Capstone Data Analysis Biostatistics	Project – P	reliminary	Data Analysis	
Name: Alexis Parent			Score = 19 /25	
Submitted on time?	Y	(N	
GENERAL REQUIRE	MENTS (1	POINTS	S):	
Element	Points	Score	Feedback	
Effective git/GitHub	1	1		
Well-organized	1	1		
Strong commentary outside of code chunks	3	2.5		
Effective use of comments within code chunks	2	1.5		
Code provides correct values and reduces "human intervention"	2	2		
Link on Canvas	1	1		
Generally follow	o learn nev	v methods r workflov	s as appropriate v: del -> Check assumptions -> Interpret -> Final plot	
Statistical analysis 1:				
Question: Does MAG	OM char	ige as a	function of years between soil rotation?	
Workflow checklist				
1. Plot data 2. Guess relationships				
3. Create model: 1-way anova (which is a form of lm) - but backwards				
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	

Capstone Data Analysis Project – Preliminary Data Analysis Biostatistics

Statistical analysis 2:				
Question: Does POM change as a function of soil rotation?				
Workflow checklist				
1. Plot data	2. Guess relationships			
3. Create model: 1-way anova				
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			
Statistical analysis 3:				
Question: Is there an association b/w SOM and soil Nitrogen?				
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				
You are well on your way, but need to improve your technical writing about these				
analyses and include biological information in your justification for alternative				
hypotheses and in your interpretation of results.				
See more detailed notes in prelim-analysis-feedback.qmd				