

Unraveling the Mystery of Rarotongan Lagoon

Problem Set 1

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1/14/2022

Identifying Patterns in the Data

1. Patterns in Adult Organism Density across Year/Location

Fig. 1A: Adult Fish: Number of individuals per 100m² of reef.

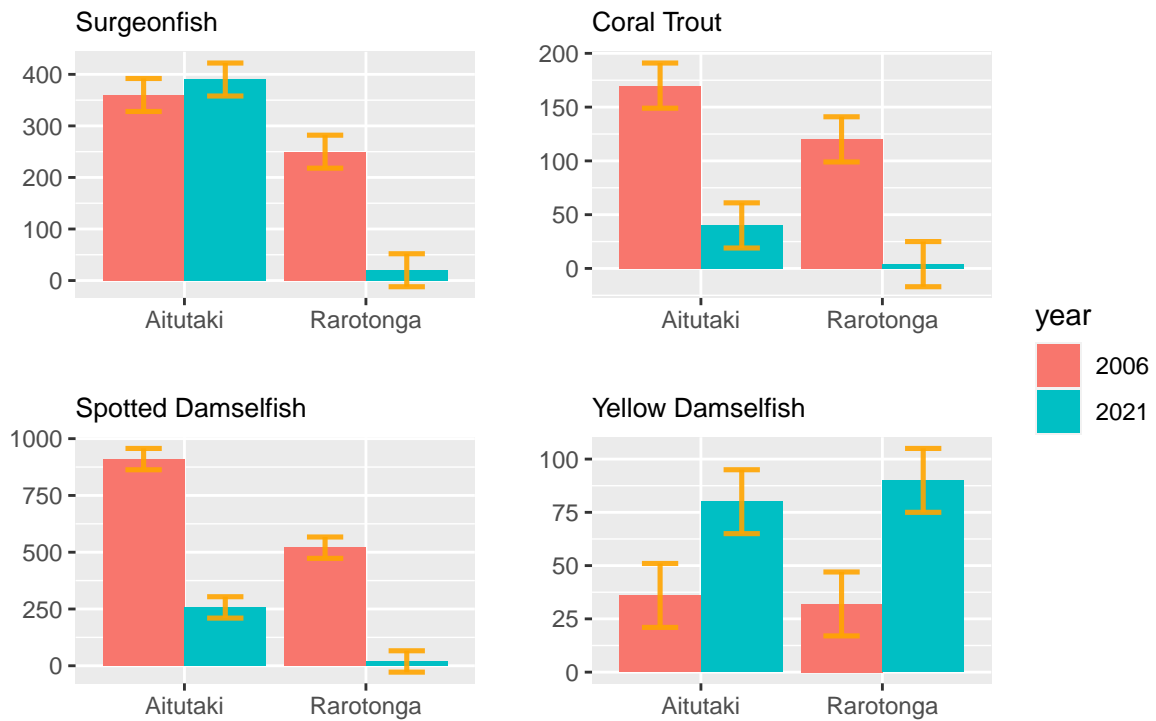
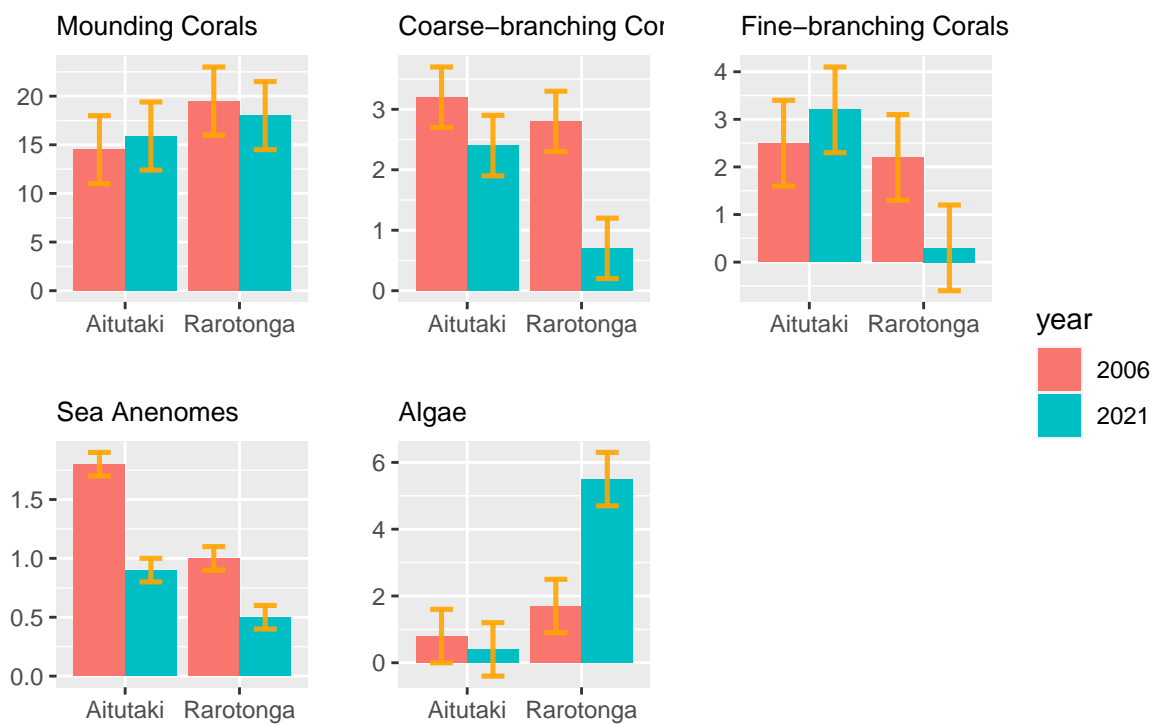
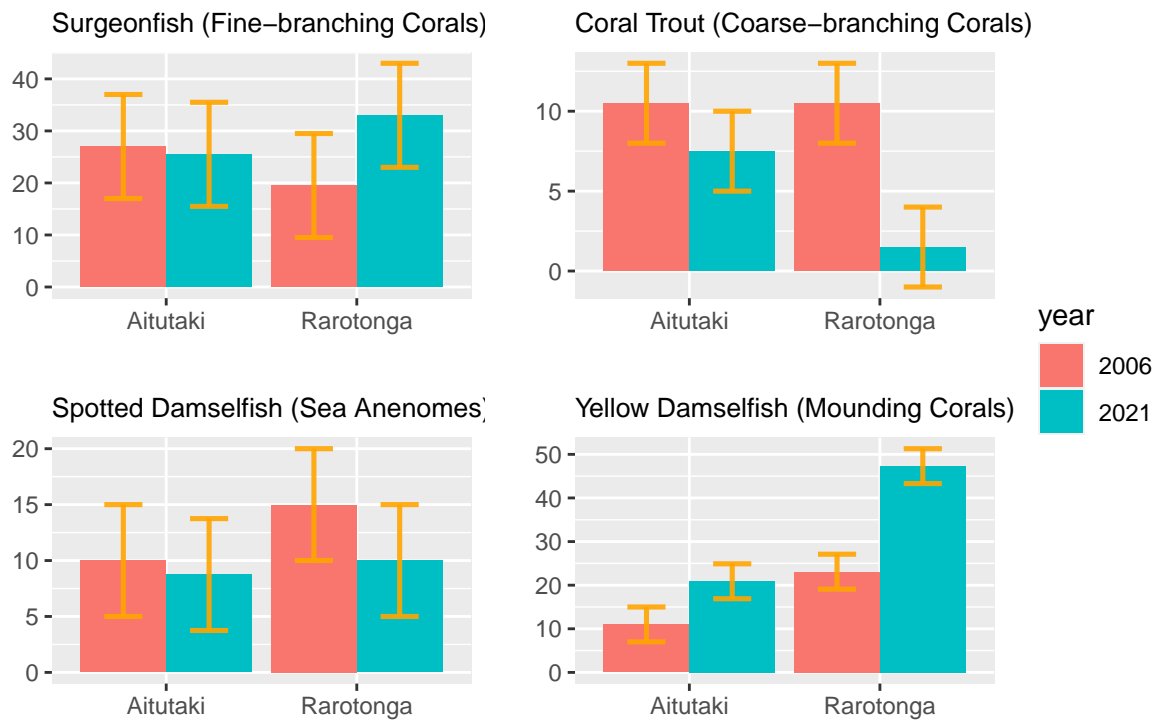


Fig. 1B: Other Organisms: Amount of Bottom Covered (m^2) per 100m^2 of Reef.



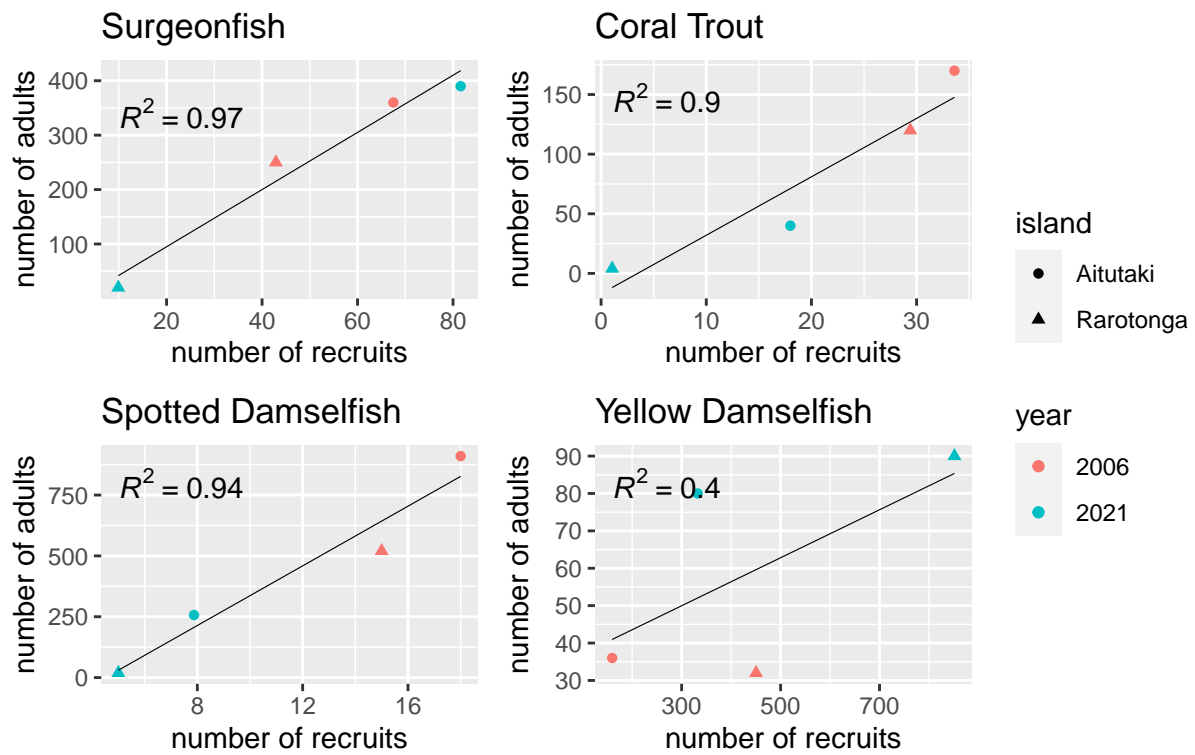
2. Patterns in New Recruit Density across Year/Location

Fig. 2: Young Fish: Number of new recruits per 1m² of preferred microhabitat.



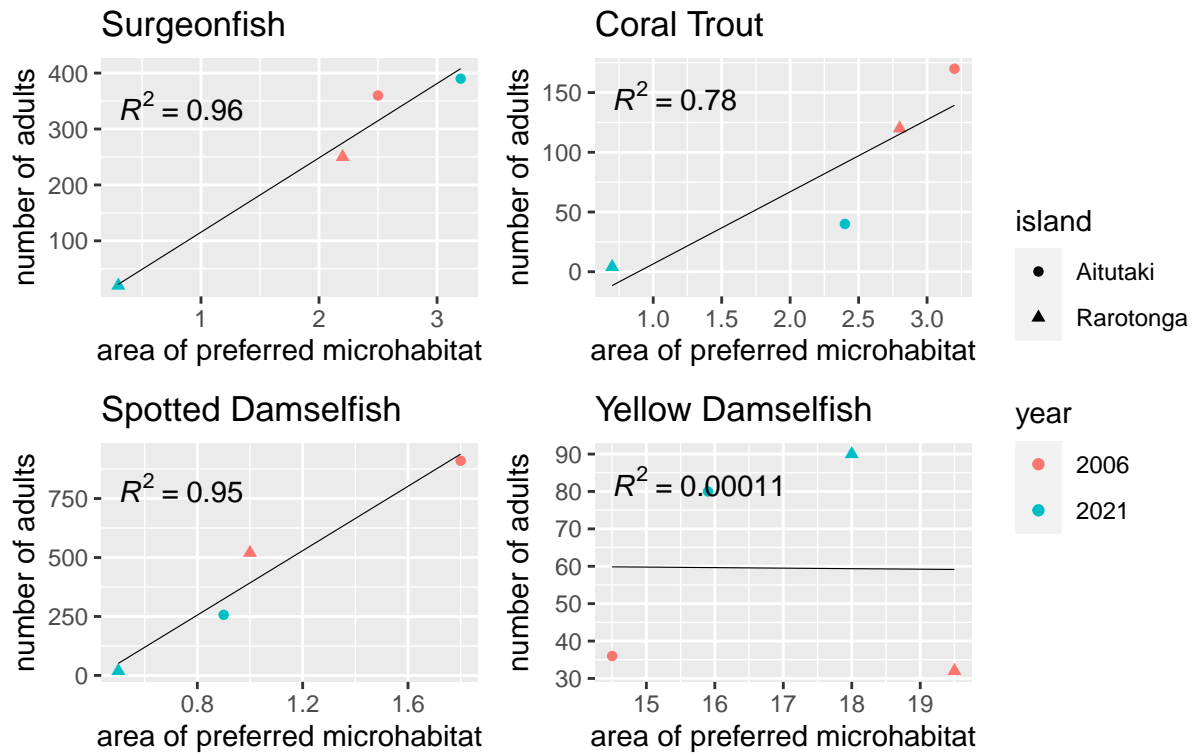
3. Comparing Density of Adults and Recruits

Fig. 3: Density of Adults versus New Recruits per 100m² of Reef.



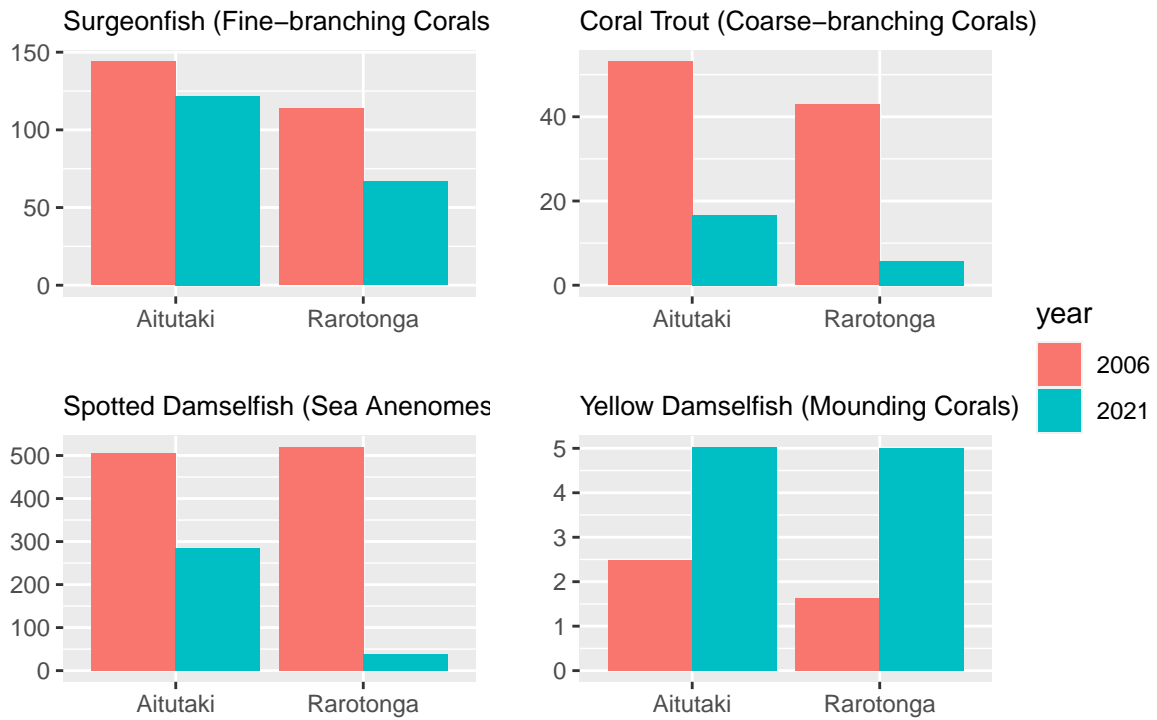
4. Comparing Density of Adults with Area of Preferred Microhabitat

Fig. 4: Area of Microhabitat versus Density of Adults per 100m² of Reef.



5. Density of Adult Fish per Area of Microhabitat preferred by Young

Fig. 5: Number of adult fish per m² of microhabitat preferred by young.



6. Comparing Density between each Species Pair

Fig. 6: Comparing Adult Fish Densities between Species.

