Week 1 Discussion tree deter All Sectors Please post here any questions you might have during week 1. Search critics or author Unified Dans Editor As A 2.22 Diays and ident read Rouly's latest reply. He needed the list on LPM Netfol identifiers for distal members, in order to send out invitations to the Azura bilb methods. I send the list of UW Netfol identifiers for distal members, in order to send out invitations to the Azura bilb methods. I send the list of UW Netfol identifiers for distal members, in order to send out invitations to the Azura bilb methods. Used the list of UW Netfol identifiers for distal members, in order to send out invitations to the Azura bilb methods. I send the list of UW Netfol identifiers for Rudy a few minutes ago. He should have them set up by formore. I veil post an update temperors whenches. Select to Dans Datter Aux 1 2021 Everyone should have received their "Register for Lab - Deep Learning DSVM" invitation by now. You should be able to find it by visiting bittes. I John Laboratory of the library		
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Apr 6, 2021 Okay, so I didn't read Rudy's latest reply. He needed the list on UW NetId identifiers for class members, in order to send out invitations to the Azure lab machines. I sent the list of UW NetId identifiers to Rudy a few minutes ago. He should have them set up by tomorrow. I will post an update tomorrow aftermoon. Edited by <u>Dave DeBarr on Apr 8 at 1000pm</u> Ready. ② Chillies Dave DeBarr Apr 7, 2021 Everyone should have received their "Register for Lab - Deep Learning DSVM" invitation by now. You should be able to find it by visiting https://gmail.uw.edu Releah Acrona Apr 7, 2021 Hi Dave, I have not received any email in my UW gmail account, I checked the spam folder as well. Resdy. △ Chenwel Lin Apr 10, 2021 Hi Rajesh, Do you still fail to receive e-mails from UW account? if so, please contact UW-IT (24x7) https://fitconnect.uw.edu/help/ Thanks, Chenwei Releah Acrona Ealesh Acrona	← <u>Reply</u>	
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Hi Rajesh, Do you still fail to receive e-mails from UW account? if so, please contact UW-IT (24x7) https://itconnect.uw.edu/help/ Thanks, Chenwei Reply Rajesh Arora		
Do you still fail to receive e-mails from UW account? if so, please contact UW-IT (24x7) https://itconnect.uw.edu/help/ Thanks, Chenwei Reply 4		:
https://itconnect.uw.edu/help/ Thanks, Chenwei ← Reply	Hi Rajesh,	
Thanks, Chenwei ← Reply → Rajesh Arora	Do you still fail to receive e-mails from UW account? if so, please contact UW-IT (24x7)	
Chenwei ← Reply ᠿ Rajesh Arora	https://itconnect.uw.edu/help/	
Reply 3	Thanks,	
Reply 3		
O Rajesh Arora		
	Reply 3	
		:

6/11/2021 Topic: Week 1 Discussion

		Thanks Chenwei, UW IT was able to help me, I am all set now.	
		← Reply - C-	
0		Apr 7, 2021	:
		74.7,202.	
	I did not	receive the email.	
	\leftarrow Reply		
		Sandip Nath	:
	\circ \bigcirc	Apr 7, 2021	
	I got i	it in my mailbox on https://outlook.office365.com/mail/ signed in with sandipn@uw.edu	
	<u>← Re</u> r		
		Aeden Jameson	:
0		Apr 8, 2021	•
	162.10		
	I tried Sa	andip's suggestion using the email <u>aeden@uw.edu</u> and did NOT work. I received the error	
	•	Id: 0324b313-2e85-46b2-bccd-1c32d71c8e01	
		on Id: 11b712c5-a00b-43c7-bad1-41779f070e9e	
		np: 2021-04-08T20:27:28Z e: AADSTS90020: The SAML 1.1 Assertion is missing ImmutableID of the user.	
	Perhaps	that would be useful to the IT person that you're working with.	
	<u> Reply</u>	Control of the contro	
		<u>Dave DeBarr</u>	:
	$^{\circ}$	Apr 8, 2021	۰
	A = 0 =		
	AS Sa	andip mentions above, it's possible you're using Office 365 instead of Gmail for accessing mail.	
	Rudy	tells me you can find out whether you're using Office 365 or Gmail by visiting:	
	https	:://uwnetid.washington.edu/manage/?forward	
	<u> </u>	<u>All All All All All All All All All All</u>	
	0	Aeden Jameson	:
		Apr 9, 2021	
	I tı	ried signing in but get this error. Who do I need to call? This has gone on for several days now and I would like to get this resolved.	The
		ack and forth on the discussion board isn't working.	
		Microsoft	
		η, but we're having trouble signing you in.	
		STS90020: The SAML 1.1 Assertion is missing ImmutableID of the user.	
		oubleshooting details	
		you contact your administrator, send this info to them.	
		<u>opy info to clipboard</u>	
		equest ld: 6340512f-caa4-404f-86a8-142d99580e00	
		prrelation ld: 1f81d06d-4f15-48dd-a0f3-5117ee1db10c	
		mestamp: 2021-04-10T00:24:47Z essage: AADSTS90020: The SAML 1.1 Assertion is missing ImmutableID of the user.	
		ag sign-in errors for review: <u>Enable flagging</u>	
	, ,	<u> </u>	

If you plan on getting help for this problem, enable flagging and try to reproduce the error within 20 minutes. Flagged events make diagnostics available and are raised to admin attention. Edited by Aeden Jameson on Apr 9 at 5:29pm **Dave DeBarr** 0 Apr 9, 2021 Hi Aeden, When are you encountering this error? Let's suppose it's happening when you're trying to access Office 365. Is this because you're trying to access your email? Did you navigate to https://uwnetid.washington.edu/manage (Links to an external site.) to verify that your email is going to Office 365? Thanks. Dave ← Reply 🖒 Aeden Jameson 0 Apr 9, 2021 re: https://uwnetid.washington.edu/manage/?forward and "When are you encountering this error?" I did check this and the emails were forwarded to Aeden.jameson@gmail. The email from rudy was in spam. I then did the following. 1. Click on "Register for the lab" in the email 2. I'm redirected to a login page where I enter "aeden@uw.edu" and my password 3. I then get the message posted above. Does the email have to go to aeden@uw.edu and or do I need an Office 365 account? These are the current settings. 0 Recovery: None established UW Office 365 ID: Sign up now UW G Suite ID: aeden@uw.edu UW Email: Forwarded to aeden.jameson@gmail.com MyUW.net Email: Forwarded to aeden.jameson@gmail.com ¹For security reasons, the office of UW Internal Audits recommends you change passwords every 90 days. Screen Shot 2021-04-02 at 3.09.50 PM.png ← Reply 🖒 SHOW MORE 2 **2**



Abhijit Majumdar

Apr 7, 2021

Hello Everyone, is anyone having trouble downloading the kaggle.json file (with the API key)? When I click on the "Create New API Token" (within the Account tab), the json file is not downloading (although I am receiving the message that asks me to move the file into the Kaggle folder).

	I believe the file is supposed to download into the Downloads folder, but I tried it on my Mac and my windows machine (using chrome, safari and edge) without any luck.	i, brave
	Is anyone else facing this issue?	
	$\leftarrow \frac{\text{Reply}}{3}$ (1 like)	
0	Dave DeBarr Apr 7, 2021	e e
	If you clicked on the "Create New API Token" button using Edge on Windows, what happens if you click Control+J [press and hold the cokey; press and release the 'j' key; then release the control key] and enter kaggle.json into the search box?	ontrol
0	Sandip Nath Apr 7, 2021	0 0
	Same. There is nothing downloading. I changed browser, machine - no avail.	
	Ctrl-J download list does not have kaggle.json Edited by Sandip Nath on Apr 7 at 6:36pm	
	← Reply C3	
0	Soo Lee Apr 7, 2021	0 0 0
	Same. I have trouble downloading, too.	
	← Reply	
	O Dave DeBarr Apr 7, 2021	0 0 0
	Sounds like your browser has a security setting that is preventing the download.	
	How would you feel about using fiddler to capture your key when it queries it from www.kaggle.com/api/token?	
	Maybe we have to setup a time where I rent a Windows VM for a few hours so folks can download their token?	
	I'll check with our sysadmin to see if he knows of a solution.	
	← <u>Reply</u> 台	
	O Dave DeBarr Apr 7, 2021	0 0 0
	It's possible that clicking the lock icon to the left of the url and selecting allow permissions will help, but I have my doubts if this is managed by an organization.	
	← <u>Reply</u> -	
	O Dave DeBarr Apr 8, 2021	0 0 0
	It also seems possible that Kaggle may have just released a bug that affects the ability to create the kaggle.json file in your Downloads folder. If so, hopefully they will fix this soon, as it would be better to download larger datasets directly to your VM.	
	For now, perhaps the simplest alternative would be to download the data to your local host, then upload it to your VM.	
	After you have accepted the Kaggle invitation (using the URL in the assignment):	
	 navigate to https://www.kaggle.com/c/ml530-2021-sp-mnist/data 	

- Topic: Week 1 Discussion

 scroll down to the bottom of the page
 click the "Download All" button

 From a command line, use putty to upload the zip file to your VM:

 "C:\Program Files (x86)\PuTTY\pscp.exe" -P YourPortNumber ml530-2021-sp-mnist.zip deeplearning@YourHostName

 [pscp (PuTTY's secure file copy) could be located in "C:\Program Files\PuTTY\pscp.exe"]

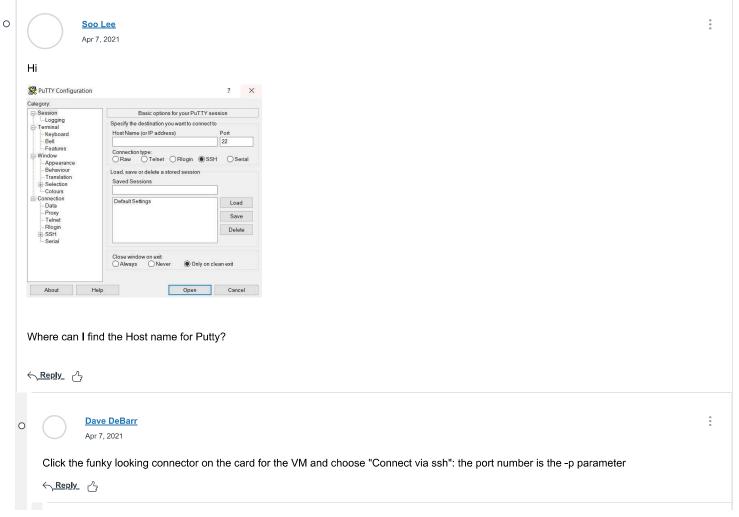
 After you have created predictions.csv on your VM, use putty to download the csv file from your VM:

 "C:\Program Files (x86)\PuTTY\pscp.exe" -P YourPortNumber deeplearning@YourHostName:/path/to/predictions.csv predictions.csv

 Navigate back to https://www.kaggle.com/c/ml530-2021-sp-mnist and use the "Submit Predictions" button to upload your predictions.

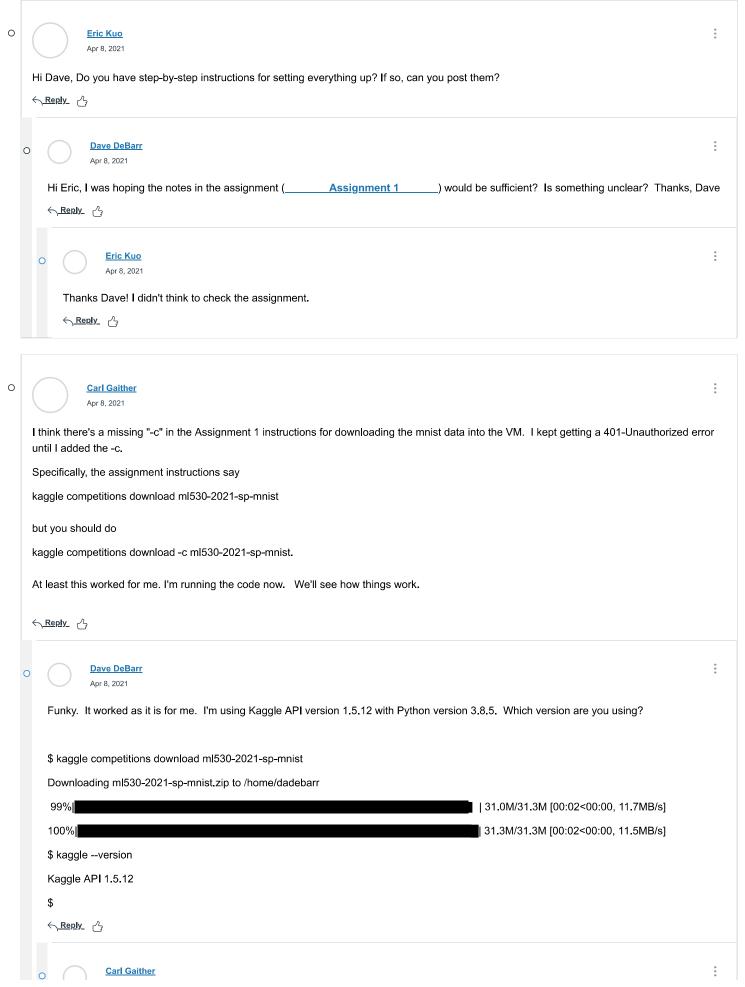
 Reply. 2

 Benjamin Johnson
 Apr 8, 2021



0

O Soo Lee Apr 7, 2021	
I figured out what the port number is. Thanks!!!	
← Reply	
Sandip Nath Apr 7, 2021	0 0 0
I created a new kaggle account using the uw account. I had joined the competition and tried to get the kaggle.json. Everything was fine till for so reason I decided to verify my phone number.	ome
Kaggle detected that it is a duplicate phone number, matching with that from my existing Kaggle account (based on a gmail address), and insta blocked the uw account.	ntly
I have put a request for support but have serious doubts that it will be resolved any time soon. Edited by <u>Sandip Nath</u> on Apr 7 at 9:52pm	
← Reply 🖒	
O Dave DeBarr Apr 7, 2021	0 0
If you can't use your UW account, just use your other account.	
← <u>Reply</u>	
O Rajesh Arora Apr 8, 2021	•
Hi Chenwei, Dave, I have an issue with my UW email account (rarora2@uw.edu). For some reason no emails are coming to this account When you send something to this account, you get a delivery failure. However, I can logon into this account and send emails. For this reason I did not get the invitation to access Azure lab machine. Is there way for me to get in touch with UW tech folks to get this resolved Edited by Rajesh Arora on Apr 8 at 6:33pm	
← <u>Reply</u>	
O Rajesh Arora Apr 9, 2021	
Hi Chenwei, Dave, I called UW tech help to get my email account fixed. Since it is working now, would it be possible for you to resent the invitation to get Azure access?	d
←,Reply (3)	
O Dave DeBarr Apr 9, 2021	•
I asked Rudy to resend the invitation.	
Dave	
← <u>Reply</u>	
Rajesh Arora Apr 12, 2021	•
Thanks Dave. I have received the invitation, I am all set now. Thanks again for your help.	
← <u>Reply</u> ←	



Apr 9, 2021

I'm using Kaggle API 1.5.12 (checked with kaggle --version) and whatever Python is installed in the VM. But at least everything worked. At some point during the course it will become clear what's going on.



0

Aeden Jameson

Apr 9, 2021

I have a general question, why is the content not organized, imho, as clearly as the other classes have been? For example, below is an example of the last class and every other class I've taken. The content and topics were clearly laid out and there was no need to visit another site. Just my two cents.

MLEARN 520 A Wi 21: Advanced Machine Learning At



Part 1

Week 1

Introduction to

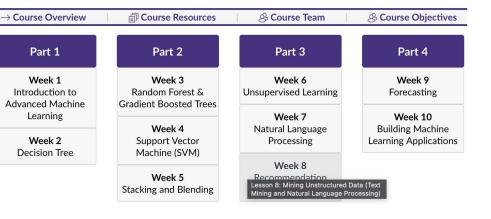
Learning

Week 2

Decision Tree

Welcome & Get to Know Your

Course



Miles View Course Stream **3** View Course Calendar Q View Course Notifications

To Do

Nothing for now

Recent Feedback

- End-of-Course Survey 1 out of 1
- Lesson 09 Knowledge Check 3 out of 5
- Lesson 09 Discussion

2 more

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← Reply / (2 likes)

0

Dave DeBarr Apr 9, 2021

Hi Aeden,

For what it's worth: I'm sorry you don't feel the course content is well organized.

I did cover an analogous outline when reviewing the syllabus with the class.

Please contat help@uw.edu to work out the login issue.

Thanks,

Dave

←<u>Reply</u> と

6/11/2021 Topic: Week 1 Discussion



While I agree with you that having the topic for each week laid out within the course's Canvas home page would be nice, I think the overview of topics for each week were discussed during the syllabus overview:

- 1. Review of machine learning basics and the extension to multi-layer perceptrons ("deep" means many layers)
- 2. Introduction: Chapter 1 and 2 from DLP
- 3. Fundamentals: Chapters 3 and 4 from DLP
- 4. ConvNets: Chapters 1 and 10 from DLI
- 5. ConvNets: Chapter 5 from DLP [transfer learning part one]
- 6. Embeddings and Sequences: Chapters 2 and 11 from DLI
- 7. Embeddings and Sequences: Chapter 6 from DLP
- 8. Transformers and Sequence-to-Sequence Models [transfer learning part two]
- 9. Generative Models: Chapters 3 and 12 from DLI; Chapter 8 from DLP
- 10. Deep Reinforcement Learning: Chapters 4 and 13 from DLI

And comparing it to the previous course, I honestly value much more that the instructor is engaged in the discussions after class.





Aeden Jameson Apr 11, 2021

My observation wasn't merely about whether some table of contents was covered and put somewhere at some point. Every other class, that I've taken at least, has managed to have the weeks also reasonably and consistently organized within canvas. I don't need to personally like it, but consistency of the logistics and content organization goes a long way week over week and class over class when time is a premium; work, class and whatever other responsibilities one may have. All the logistics take away from the value. In addition to the initial deviation in content organization the link to the zoom meeting was in some pdf and then I received a meeting id that didn't work. Every other class has managed to have the link in the Zoom section of the course.

None the less, I'm sure it'll be fine and we'll all get through it.

Edited by Aeden Jameson on Apr 11 at 10:22am



0

Luis Garduno

Apr 11, 2021

Yep, I agree that courses should try to have the same or similar format/logistics. What I've seen in general with all of the courses in this certificate is that it doesn't seem like they had the input from an instructional designer (or maybe they had initially and were not reviewed again), consistency in their format would just be one thing, but there are other areas that I think are missing. Anyways, I've passed some of my feedback on the previous courses to the certificate's program manager, Piyu Roy (piyuroy@uw.edu), in case you want to share yours.

Reply ⟨S





Siri Sadashiva Apr 10, 2021

Hi Dave/Chenwei,

I still have not received any email (opened the outlook and gmail). I have set the UW Forward to UW Office 365.

Please let me know whom to contact

Thank you

/2021	Topic: Week 1 Discussion	
Edited by <u>Siri Sadashiva</u> on Apr 1	0 at 5:28pm	
← Reply		
Aeden Jameson Apr 11, 2021	· · · · · · · · · · · · · · · · · · ·	
may want to check the Office 365 ID is enable	so from my experience so far it doesn't matter where you receive the email. So wherever you were receiving email you spam folder unless of course you previous had forwarding set to "stopped." You will at least want to be sure that UW d under https://uwnetid.washington.edu/manage/?settings This appears to be required in order for the SSO soft and the UW to work. Apr 11 at 10:36am	
← Reply		
Glen A Frison Apr 11, 2021		
How do we turn in the ans	wer to the question in the homework?	
← Reply (²)		
O Dave DeBarr Apr 11, 2021	:	
	corner of the assignment, you should see a button labeled "Start Assignment." You should then see tabs at the bottom led "File Upload" and "Text Entry". Either should be fine.	
← Reply 스		
Andrew Fele	lman :	
• •	ation - there are two components, the several-part Question 1 & the Kaggle task in which we are asked to ultimately	

you described, and (2) submitted my predictions.csv to Kaggle for the second part. Is that it? Do I need to also submit my predictions.csv using the "File Upload" button? Am I done once I see myself on the Kaggle leaderboard?

← Reply 🖒



Dave DeBarr

There is no need to upload predictions.csv to canvas. Please just include your display name in what you upload to canvas. Thanks!

← Reply 💍



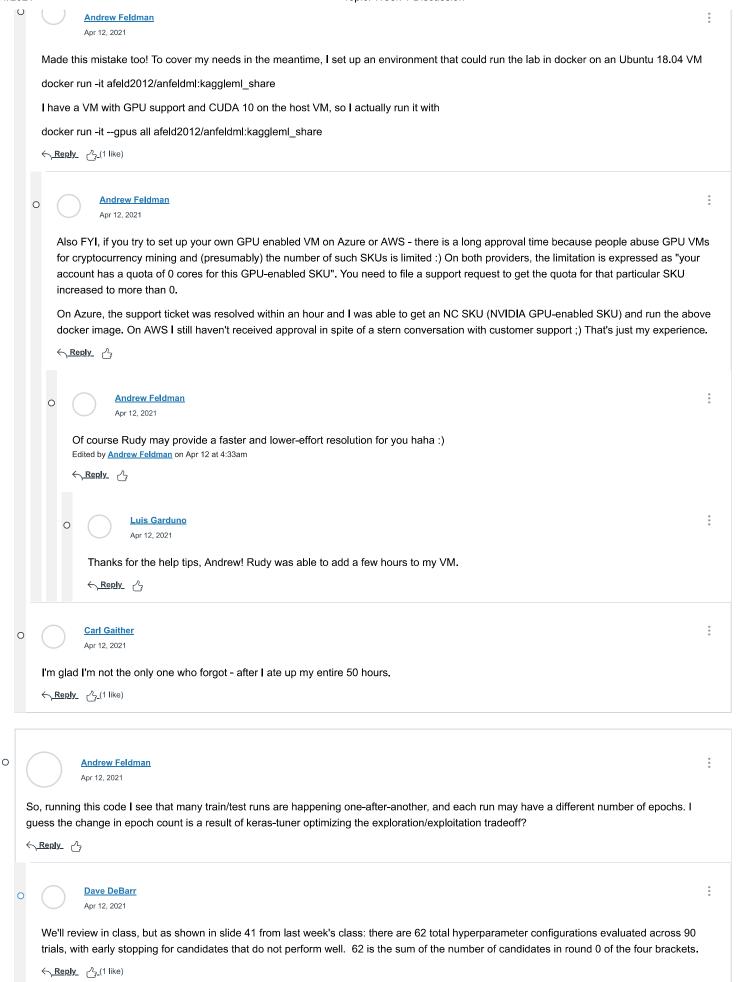
Luis Garduno Apr 11, 2021

I did not have the registering issues that other people had, but I forgot to stop the VM after first setting everything up and now I cannot use it :\

I'm waiting to get help from Rudy, but I just wanted to share it so you don't make the same mistake, make sure you stop your VM when not using it :)

← Reply -

:







Hey Dave,

I know I asked a version of this question in-class, but I was curious if you can give any additional feedback. What types of ML/DS positions is it reasonable to apply for after completing this program? Has anything that may be crucial during a job search been left out of the program? If so, what else should be thoroughly covered?

Thank you,

Alex

Edited by Alex Alimov on Apr 13 at 4:56pm

← Reply (1 like)



I *think* you should be able to get any job where the goal is to "solve a kaggle-like task"; i.e. given a data set and a model evaluation metric, I would expect you to be able to solve the problem with an approximation to a state-of-the-art solution in a "reasonable" amount of time [where "reasonable" depends on your familiarity with the resources used in our work environment].

Look at the currently active kaggle competitions: Kaggle Competitions

Those are real tasks, where folks are willing to pay some money to get a solution.

If folks needed new research to be able to solve their task, chances are decent that they won't be posting their new research problem to kaggle. If you'd like to get a job developing new learning methods (i.e. research), you're probably going to need the PhD degree; but if you just want to apply state-of-the-art (existing solutions that make it to the "top of the leaderboard"), then having a master's degree or a certificate is probably sufficient [with the master's degree candidates perhaps having a bit of an edge over the certificate candidates, with the trade-off being the master's degree candidates also probably cost a bit more].

When I interview someone, I typically want to understand why the change in direction [if you've been working in some other problem space]; and I'll ask detailed questions to gauge your interest in understanding/applying state of the art solutions.

Usually I only get to ask 3 questions:

- 1) walk me through a project where you created and evaluated a machine learning model: I'm going to ask lots of questions about why you made the decisions that you made, and how well you explored alternatives.
- 2) a simple coding question, usually something involving estimating uncertainty for the evaluation metric from the previous problem: I just don't want to be surprised when you finally join the team and say "Coding? I don't do coding." I am willing to provide guidance on how to do it. My expectations for your knowledge will depend on the "level" of the position you're interviewing for.
- 3) literally I'll pose a kaggle question [probably]: I want to know what it would be like to brainstorm a solution to a realistic-ish problem with you.

Note: some folks ask funky coding questions during the interview process (e.g. <u>LeetCode - The World's Leading Online Programming</u>

<u>Learning Platform</u> "medium" problems). For what it's worth: I've never had to solve the longest common subsequence problem at work, but

	mix of computer science folks involved in our field means some folks may want to test your coding/algorithm skills too. ed by Dave DeBarr on Apr 13 at 11:46pm	
<u>←</u> _1	Reply (2 likes)	
0	Alex Alimov May 21, 2021	
	Thank you very much!	
	← Reply 🖒	