

# Final Project

## Final Project

Due Date: 2023 Dec 18

### SIDS Small Island Developing States

- Thirty-nine island states in three regions
  - the Caribbean (CARICOM)
  - the Pacific (PIF)
  - the Atlantic, Indian Ocean and South China Sea (AIS) (IOC)
- Aggregate population 65 million, less than 1% of world population.
- Exclusive Economic Zone (EEZ)—the ocean under their control Average 28 times the country's land mass.
- Unique social, economic, and environmental challenges:
  - Remote geography
  - Far from international markets
  - Higher import and export costs
  - Reliance on natural resources from the ocean
  - Small population size
  - Vulnerability to exogenous economic shocks

- Fragile land and marine ecosystems
- Vulnerable to biodiversity loss and climate change

## Assignment Description

The purpose of the final assignment is for you to demonstrate your range of R capabilities to produce a single well-integrated deliverable.

You have been assigned an island state which will be the focus of your work.

The deliverable is a Shiny web presentation which must be live and published to a server.

Your presentation should work with data to address four broad topics:

- General description containing:
  - Map of the island state
  - Map showing the location of the island state in the world
  - Key facts about the island state
  - A brief narrative description of the island state
- Key demographics
- Comparison of the Island State relative to other island states in the same region.
- SWOT (Strength, Weakness, Opportunities, Threats) analysis of the Island State

Your submission should include maps, graphs, images, tables, and narrative. Keep it simple. Quality over quantity.

Plainly you will be graded on your ability produce using R.

Be sure to include citations for data and information sources you use.

Also include citations for help you have received from classmates, anyone outside the class, or online (including LLM's).

**Submit two links – the URL of your published shiny and the URL for your Public Github Repository.**

I will clone your Github during grading. Be sure the code runs successfully.

## **Regions and Regional organizations**

Information about the island's regional organizations.

[SIDS regions Map](#)

[CARICOM](#)

[PIF](#)

[IOC](#)

## **Primary Resources**

UN Data about general characteristics. [UN Data](#)

World Bank data (finances) [World Bank Data](#)

Another international data source, good climate change indicators [IMF Data](#)

The specific hub of SIDS data at the UN [Multidimensional Vulnerability Index](#)

## **Additional Resources**

[4th International Conference on SIDS 27-30 MAY, 2024 - ANTIGUA AND BARBUDA](#)

[International Year of Small island developing States - 2014](#)

[Small Island Developing States in Numbers](#)

[Small Island Developing States In Numbers 2020 - Oceans Edition](#)

## Rubric

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		Needs				
	Pts	Pro 100%	Good 90%	OK 80%	Improvement 70%	Inadequate 50%
General	10					
Regional	10					
Demographic	10					
SWOT	10					
Shiny	10					
Maps	10					
Graphics	10					
Tables	10					
Images	10					
Narrative	10					
Total	100					