The student ID of the student whose paper you are grading *

24	.9	78	316	58

Со	mpleteness of	f report	*				
~	Provided kernel	density pl	ots for temp	perature			
~	Provided Loess	plots for t	emperature	against hur	midity		
~	Discussed data	cleaning f	or the lingu	istic data			
✓	Investigated two	survey q	uestions in	terms of ge	ography an	d one anot	her
~	Discussed dime	nsion redu	ıction (e.g.	PCA)			
✓	Discussed cluste	ering the s	survey respo	ondents			
~	Assessed robus	tness of a	finding				
~	Provided code n the report)	ecessary [.]	to recompil	e the report	(even if you	u didn't ma	nage to recompile
Rea	adability of rep	oort (5 p	oints) *				
		1	2	3	4	5	
	rrative unclear d/or difficult to read		0	0	0	•	Narrative very clear and/or easy to read
Gra	ammar of repo	ort (5 po	ints) *				
		1	2	3	4	5	
Ind	correct written grammar pervasive	0	0	0	\circ		Excellent written grammar

Analysis: redwood trees

In this section you will assess the actual analysis using kernel density estimation and loess on the redwood trees data.

Detail of kernel d	ensity estimation	analysis ((3 points) *
--------------------	-------------------	------------	-----------	-----

	0	1	2	3	
Did not explore different bandwidths or kernels					Explored a variety of bandwidths and kernels and clearly related these to the bias-
					variance-tradeoff

Relevance and quality of figures related to kernel density estimation (3 points) *

	0	1	2	3	
Did not provide any figures	0		0		Provided clear, relevant and visually appealing figures

Discuss one (or more) things that you liked about the author's kernel density estimation figures *

The plots are clear and the points are evident.

Discuss one (or more) things that could be improved for the author's kernel density estimation figures *

Should the histograms have been smoothed with the bandwidth? Plot titles would be nice.

Detail of loess sn	noothing	analysis (3 ր	ooints) *		
	0	1	2	3	
Did not conduct an analysis using a loess smoother	0				Explored a variety of bandwidths and polynomials and clearly related these to the bias- variance-tradeoff
Relevance and qu	uality of fi	gures relate	d to loess s	moothing	(3 points) *
	0	1	2	3	
Did not provide any figures	0	0	0		Provided clear, relevant and visually appealing figures
Discuss one (or r *	·		liked about	the autho	r's loess figures
Discuss one (or r	nore) thin	gs that coul	ld be improv	ed for the	e author's loess
You could perhaps go	-	-			-

Analysis: linguistic survey

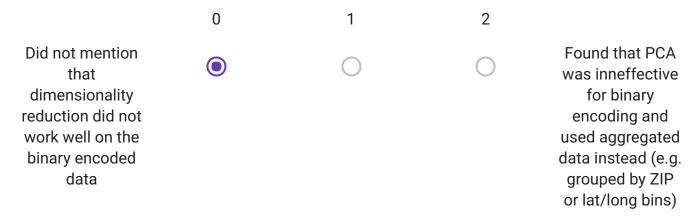
Level of detail in	the writter	n comparisc	n betwee	en two quest	ions (3 points) *
	1	2		3	
Little detail (barely described the relationships between the two questions)					Very detailed (described clearly the geographical groups formed by each question and discussed how the questions were related to one another)
Optional comme	nts about a	author's ana	alysis of t	he two ques	tions
Quality and relev *	ance of fig	ures (e.g. m	naps) for	the two ques	stions (3 points)
	0	1	2	3	
Did not provide figures	0	0	0		Provided clear, informative, and visually appealing figures
Discuss one (or ı	more) thing	gs that you	liked abo	ut the autho	r's figure(s) *
		•			

I liked that the plots were cleaned from axes and other miscellaneous ggplot relics that would have detracted from the simple and clean plot.

Discuss one (or more)	things that could	l have been i	improved for	the author's
figure(s) *				

The legend bubbles could be bigger to make it easier to see which color corresponds to which label.

Discovered that the binary encoding should be aggregated (e.g. in lat-long bins) in order to perform meaningful PCA (or other dimensionality reduction technique) (2 points) *



Discussed clustering and related these clustering results to geography (3 points) (note: deduct a point if the author used lat/long as a variable in their cluster algorithm) *

	0	1	2	3	
Did not discuss clustering					Discussed in detail the clusters found in the data and how they related to geography
					geography

Optional comments on cluster analysis

Quanty	and relevance	of figures	related to c	dustering ar	ia geograpny (3	
points)	*					
	n		1	2	3	

Provided clear, No figures informative, and provided visually appealing figures

Discuss one (or more) things you liked about the author's clustering figures

Plotting the distribution of responses to questions with the highest PCA loadings was a clever idea.

Discuss one (or more) things that could be improved for the author's clustering figures *

The non "y'all" or "you guys" responses get drowned out in Figure 9(B).

Analyzed the robustness/stability of a finding (3 points) (give partial points if the author showed stability only by re-running K-means without perturbing the data) *

0 3 1 2 Tested in detail Did not study the robustness of robustness their finding (e.g. using repeated data perturbations, subsamples, or bootstrapped samples)

Bonus point for a	particularly cool	visualization (i.e.	not just scatter	points
on a map) (1 bonu	ıs point)			

	_
100	/ 1

The author made a really creative map!

Bonus point for a particularly cool analysis (i.e. answering a question of the data not required by the lab) (1 bonus point)

	The	author	performed	а	really	creative	analysis
--	-----	--------	-----------	---	--------	----------	----------

Reproducibility

In this section you will assess the reproducibility of the your peer's report. Be sure to take note of any extra README files that explain any extra steps you might need to take to recompile the report. If they have saved their figures in a separate folder, check to see whether there is a script that will automatically produce AND SAVE their figures. If not, take a point off for reproducibility.

Several people will have saved a large file (probably geocoded locations) and used this file in analysis. This is fine if they also provided clear instructions concerning how the reviewer could reproduce this file in an automated way (e.g. by running an R script or calling a function). If they rely on such a file but do not provide instructions about how one could reproduce this file, then take a point off for reproducibility. You do not need to actually regenerate this file.

Reproducibility	of	report	(4	points) 🔻
-----------------	----	--------	----	--------	-----

	1	2	3	4	
Could not recompile the report			0		Could recompile the report and figures without manual effort and got the same output as provided in the
report					manual ef and got the output a

If you could not recompile the repo	rt, or got diffe	erent output, o	explain what
went wrong			

J								
-								
Readability of co	de (4 poin	ts) - be sure	e to look a	at any files in	the R/ folder *			
	1	2	3	4				
Code very difficult to read with little documentation	0	0	0		Code easy to read with clear documentation			
Suggestions to ir comments) *	Suggestions to improve code (either provide specific examples or general comments) *							
I think the code could	l benefit from	n compartmer	talizing sec	tions better.				
Clarity of folder structure (2 points) *								
	0		1	2				
Many excess files not relevant to the report					The purpose of each file is clear and there are no excess files in the lab2 folder			
Optional suggestions for improving folder structure								

Concluding remarks

In this section you will provide some general feedback to the author.

One or more things that you liked about the report overall *

The linked brushing interactive plot is awesome.

One or more things that could be improved upon *

Some of the analyses could have been expanded upon.

Any other comments that you would like to add?

Really solid report c:

This form was created inside of UC Berkeley.

Google Forms