

# Unraveling the Mystery of Rarotongan Lagoon

## Problem Set 1

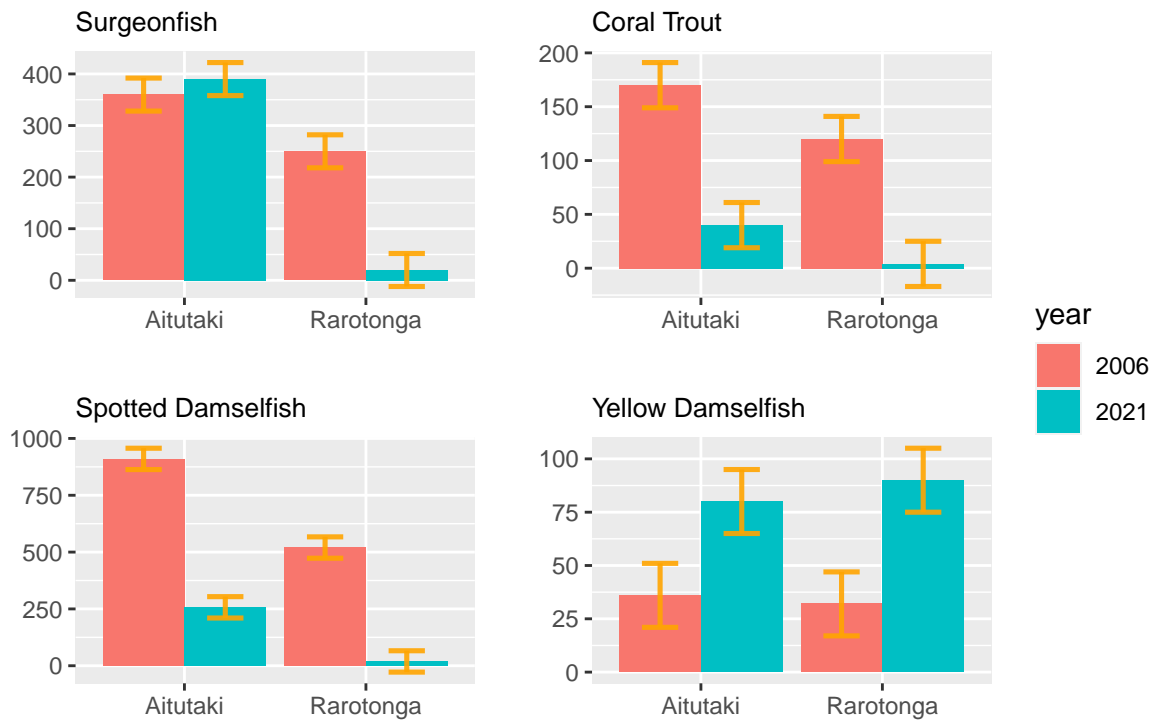
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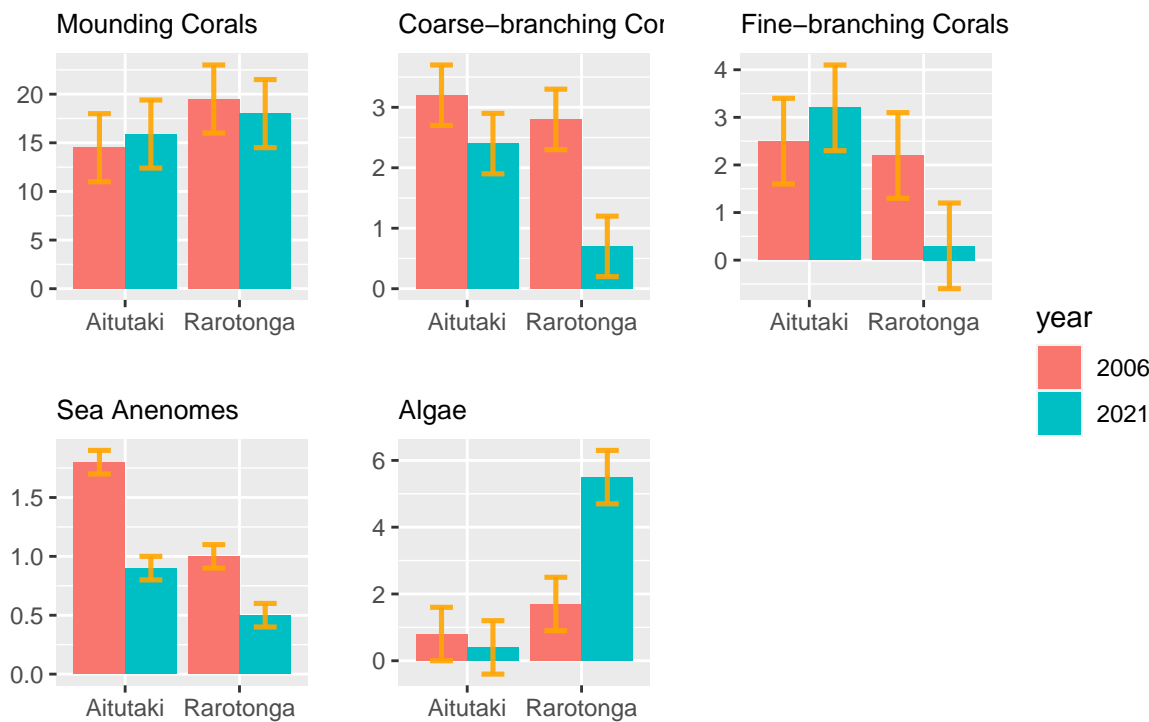
### Identifying Patterns in the Data

#### 1. Patterns in Adult Organism Density across Year/Location

Adult Fish: Number per 100m<sup>2</sup> of reef

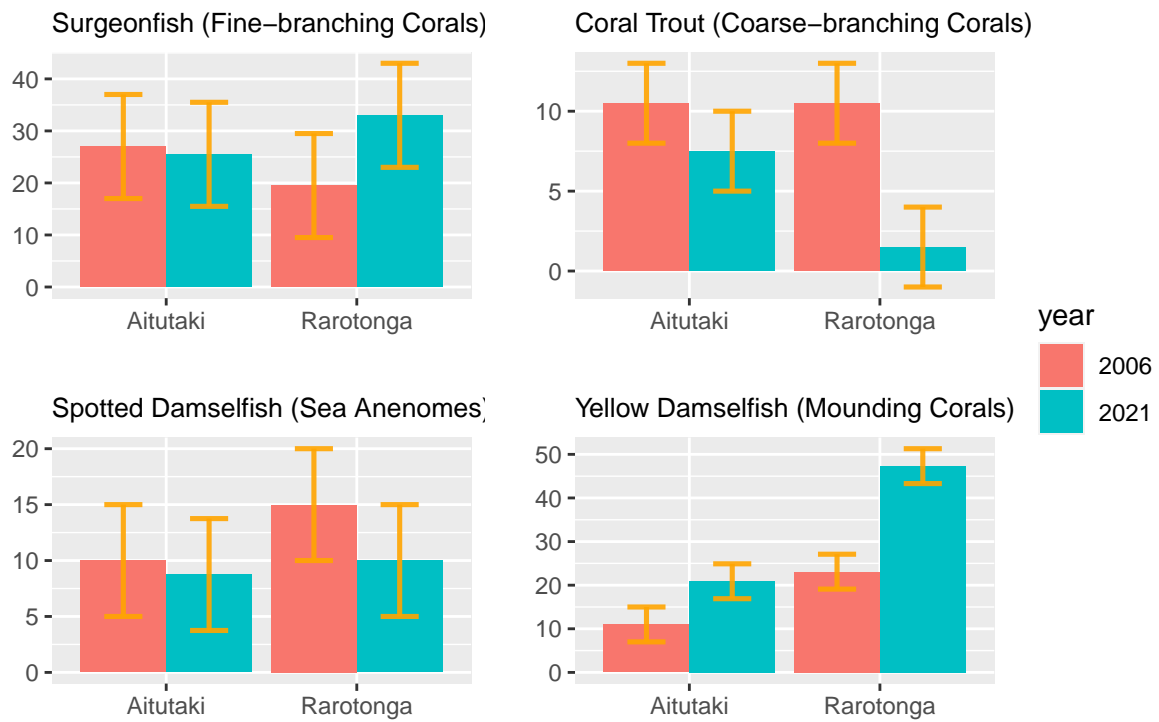


Other Organisms: Amount of Bottom Covered (m<sup>2</sup>) per 100m<sup>2</sup> of Reef



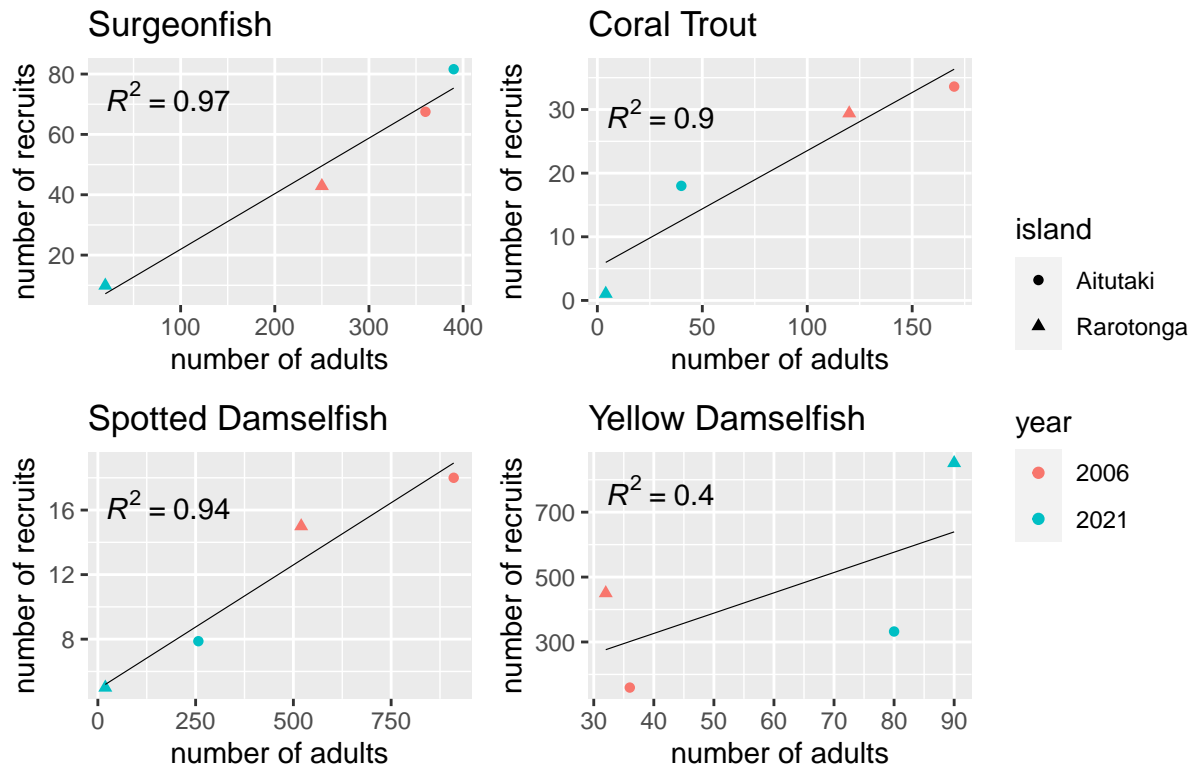
## 2. Patterns in New Recruit Density across Year/Location

Young Fish: Number of new recruits per 1m<sup>2</sup> of preferred microhabitat



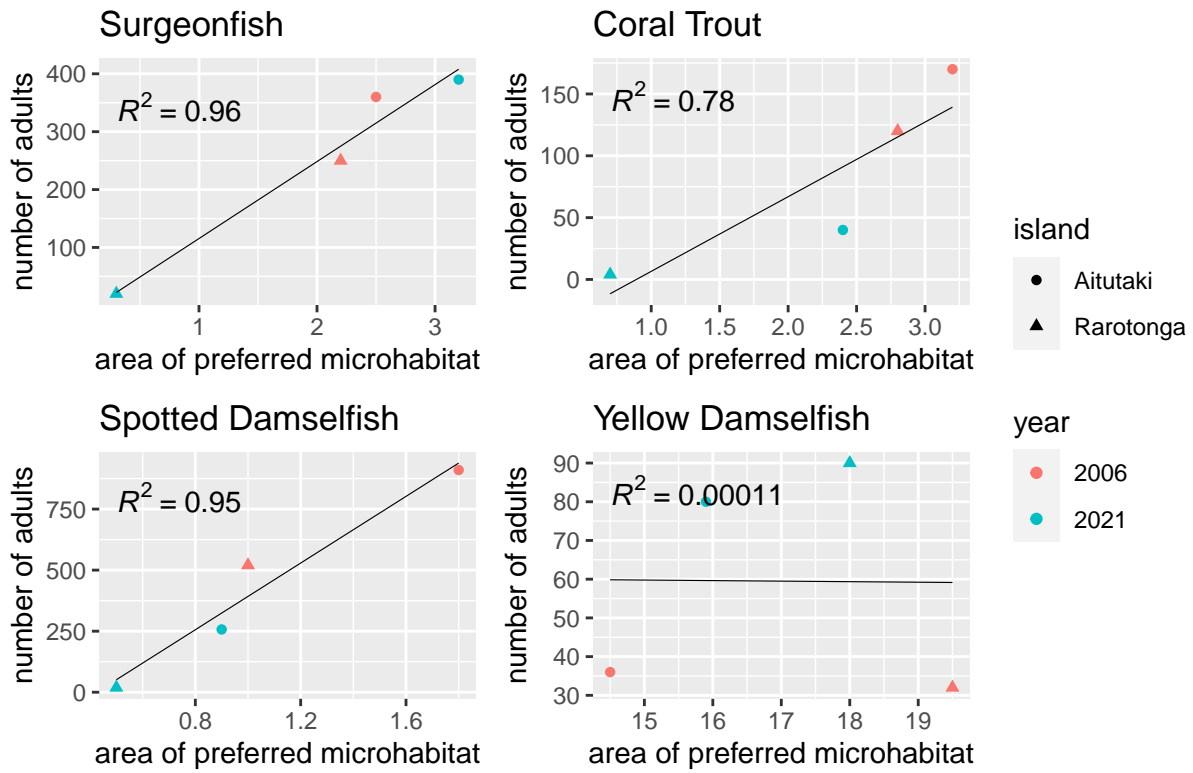
### 3. Comparing Density of Adults and Recruits

Density of Adults versus New Recruits per 100m<sup>2</sup> of Reef



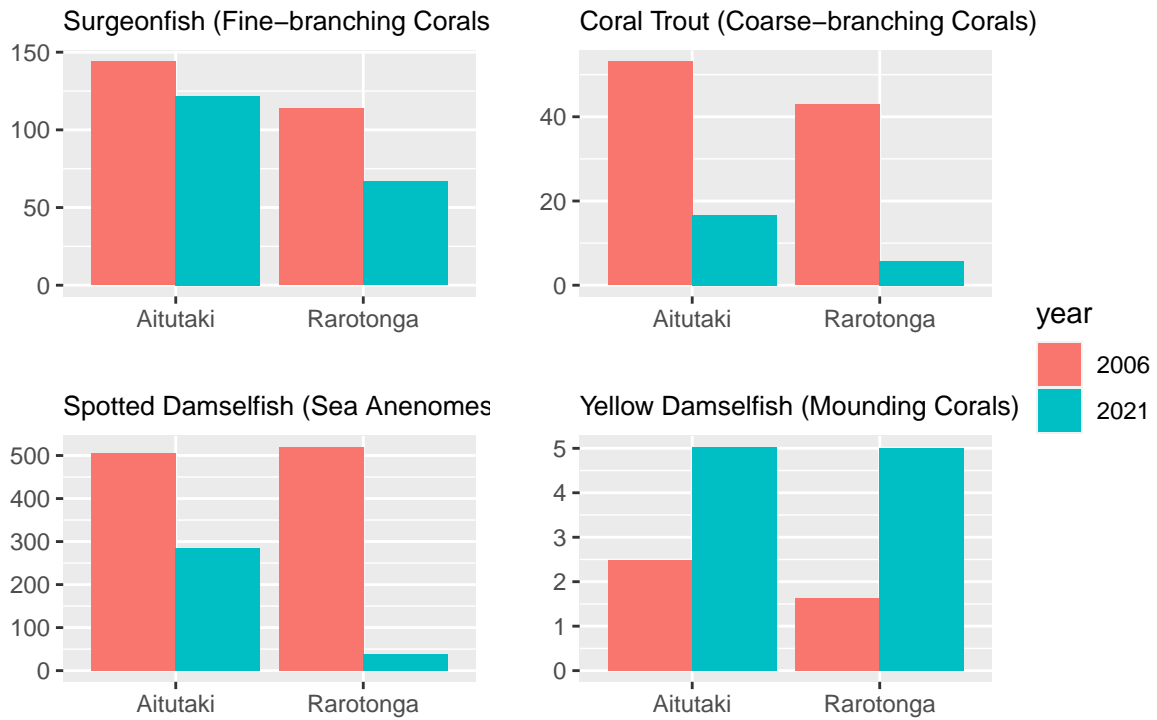
#### 4. Comparing Density of Adults with Area of Preferred Microhabitat

Area of Microhabitat versus Density of Adults per 100 m<sup>2</sup> of Reef



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

Number of adult fish per m<sup>2</sup> of microhabitat preferred by young



## 6. Comparing Density between each Species Pair

### Comparing Adult Fish Densities between Species

