Biodiversity

Assignment 1

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0.	1 Assignment 1 Questions
tomo	nit a R script wherein you provide answers to Questions 1-9 by no later than 8:00 rrow. Label the script as follows: BCB743_ <name>_<surname>_Assignment_1.R, BCB743_AJ_Smit_Assignment_1.R.</surname></name>
Refer	to the Biodiversity lecture material for the question context.
0.1	Assignment 1 Questions
	Question 1: Why is the matrix square, and what determines the number of rows/columns?
	Question 2: What is the meaning of the diagonal?
	Question 3: What is the meaning of the non-diagonal elements?
	Question 4: Take the data in row 1 and create a line graph that shows these values as a function of section number.
	Question 5: Provide a mechanistic (ecological) explanation for why this figure takes the shape that it does.

Question 6: Why is there a difference between the two?

Question 7: Which is correct?

Question 8: Plot species turnover as a function of Section number, and provide a mechanistic exaplanation for the pattern observed.

Question 9: Based on an assessment of literature on the topic, provide a discussion of nestedness-resultant -diversity. Use either a marine or terrestrial example to explain this mode of structuring biodiversity.