

Biodiversity Sampling: Exposed vs Sheltered

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Hypothesis

We hypothesize that there will be greater biodiversity found in the sheltered site because it experiences less hydrodynamic stress.

Data Collection

We collected data from both wave-sheltered and an wave-exposed sites, at Scott's Bay, Bamfield. We used 10 by 10 quadrats and selected 10 random squares, in which we counted species richness and abundance.

Analysis

Results and Conclusions

Table 1: Species Richness present at the Sheltered and Exposed sites.

vertical_transect	quadrat	richness	site
1	1	3	sheltered
1	2	2	sheltered
1	3	4	sheltered
1	4	2	sheltered
2	1	3	sheltered
2	2	3	sheltered
2	3	4	sheltered
3	1	9	sheltered
3	2	4	sheltered
3	3	3	sheltered
4	1	5	exposed
4	2	6	exposed
4	3	5	exposed
5	1	1	exposed
5	2	1	exposed
5	3	1	exposed
5	4	1	exposed
6	1	3	exposed
6	2	3	exposed
6	3	4	exposed

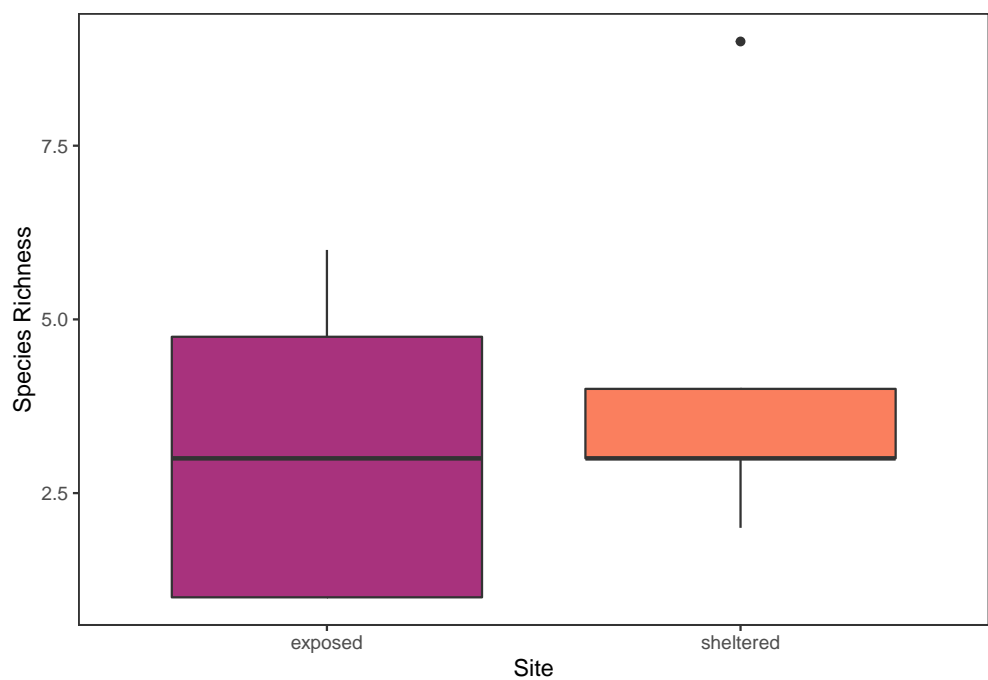
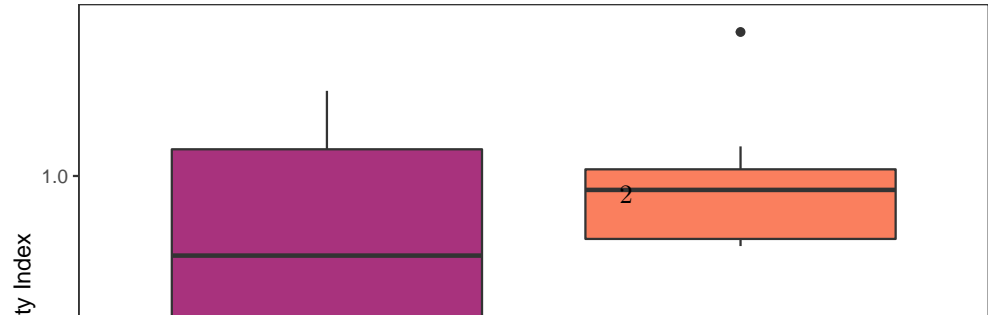


Figure 1: Hello.

Table 2: H' Shannon-Wiener values of Diversity of the Sheltered and Exposed sites.

vertical_transect	quadrat	richness	site
1	1	3	sheltered
1	2	2	sheltered
1	3	4	sheltered
1	4	2	sheltered
2	1	3	sheltered
2	2	3	sheltered
2	3	4	sheltered
3	1	9	sheltered
3	2	4	sheltered
3	3	3	sheltered
4	1	5	exposed
4	2	6	exposed
4	3	5	exposed
5	1	1	exposed
5	2	1	exposed
5	3	1	exposed
5	4	1	exposed
6	1	3	exposed
6	2	3	exposed
6	3	4	exposed



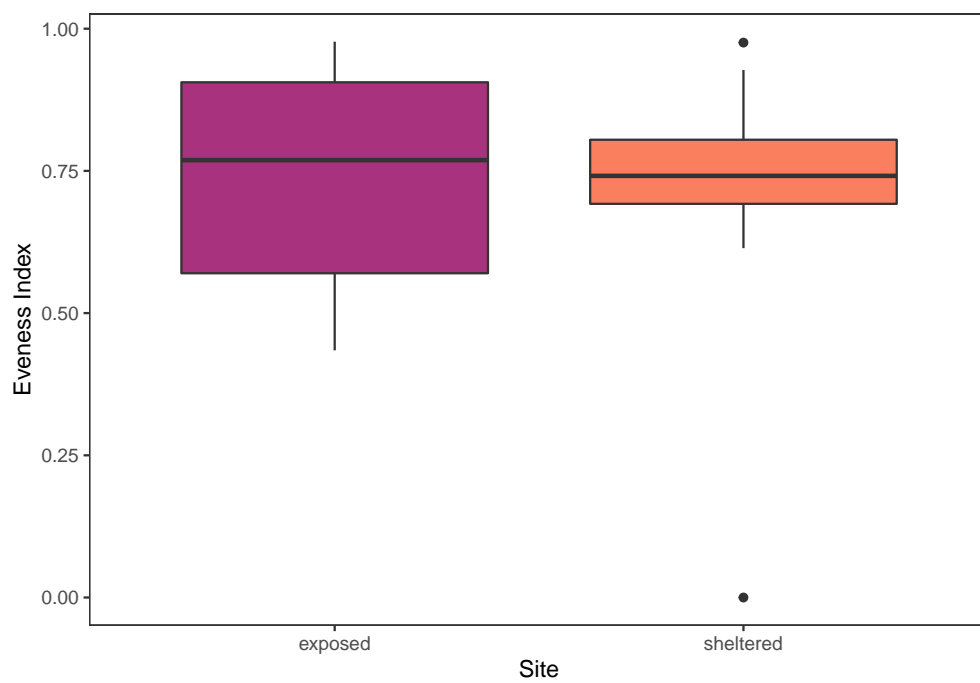


Figure 3: Hello.