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

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Co	mpleteness o	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 questions in terms of geography and one another							
✓	Discussed dimension reduction (e.g. PCA)							
✓	Discussed clust	ering the s	survey respo	ondents				
~	Assessed robus	tness of a	finding					
✓	Provided code necessary to recompile the report (even if you didn't manage to recompile the report)							
Rea	adability of re	port (5 p	ooints) *					
		1	2	3	4	5		
	rrative unclear d/or difficult to read	0	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	•	0	Excellent written grammar	

Analysis: redwood trees

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

nees uata.					
Detail of kernel of	density est	imation and	alysis (3 poi	nts) *	
	0	1	2	3	
Did not explore different bandwidths or kernels	0				Explored a variety of bandwidths and kernels and clearly related these to the bias- variance-tradeoff
Relevance and q points) *	uality of fi	gures relate	d to kernel	density est	timation (3
	0	1	2	3	
Did not provide any figures	0				Provided clear, relevant and visually appealing figures
Discuss one (or estimation figure	•	gs that you	liked about	the author	r's kernel density
The plots are clean a	and neat.				
Discuss one (or density estimation	•	•	ld be impro	ved for the	author's kernel

Should replace the default variable name with appropriate labels.

Detail of loess sr	noothing	analysis (3 p	ooints) *		
	0	1	2	3	
Did not conduct an analysis using a loess smoother	0		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	Provided clear, relevant and visually appealing figures
Discuss one (or r	·		liked about	the author	r's loess figures
					-
Discuss one (or r figures *	·	ngs that coul	d be impro	ved for the	author's loess
Could be IIIOIE VISUAI	iy picasaiil.				-

Analysis: linguistic survey

Level of detail in	the writter	n comparison b	etween two qu	estions (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 analys	is of the two qu	uestions
Only one question?				
Quality and relev *	ance of fig	ures (e.g. map	s) for the two o	μuestions (3 points)
Did not provide figures	0			Provided clear, informative, and visually appealing figures
Discuss one (or i	more) thing	gs that you like	d about the aut	thor's figure(s) *
Used separate figure	s for differen	t answers.		
			ave been impro	oved for the author's
The aggregated figur	e (Figure 3) c	ould be more neat		

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) *

	0	•	1	2	
Did not mention that dimensionality reduction did not work well on the binary encoded data					Found that PCA was inneffective for binary encoding and used aggregated data instead (e.g. grouped by ZIP or lat/long bins)
Discussed cluston points) (note: de cluster algorithm	duct a poi		_		geography (3 a variable in their
	0	1	2	3	
Did not discuss clustering Optional comme	ents on clus	O ster analysi	S		Discussed in detail the clusters found in the data and how they related to geography
Quality and releve points) *	vance of fig	jures relate	d to cluster 2	ing and ge	ography (3
No figures provided	0			0	Provided clear, informative, and visually appealing figures

Discuss one (or *	more) thin	gs you liked	about the a	author's c	ustering figures
Detailed comparisor	1.				
Discuss one (or clustering figure	•	gs that coul	d be improv	ed for the	e author's
Could use better visi	ualization too	ls (colors)			
Analyzed the robif the author shouther the data) *	wed stabil	ity only by r	e-running K-	means w	•
	0	1	2	3	
Did not study robustness					Tested in detail the robustness o their finding (e.g using repeated data perturbations, subsamples, or bootstrapped samples)
Bonus point for on a map) (1 boo	-	rly cool visu	alization (i.	e. not just	scatter points
The author mad	le a really crea	ative map!			
Bonus point for data not required	•		.`	swering a	a question of the
The author perf	ormed a reall	y creative anal	ysis!		

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 o	of report (4	1 points) *			
	1	2	3	4	
Could not recompile the report					Could recompile the report and figures without manual effort and got the same output as provided in the original pdf
If you could not i went wrong	recompile	the report, o	or got differe	ent output	, explain what
Didn't include the .R/	folder				
Readability of co	de (4 poir	nts) - be sure	to look at a	any files in	the R/ folder *
	1	2	3	4	
Code very difficult to read with little documentation		0			Code easy to read with clear documentation

Suggestions to improve c	ode (either	provide	specific	examples	or	general
comments) *						

use <- instead of = for variable assignment.

Clarity of folder structure (2	2	points)	*
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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 *

Clear structure.

One or more things that could be improved upon *

Plots could use more decoration.

Any other comments that you would like to add?

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