

## Capstone 2022

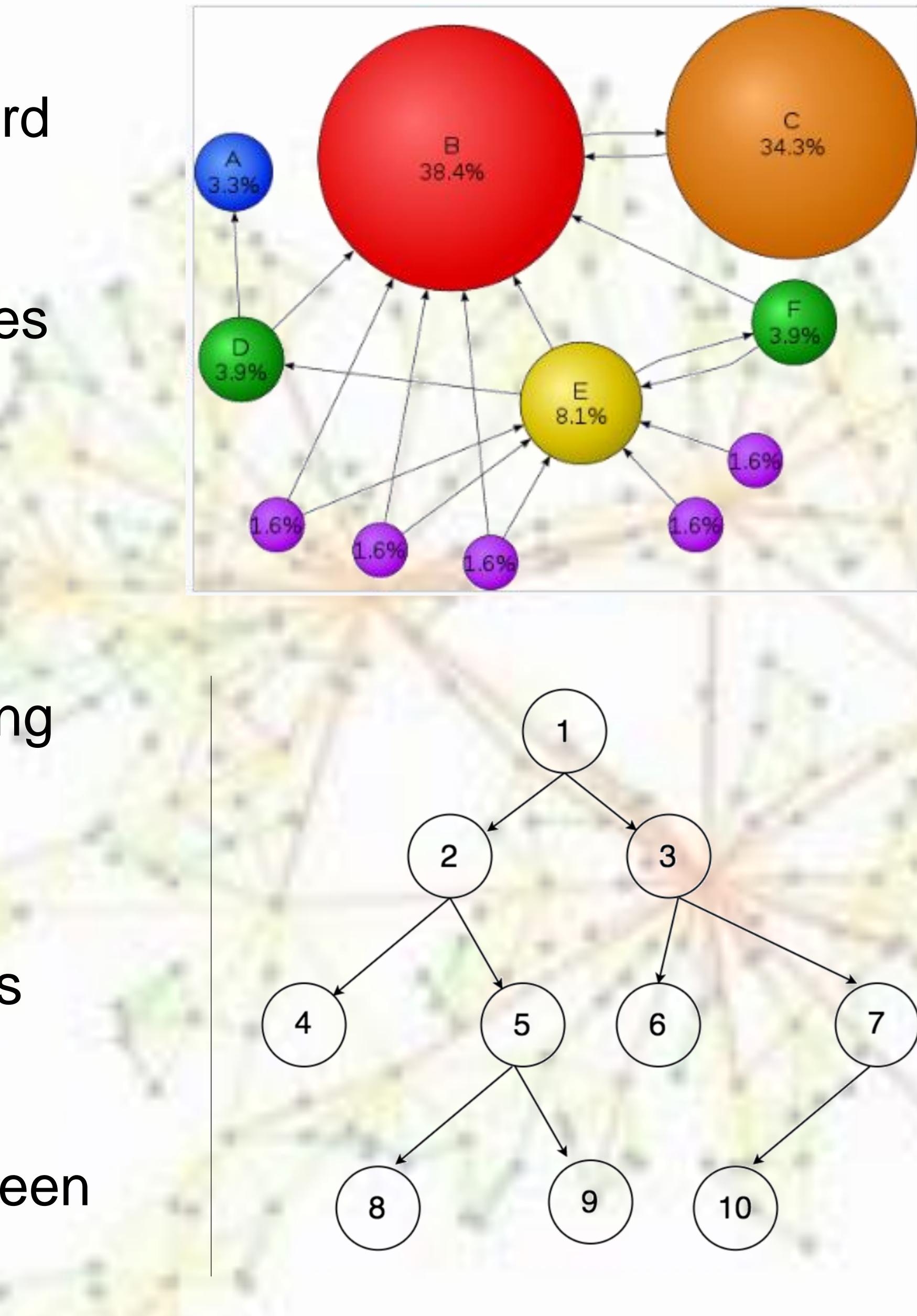


- World class billiard ranking system
- Approximately 20,000,000 games Approximately 240,000 players globally

## What

- Graphical modeling using relational technologies
- Discovery of 105 distinct subgraphs Centroid analysis
- Shortest path calculations between arbitrary players

## **Graph Data Analytics Metric Expansion** Team Members: Tommy Jackson & Troy Timmerman Sponsor: FargoRate



STUDENT FOCUSED 🐰 LAND GRANT 🎧 RESEARCH UNIVERSITY

WHY Use existing resources for more information Increase popularity Tournament Software How

• C# • Redis • Azure SQL Server Cypher (CQL) Page Rank BFS Dijkstra's shortest path Graph coloring

