GIS Community Outreach

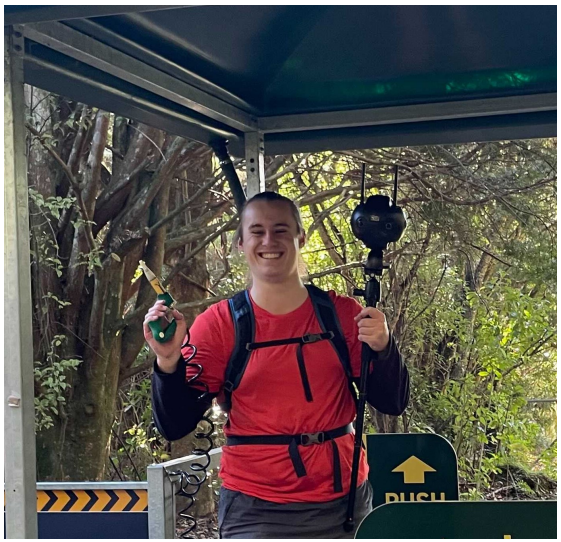
University of Auckland

Thursday 17-06-2021

Introduction

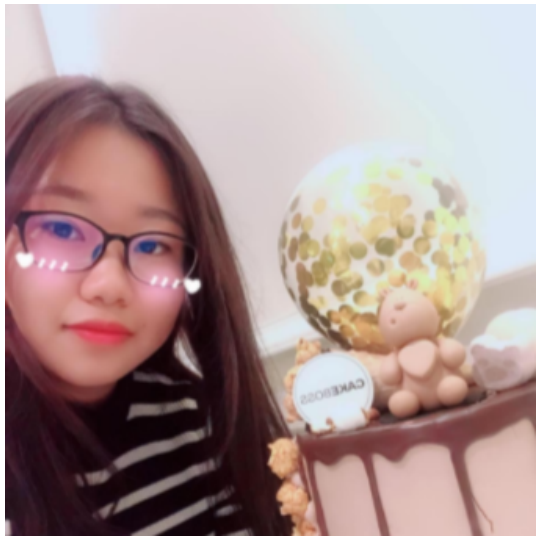
Kia ora!

Sophie Kolston
she/her



BSc student in GIScience. Research interests in spatial programming and virtual reality.

Wila Wu
she/her



BSc(hons) student in Geography, focussing on human mobility in Auckland during the Covid-19 pandemic.

The Plan for Today

Schedule

0900-1030 Our Introduction, Lesson 1: Introduction to GIS
1030-1100 Break
1100-1300 Lesson 2: Vector Data Analysis
1300-1400 Lunch
1400-1530 Lesson 3: Raster Data Analysis
1530-1600 Break
1600-1700 Lesson 3 Continued, Wrap-up

Objectives

Understanding of GISystems and Science in High School!

Lots of flexibility in NCEA to implement everything we will be teaching today into your geography curriculum:

Level	ID	Credits	Description
1	AS91014	3	Apply spatial analysis, with direction, to solve a geographic problem
2	AS91247	3	Apply spatial analysis, with guidance, to solve a geographic problem
3	AS91433	3	Apply spatial analysis, with consultation, to solve a geographic problem

Objectives: Example

Achievement Standard

Subject Reference	Geography 3.8				
Title	Apply spatial analysis, with consultation, to solve a geographic problem				
Level	3	**Credits**	3	**Assessment**	Internal
Subfield	Social Science Studies				
Domain	Geography				
Status	Registered	**Status date**		04 December 2012	
Planned review date	31 December 2020	**Date version published**		17 November 2016	

This achievement standard involves applying spatial analysis, with consultation, to solve a geographic problem.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
• Apply spatial analysis, with consultation, to solve a geographic problem.	• Effectively apply spatial analysis, with consultation, to solve a geographic problem.	• Comprehensively apply spatial analysis, with consultation, to solve a geographic problem.

...

7 Manipulations refer to data transformations such as:
- measuring
- layering
- changing the symbols used
- sorting and editing a table
- querying the map
- using coordinate systems
- displaying a graph based on the map.

8 Appropriate geospatial technology is used for the manipulation and presentation of data.

We will be covering everything that is required for all year levels of assessment (and more!)

← Introduction lesson achieves this

Ambiguous definitions, can involve physical and/or human geography

Let's Get Started!

Any questions?