty work	☑ No author file	W Invalid compilation	☑ Norme	☑ Cheat	d _{Crash}	
		Forbidden function				
Conclusi	on					
eave a comment c	on this evaluation					

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