

Biodiversity Sampling: Exposed vs Sheltered

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Hypothesis

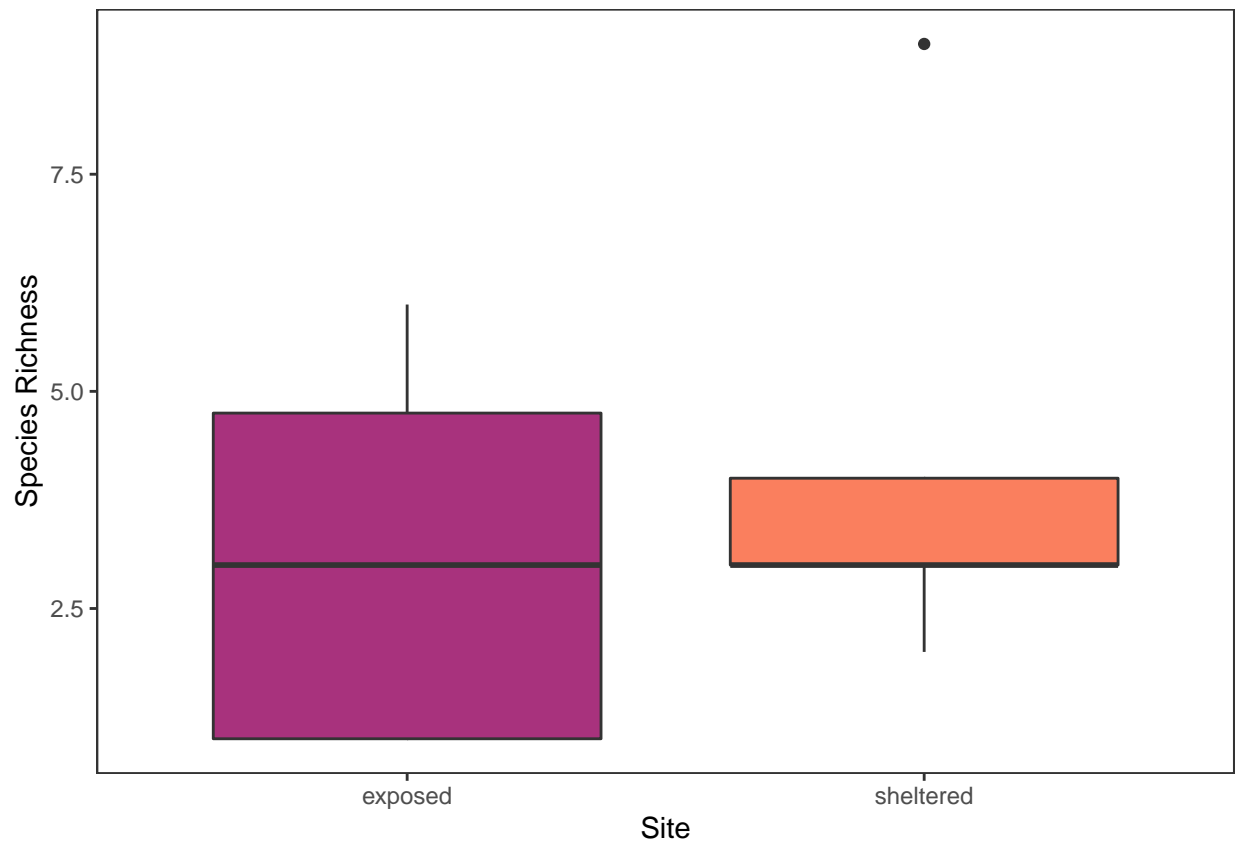
We hypothesize that there will be greater biodiversity found in the sheltered site because it experiences less hydrodynamic stress.

Data Collection

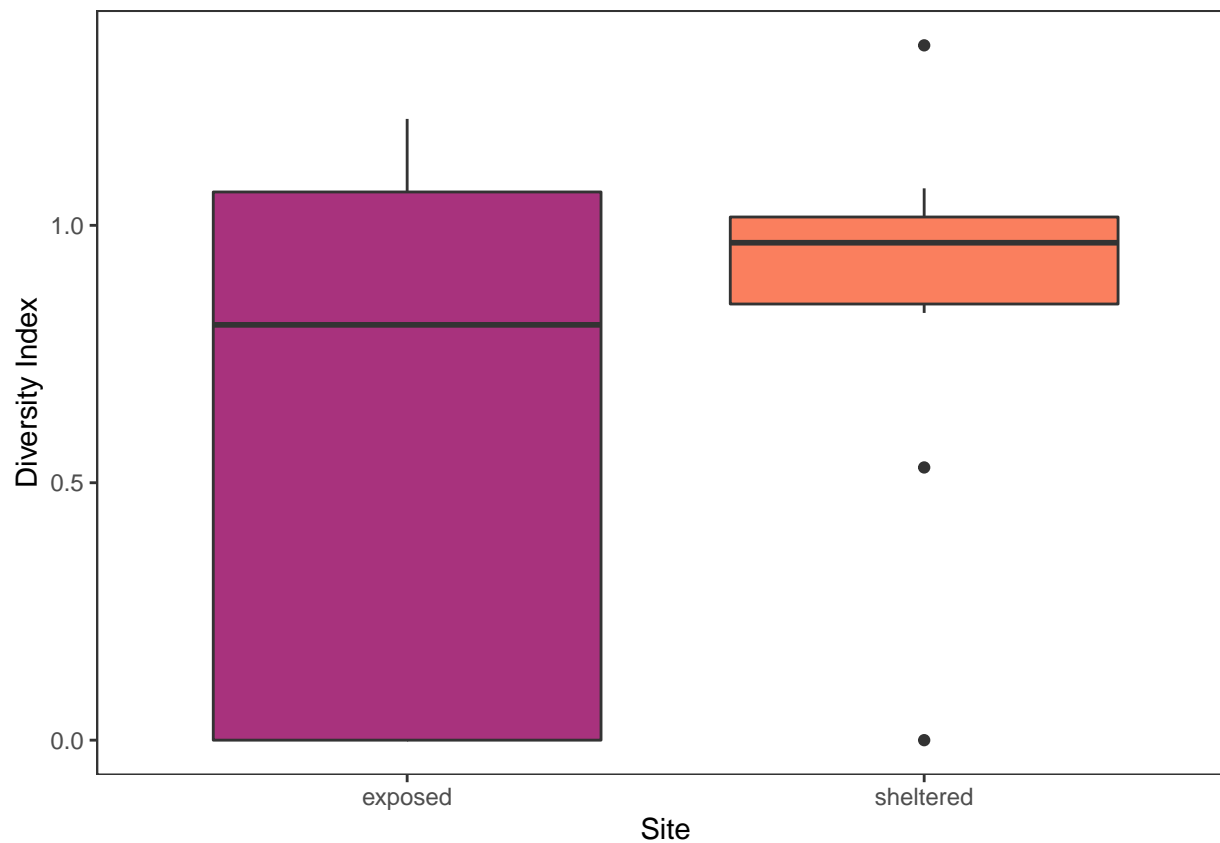
We collected data from both wave-sheltered and a wave-exposed sites, at Scott's Bay, Bamfield. We used 10 by 10 quadrats and selected 10 random squares, in which we counted species richness and abundance.

Analysis

Results and Conclusion



Saving 6.5 x 4.5 in image



```
shannon_evenness_plot <- ggplot(data = shannon_evenness) +  
  geom_boxplot(aes(x = site, y = evenness, fill = site)) +  
  labs(x = "Site", y = "Evenness Index") +  
  theme_test() +  
  theme(legend.position = 'none') +  
  scale_fill_manual(values = c('#A8327DFF', '#FA7F5EFF'))
```

```
shannon_evenness_plot
```

```
## Warning: Removed 4 rows containing non-finite values (stat_boxplot).
```

