



CSE-6413

Network Science

Group members

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Project Idea

**Exploring Connections: A Network Analysis of
Facebook's Food Pages**

Dataset Overview

Source: [Facebook Food Pages dataset \(November 2017\)](#)

Nodes: Represent Facebook pages.

Edges: Represent mutual likes between pages.

Network Type: Undirected and unweighted.

Network Analysis

- Degree Distribution
- Clustering Coefficient
- Shortest Path Length
- Community Detection
- Centrality Measures
- Comparison of Food Brands

Key Findings

- Identify the most influential pages
- Discover communities of related pages
- Assesses brand popularity and reach within the food network

Visualization Tool: Gephi or NetworkX

Thank you