# Getting Started with Project Hooked

User guide

### Project Hooked will allow the users to explore data related to the fishing industry through 3 different lenses:



Users can then build a summary heatmap based on customised factors to highlight key groups of interests.

# Overview - Landing Page

Easy and clear navigation to toggle between different modules on the Shiny App.

Menu Introduction Network Risk Revenue Risk Country Risk Customised Heatmap

### A Fishy Business

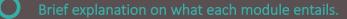
Welcome to our Shiny App where you can explore the following modules:

Financial Risks: With this module, users can investigate the financial aspects of the data, such as Total Revenue by subgraph, Total Revenue per company, and Total Revenue per Beneficial Owner. The objective is to identify suspicious clusters that may indicate illegal activities.

Country Risks: The primary goal of this module is to enable users to explore the data from a country perspective. It addresses questions like "Which subgraph spans across the most countries?" and "Are there any distinctive characteristics of these subgraphs?"

**Network Risks:** This module offers users the capability to visualize the interconnections within each subgraph, facilitating a deeper analysis of the relationships among companies, beneficial owners, and company contacts.

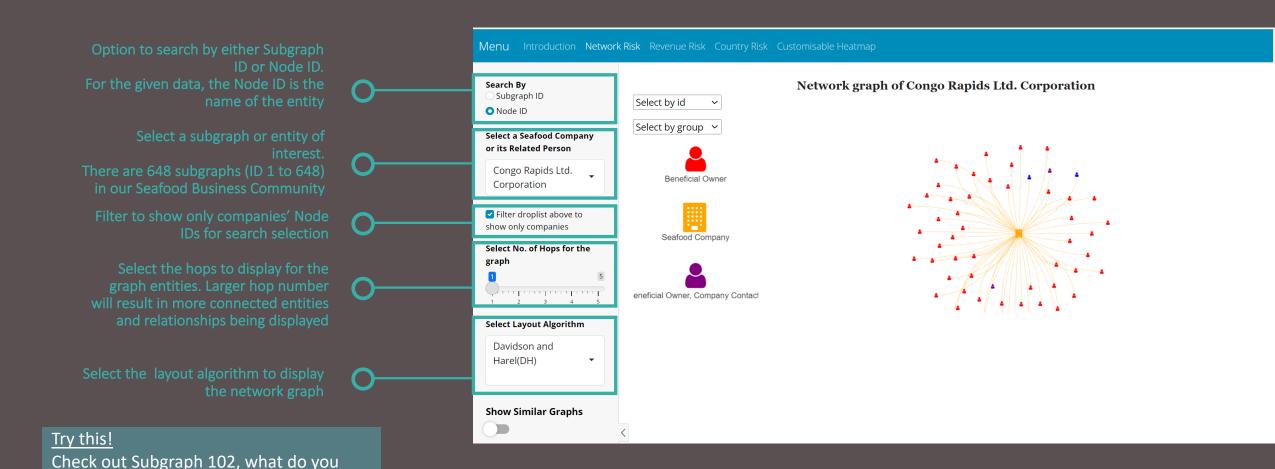
We hope your data exploration journey here leads you to meaningful insights. Together, let us get hooking!



### Network Risk – Basic Features

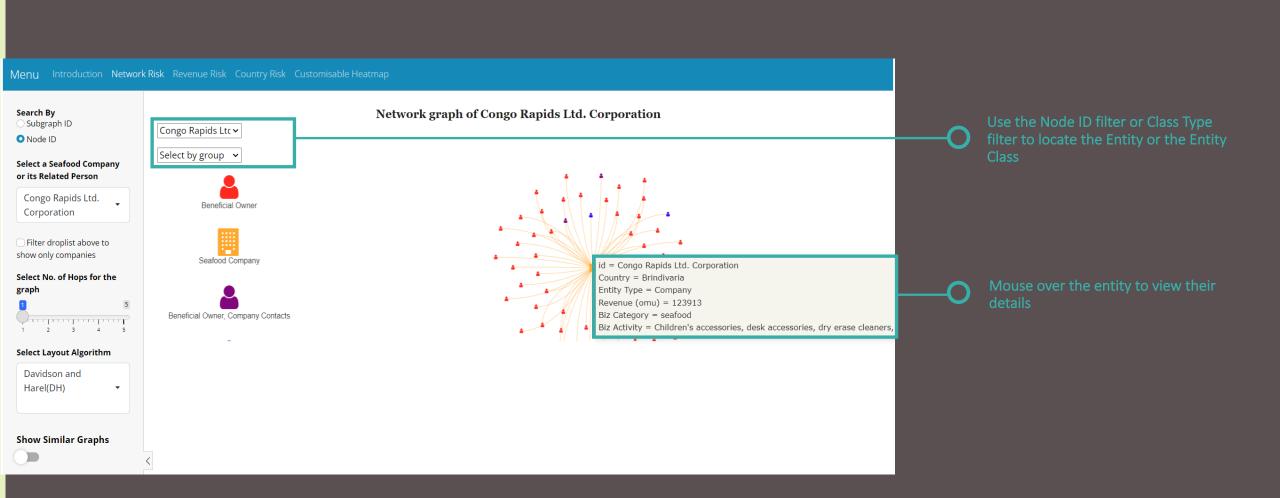
think of its structure?





# Network Risk – Exploring the plot





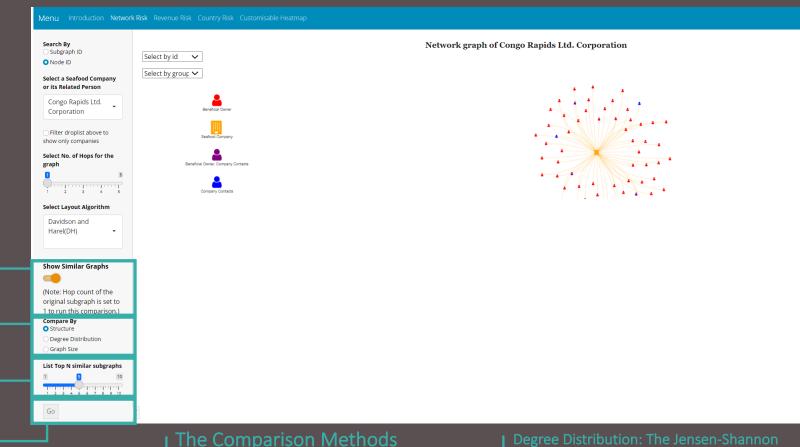
### Network Risk – Show Similar Graph Basic Features



### Try this!

Find a subgraph which is similar (in degree distribution ) to Subgraph 210

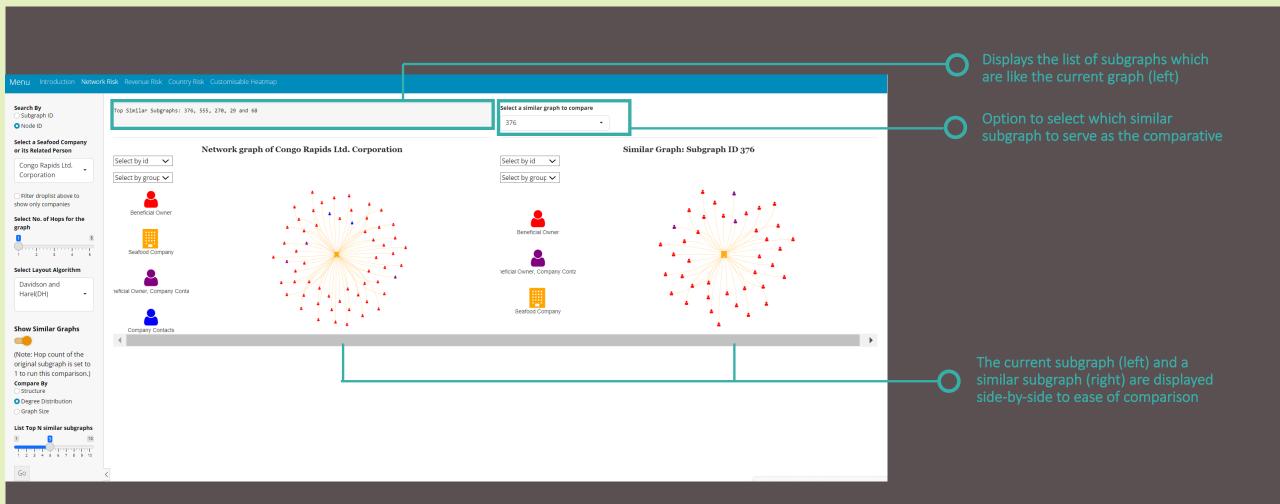
Button to perform the graph comparison and display a similar



divergence measure is used to compare degree distributions of graphs

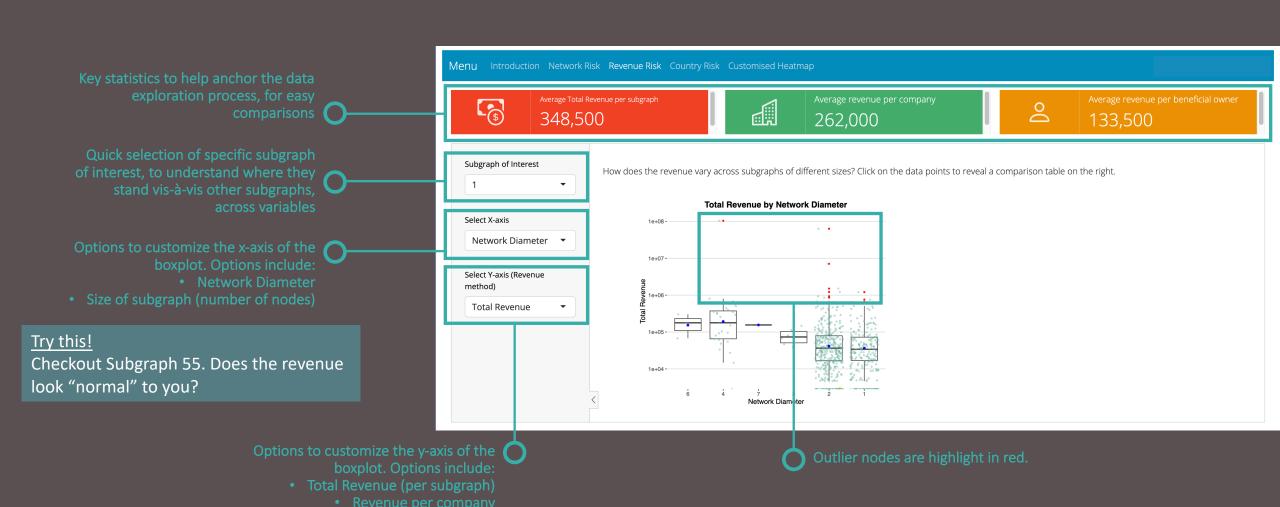
## Network Risk – Exploring the Comparative Plot





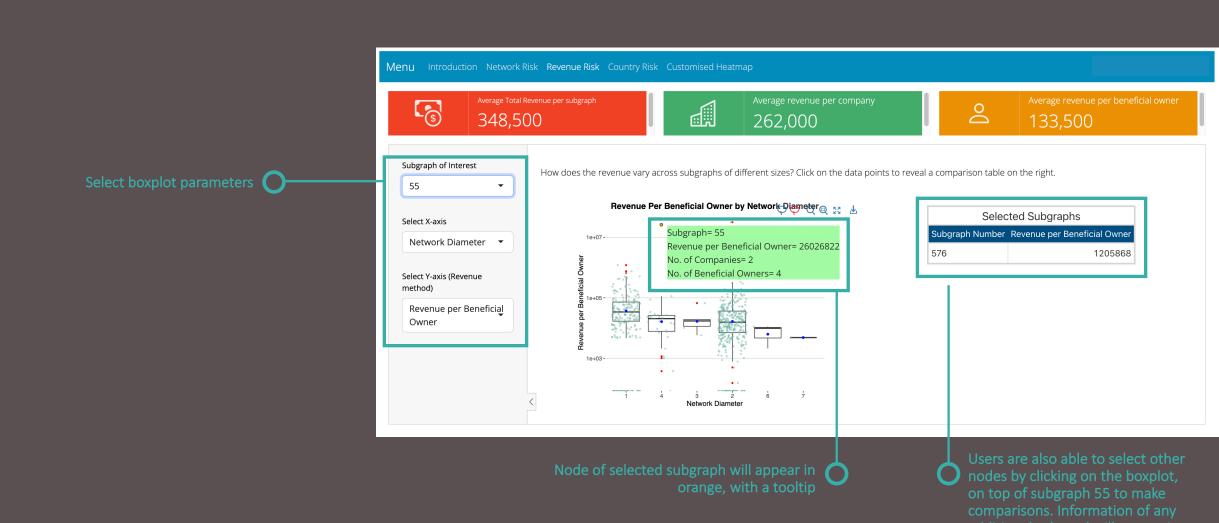
### Financial Risk — Basic Features





# Financial Risk – Exploring subgraphs





## Country Risk – Basic Features

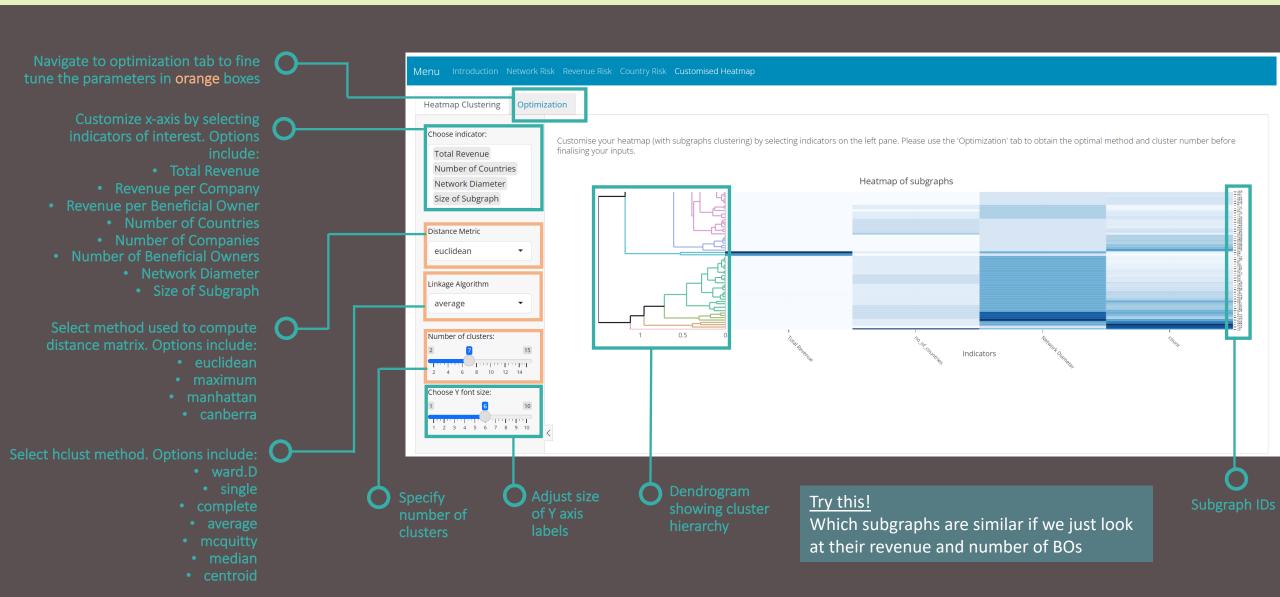


### Try this!

Check out Subgraph 29. How is it special?



# Customisable Heatmap - Clustering



## Customisable Heatmap - Optimisation

We are now in the Optimization tab.

