

Programming fundamentals with Python

Pepe García

2020-04-20

Programming fundamentals with Python

<https://slides.com/pepegar/pfp-16/live>

Plan for today

Path finding in graphs

Weighted graphs

Lab session

Pathfinding

Pathfinding

Let's implement a path finding algorithm for our directed graphs from last session

Pathfinding

Pathfinding

We've seen the **find_path** function. Create a function for finding all paths now!

Weighted graphs

Weighted graphs are graphs in which the edges have a weight. Imagine a graph describing distances between points in space, that's a weighted graph.

Weighted graphs

How would you model a **directed weighted graph** in Python?

Weighted graphs

Modify the **find_path** function to make it work on weighted graphs.

Checkout last assignment