Capstone Data Analysis Biostatistics	Project – P	reliminary	Data Analysis	
Name: Esteban Ramirez			Score = 20 /25	
Submitted on time?	Y	(N	
GENERAL REQUIREMENTS (10 POINTS):				
Element	Points	Score	Feedback	
Effective git/GitHub	1	1		
Well-organized	1	1		
Strong commentary outside of code chunks	3	2	Keep working on this	
Effective use of comments within code chunks	2	1	I didn't see many at all	
Code provides correct values and reduces "human intervention"	2	2		
Link on Canvas	1	1		
STATISTICAL ANALYSES (15 POINTS): Took initiative to learn new methods as appropriate Generally followed the our workflow: Plot -> Guess -> Create model -> Check assumptions -> Interpret -> Final plot				
Statistical analysis 1:				
Question: does effect of cardiovascular death rate on covid deaths depend on phase of epidemic? (that's the ANCOVA way to state question)				
Workflow checklist				
1. Plot data 2. Guess relationships				
3. Create model: 3 separate regressions - should be ANCOVA				
	model?			
4. Check model assumptions, if needed 6. Replot				
5. Interpret model 7. Clear results statement				
Interpretation is correct In prose				
			Outside of code chunk	

Capstone Data Analysis Project – Preliminary Data Analysis Biostatistics

Statistical analysis 2:				
Question: Do countries with higher human devel	opment index have lower covid case rates?			
Workflow checklist				
1. Plot data	2. Guess relationships			
3. Create model: linear regression				
Correct model?				
4. Check model assumptions, if needed	У 6. Replot			
5. Interpret model	7. Clear results statement			
Interpretation is correct	✓ In prose			
	Outside of code chunk			
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Statistical analysis 3:				
Question: Do coutnries with higher median age (i.e. "older" populations) have higher covid death rates?				
Workflow checklist				
1. Plot data	2. Guess relationships			
3. Create model: linear regression				
Correct model?				
4. Check model assumptions, if needed	✓ 6. Replot			
5. Interpret model	7. Clear results statement			
Interpretation is correct	✓ In prose			
	Outside of code chunk			
Additional feedback Overall good, but I think you need to consider your data a bit more. It doesn't seem plausible to me that there are actually countries with no covid deaths, so I think you should filter the countries with 0 for your response variable out before running your analysis. Work to bring in scientific interpretation of your results. Do they make sense biologically? See prelim-analysis-feedback.qmd for more.				