MSE	MSE Deep Learning - Practical Work 1										
Group	Student 1	Student 2	Student 3	Exercise 2	Exercise 4	Exercise 5 (optional)	Exercise 6 (optional)	Exercise 7	Feedback (optional)	Grade	
G1	Dmitriy An	Andrin Gamma	Narges Ghotbizadehvahdani	Good. PS: flipud -> vertical flip fliplr -> horizontal flip	Good	-	-	Ok. The benefits of transforming a regression problem to a classification one are the simplicity, the interpretability, etc. 3.b) Yes, but all elements in the array will be casted to a single common distatype.		Pass	
G2	Silvan Hug	Samuel Küchler		Ok. You can also use the predefined functions: flipud()> vertical flip fliplr()> horizontal flip	Good	-	-	Ok. 3.b) Yes, but all elements in the array will be casted to a single common datatype.		Pass	
G3	Basil Rohr	Jan Ryser		Ok. The first question is missing! Rank = 3 Length along the dimensions: 480pixels heigth, 320pixels width, 3 RGB channels	Good	-	-	Ok. 3.b) Yes, but all elements in the array will be casted to a single common datatype.		Pass	
G4	Sophie Jochems	Katsiaryna Mlynchyk		Ok. For simplicity you can do this: plt.subplot(1, 3, 1) plt.imshow(img * [1, 0, 0]) plt.title("Red")	Good	-	-	Ok. 3.a) Aditionally, numpy arrays are more performant and efficient. 3.b) Yes, but all elements in the array will be casted to a single common datatype.		Pass	
G5	Luzian Scherrer	Andreas Hollenweger	Cyril Fischer	Good you can also use the predefined functions: flipud()> vertical flip flipir()> horizontal flip	Good. Using 1/(2*N) instead of 1/N doesn't fundamentally change the behavior of the loss function. It's simply a convention that simplifies the mathematics while achieving the same optimization goals.	-	-	Ok. 3.b) Yes, but all elements in the array will be casted to a single common datatype.		Pass	
G6	Luca Reber	Stefan Pretali	Joel Bachmann	Good	Ok. You should recompute theta using pytorch (torch.tensor(), torch.inverse()). As for mse_loss and h_theta functions, you can use the ones in the cell above.	-	-	Ok. 3.b) Yes, but all elements in the array will be casted to a single common datatype.		Pass	
G7	Jason Stäuble			Ok. we asked you to make one distortion at a time on the image.	Good	-	-	Ok. 1.c) This scenario is about discovering hidden patterns or structures in customer data without predefined labels. So, it is an unsupervised learning. 3.b) Yes, but all elements in the array will be casted to a single common datatype.		Pass	
G8	Rjano Ryser	Adrian Thür	Martin Oswald	Ok. you can also use the predefined functions: flipud()> vertical flip,	Good	-	-	Ok. 3.a) Aditionally, numpy arrays are more performant and efficient. 3.b) Yes, but all elements in the array will be casted to a single common datatype.		Pass	
G9	Pascal Alig	Raffael Alig		Nice work! PS: flipud> vertical flip flip!r> horizontal flip	Ok. Your MSE loss is incorrect, you should obtain a loss = 138034 94	-	-	Well done.		Pass	
G10	Selvin Blöchlinger	Philipp Lehnert	Colin Gubler	Good	Good.	-	-	Ok. 3.a) More importantly, numpy arrays are more performant and efficient. 3.b) Yes, but all elements in the array will be casted to a single common datatype.		Pass	
G11	Pascal Meyer	Ruwen Frick		Good. For simplicity you can do this: plt.subplot(1, 3, 1) plt.imshow(img * [1, 0, 0]) plt.title("Red")	Ok. Your MSE loss is incorrect, should be equal to 138034.94	-	-	Good. 3.b) Yes, but all elements in the array will be casted to a single common datatype.		Pass	
G12	Cristobal Perez	Roger Näf	Thomas Annen	Good.	Good.	-	-		Next time, don't put empty folders for optional exercices!	Pass	
G13	Andreas Kuhn	Milena Squindo		Your hflip result is false! you can use the predefined functions: flipud()> vertical flip flipir()> horizontal flip	Ok. You should obtain the same MSE loss as in Part2	File Load Error your notebook file is broken, it won't open!	-	Good.		Pass	
G14	Jonas Bilal			Good	Good.	-	-	Not submitted	Next time it will be a FAIL as ex7 isn't an optional exercise!	Pass	
G15	Carlo Grigioni	Christian Pala	Alessandro Centazzo	Good	Good. You should draw the linear regression line on top of the	_	_	Good. 3.b) I'll say yes, but all elements in the array will be casted to a single common		Pass	
G16	Fabian Merkli	Sven De Gasparo		OK. Your code is incorrect. You should do this: plt.subplot(1, 3, 1) plt.imshow(img *1,0,0)) plt.title("Red")	scatter plot! Good.	-	-	distatyre. Ob. Ch. Ch. Sh. And the interpretability are among the benefits of transforming a regression problem into a classification one. 2nd part of question 3.d) is missing! For square images. Shape attribute: (n, n), where n is the size of the square image (width = height). 3), where 3 represents the RGB channels.		Pass	
G17	Seraina Rebsamen	Vincent Stadler	Kimia Rabishokr	Ok	Ok. Detail: in function h_theta(),	-	-	Good		Pass	
G19	Shilpi Garg	Sadith Kuveju		2nd version submitted per mail Ok, but some errors in 1st version (in RGB components sub-plots)	Ok	-	-	3.a) There are other differences 3.b to 3.e) Not done	Please submit your solution on time on Cyberlearn.	Pass	
G20	David Kempf	Dominic Künzi		Ok	Ok	Good	-	2) You must discretize the continuous output (target) into classes 3.b) if all elements in the array are cast to a single common datatype, like Object.		Pass	
G21	Felix Saaro	Valentin Huber		See: https://stackoverflow.com/questio ns/44752962/how-to-correctly- display-red-green-and-blue-rgb- channels-of-an-image-with-py	Ok	-	-	3.b) Yes, if all elements in the array are cast to a single common datatype, like Object.		Pass	
G22	Rudolf Rüfenacht	Philip Vinding	David Kühnhanss	Ok See:	Ok	-	-	Explanations missing! 3.b) Yes, if all elements in the array are cast to a single common datatype, like Object.		Pass	
G23	Roberto Vicario			https://stackoverflow.com/questio ns/44752962/how-to-correctly- display-red-green-and-blue-rgb- channels-of-an-image-with-py	Ok	Good	Ok	Good		Pass	
G24	Honey Lane Ante	Zeynep Babur		Ok	Ok	-	-	Yes, if all elements in the array are cast to a single common datatype, like Object.		Pass	
G25	Joel Frieden	Maël Scheidegger		Only Scheidegger's notebook is entirely correct	Ok for both	-	-	Object. 3.b) Yes, if all elements in the array are cast to a single common datatype, like	Please submit only one solution per group!	Pass	
G26	Chia-Hua Yeh	Drilon shabani		Ok	Part 2 and 3 are missing!	-	-	2) How can we do that? 3.b) Yes, if all elements in the array are cast to a single common datatype, like Object.	Everrise 4 is one of the main	Pass	
G27 G28	Dave Brunner Mehmet Cihan Sakman	Sven Nievergelt Gave Colakožlu		Ok Ok	Ok	_	_	Ok 3.b) Yes, if all elements in the array are cast to a single common datatype, like		Pass	
G29	Gianluca Pargătzi			Ok See:	Ok	-	-	Object. 3.b) Yes, if all elements in the array are cast to a single common datatype, like Object.		Pass	
G30	Marius Lerf			https://stackoverflow.com/questio	Ok	-	-	3.b) Yes, if all elements in the array are cast to a single common datatype, like Object.		Pass	
G31	Merlin Brell			https://stackoverflow.com/questio ns/44752962/how-to-correctly- display-red-green-and-blue-rgb- channels-of-an-image-with-py	Ok	-	-	3.b) Yes, if all elements in the array are cast to a single common datatype, like Object.		Pass	
G32	David Zbinden			1st part Ok, 2nd part wrong, 3rd part missing! See: https://stackoverflow.com/questions/44752962/how-to-correctly-display-red-green-and-blue-rgb-channels-of-an-image-with-py	Missing exercise!	-	-	Missing exercise!		Fail	