ytaousi

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# SCALE FOR PROJECT TOTAL-PERSPECTIVE-VORTEX (/PROJECTS/42CURSUS-TOTAL-PERSPECTIVE-VORTEX)

You should evaluate 1 student in this team



Git repository

git@vogsphere-v2-bg.1337.ma:vogsphere/intra-uuid-eb444b16-2c1b-4116-

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# Introduction

To ensure this evaluation goes smoothly, please respect the following set of rules :

- Please remain courteous, polite, respectful and constructive at all times during this exchange. The trust bond between the school's communauty and yourself depends on it.
- Should you notice any malfunctions within the submitted project, make sure you take the time to discuss those with the student (or group of students) being graded.
- Keep in mind that some subjects can be interpreted differently. If you come accross a situation where the student you're grading has interpreted the subject differently than you, try and judge fairly whether their interpretation is acceptable or not, and grade them accordingly. Our peer-evaluation system can only work if you both take it seriously.

#### Guidelines

- You may only evaluate whatever is in the GiT submission directory of the student you are grading.
- Make sure to check wether the GiT submission directory belongs to the student (or group) you're grading, and that it's the right project.
- Make sure no mischievous aliases have been used to trick you into correcting something that is not actually in the official submitted directory.
- Any script created to make this evaluation session easier whether it was produced by you or the student being graded - must be checked rigorously in order to avoid bad surprises.
- If the student who is grading this project hasn't done the project him/herself yet, he/she must read the whole topic before starting the evaluation session.
- Use the flags available to you on this scale in order to report a submission directory that is empty, non-functional, that contains a norm errors or a case of cheating, etc...

  In this case, the evaluation session ends and the final grade is 0 (or -42, in case of cheating). However, unless the student has cheated, we advise you to go through the project together in order for the two (or more) of you to identify the problems that may have led for this project to fail, and avoid repeating those mistakes for future projects.

## **Attachments**

Intra Proje	ects total-perspective-vortex Edit				
subject.pdf (https://cdn.i	intra.42.fr/pdf/pdf/83234/en.subject.pdf)				
Preprocessin	ıg				
Watch it for the plot					
raw and filtered data.	ed then visualized with a script, showing hat is shown in the video, the filtered				
	✓ Yes	imesNo			
Feature extraction					
of your data. Check that the task are kept (~8-40Hz).	it needs to mean something in the context significative frequencies for a motor imagery act the relevant frequencies for classification s.				
	✓ Yes	imesNo			
Classification	n Pipeline				
	·				
<b>Train</b> The program has a train mo The score for the training is	de, sklearn score validation tools are used. displayed.				
		imesNo			
Predict					
•	ich also uses validation tools. olayed (the id of the output class is enough).				
		imesNo			
Realtime					
The prediction is made as the data is streamed to the processing pipeline.  The program outputs the result between 0 and 2 seconds after the event was triggered.					
	✓ Yes	imesNo			
Implementati	on				
Integration					
Implementation was integral baseEstimator and transform	ted to sklearn pipeline, inheriting from the merMixin classes of sklearn.				
		imesNo			
Implementation					
A dimensionality reduction algorithm is implemented, the subject talks about PCA and CSP but other algorithms performing a dimensionnality reduction are feasible.					
Check that the student has a lt is allowed to use functions	a general understanding of the algorithm				
matrix estimation.	s from libs like numpy or scipy for some tasks sition, singular values decompositon and covariance				

### Score

#### Intra Projects total-perspective-vortex Edit

There has to be a script executing training over each subject and computing the mean of scores over each subjects, by type of experiment runs. The mean of the resulting six means (corresponding to the six types of experiment runs) has to be superior or equal to 60%.

⊘ Yes		×No		
Score				
Over 60% add a poi	nt for every 1%.			
	Rate it from	0 (failed) through	5 (excellent)	
Bonus				
Datasets				
Is the scoring on tho Try to assert this tak	sets processed by the prograse datasets correct? ing into account the noise and tompared to the one given	d the general	~	
	✓ Yes		×	No
Feature engineerin	g			
data feeded to the al	elevance of the preprocessin gorithm. The use of fourier o rm the data before the proce	r wavelet transfor		
	⊘ Yes		×	No
Implementations				
( Did he implement he covariance matrix es ( Did he implement a	udent dig into his implementa his own eigenvalues decompo stimation?) his complex dimensionality red f hyperparameter tuning or le	osition, SVD, or uction algorithm ?	<b>'</b> )	
	⊘ Yes		×	No
Ratings				
_	he flag corresponding to the de	efense		
<b>✓</b> Ok		★ Outstanding	★ Outstanding project	
Empty work	<b>▲</b> Incomplete work	<b>₽</b> Cheat	T Crash	Ø Forbidden function
Conclusio				
		Finish evaluation		
y policy	General term of use of the		Rules of procedure	Terms of u

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