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I have a d	lata frame named DATA with the following variables: student_id, grade, gender, logins, comments. What code would
	eate a data frame containing only student_id and logins?
gather(r(DATA\$student_id, DATA\$logins)
	filter(DATA, student_id, logins)
	unite(DATA, student_id, logins, sep = ",")
	select(DATA, student_id, logins)
иргутс	Scient DATA, Student_ut, loging)
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I alitha be	as anonymized a data set by replacing student names with a variable called "student_id". "student_id" is a random
	given to each student, what class of variable should "student_id" be in R?
numeri	ic .
vector	
factor	
polyno	omial
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Which R package (library) would you utilize to group students by grade, and produce the average test score for each grade? dplyr rpart ggplot2 These page timer metrics will not be displayed to the recipient. First Click: 0 seconds Last Click: 0 seconds Page Submit: 0 seconds Click Count: 0 clicks DF1 DF2 measures 1 A1 67 points.1 2 B4 45 3 C1 68 points.1 4 D2 points.1 80 5 E6 44 points.1 80 66 points.2 id points.f points.2 badges.f badges.2 70 1 A1 9 D2 78 points.2 2 B4 45 66 3 C1 68 70 11 A1 badges.1 4 D2 80 78 12 B4 5 E6 13 C1 60 badges.1 14 D2 15 E6 badges.1 17 B4 badges.2 18 C1 19 D2 badges.2 What is the R code to convert DF1 into DF2? 4 These page timer metrics will not be displayed to the recipient. First Click: 0 seconds Last Click: 0 seconds Page Submit: 0 seconds Click Count: 0 clicks 5 A "tidy" data set is one in which:

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	unt: 0 clic	ks				
						in Europe. You are excited about it and decide to immediately upload it ir ument to binary operator". What might be the most likley cause?
Soi	ne charac	ter variables	s have be	en mislabeled a	as numeric	variables
O The	e file was r	not a .csv file	е			
				e decimal place		
You	used the	code "read	.table()" in	istead of "read.	csv()"	
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						into two descendant nodes
The			.o a.go	400,400 to 0	J a a	
		which the me	odel break	ks down		
_ The	point at v					
The	e point at v	which the mo	nerate a r		ion to use	
The	e point at v	which the mo	nerate a r	new tree	ion to use	
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These prints Click Co.	e point at v e threshold hage time ck: 0 seco ck: 0 seco ubmit: 0 se unt: 0 clic id A B	which the mediused to get discount to describe whether the medius with the med	levels	engagement 22 23 15 28	friends 2 3 5 2	nt.

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What is re	ecursive partitioning?
Back-p	propagation in neural networks
When	each leaf in a decision tree may be split an indefinite number of times
	each leaf in a a decision tree uses the same splitting criterion
When	each leaf in a decision tree is dependent on the previous leaf
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n Social I	Network Analysis, why is an ego network useful?
_	
	se large networks are inherently unstable and small networks are not
	se students are very self interested
	se large networks can obscure important relationships between individuals
becau	se smaller networks take less time analyze
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1	4	What are the main two families of approach to finding subgroup structure in Social Networks? Bottom up and top down Density and degree Cliques and neighborhoods The right way and the wrong way	
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1	5	Define the term maximal complete sub-graph	
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1(6	You have created an igraph object called "g". What is the R code to extract the the size of the largest clique in the graph?	
		These page timer metrics will not be displayed to the recipient. First Click: 0 seconds Last Click: 0 seconds Page Submit: 0 seconds Click Count: 0 clicks	
1	7	Natural Language Processing utilizes a "bag of words" approach. This refers to: The ways that words are grouped (bagged) to infer meaning from a text That grammar and word order are disregarded That students who study NLP have bags under their eyes from lack of sleep That grammar and syntax can be used to predict the meaning of sentences	

2	What is a Term Frequency Inverse Document Frequency and what does it tell us about a corpus?
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23	What is the R code to generate a Term Frequency Inverse Document Frequency from a Document Term Matrix named "dtm"?
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24	Describe three uses for NLP in educational settings
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5	Describe a possible danger with the application of NLP to educational data
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	student	session	score [‡]
1	Α	1	24
2	Α	2	1
3	Α	3	15
4	В	1	23
5	В	2	7
6	В	3	10
7	С	1	7
8	С	2	5
9	С	3	13
10	D	1	13
11	D	2	12
12	D	3	5

Referring to the data frame above, using the R package (library) ggplot2, what is the R code to generate a line graph where each students' score changes are visualized as their own line on a single panel?

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In neural networks, what is the delta rule?

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In neural networks, what is the purpose of back-propagagtion?

- To generate the most accurate prediction of the output layer
- To train the hidden layer to better predict the output of the input layer
- To adjust the weights on the synapses to improve prediction accuracy
- To create artificial intelligence

1	
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29	What benefits do you believe artificial intelligence might bring to education?
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:31	What dangers do you foresee with greater use of artificial intelligence in educational settings?
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