Practical 5: Workbook

These are questions to help guide you for your methods & results section

Part 1: Data Analysis in R

1. Abundance refers to the amount of a given species in an area. Which three invertebrates have the highest abundance in Centennial Park and Randwick Environment Park?

|  |
| --- |
|  |

1. Based on your graph "Invertebrate Abundance" which park had the greater abundance?

|  |
| --- |
|  |

1. Do the summary statistics for “Invertebrate Abundance” match what you see in the graph? Why might they not match?

|  |
| --- |
|  |

1. Based on your graph "Invertebrate Richness" which park had the greater abundance?

|  |
| --- |
|  |

1. Do the summary statistics for “Invertebrate Richness” match what you see in the graph?

|  |
| --- |
|  |

1. Now that you know the Abundance and Richness, which park do you predict will have the higher Shannon H index?

|  |
| --- |
|  |

1. After graphing and calculating the mean and standard error of the Shannon H index, which park has the higher biodiversity? Was your prediction from Q6 correct?

|  |
| --- |
|  |

Part 2: Spatial Mapping in Google Earth Pro

1. Label the images below based on the geometry types we can create:

A black outline of a hexagon

AI-generated content may be incorrect.

1. What were some of the dryer years for REP? Do we see the same in CP? Why?

|  |
| --- |
|  |

1. Is Centennial Park classed as urban or recreational?

Is Randwick Environment Park classed as urban or recreational?