Green Mathematics for Machine Learning
Evolutionary Routes
Lesson 1: Graphs and Paths

Teacher's Guide

In this lesson students will learn about graphs and fundamental graph theory.

This should be quite a simple and straightforward lesson. The terminology is easy to understand. Students should be careful when writing adjacency matrices. As these are simple weighted graphs, all the adjacency matrices will be symmetric and square.

Terms used in this lesson

- **Graph**

A model of relationships between entities.

- **Path**

The journey between one connected node and another without repetition.

Additional materials

Evolutionary Routes L1 - Worksheet 1.pdf

Evolutionary Routes L1 - Worksheet 1 - Large Print.pdf

Estimated time

50-60 minutes