



THE OHIO STATE UNIVERSITY

CSE5544 Final Presentation

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Overview

- Introduction
- Designs
- Visualization
- Conclusion



Introduction and background details

- Mini-challenge 1 in 2021 in IEEE visual analytics benchmarks repository
- Background of this challenge
- Overall Problem
 - Our target is to find out the **relationship** and **condition** that leads the kidnapping case and **why** the employees go missing.

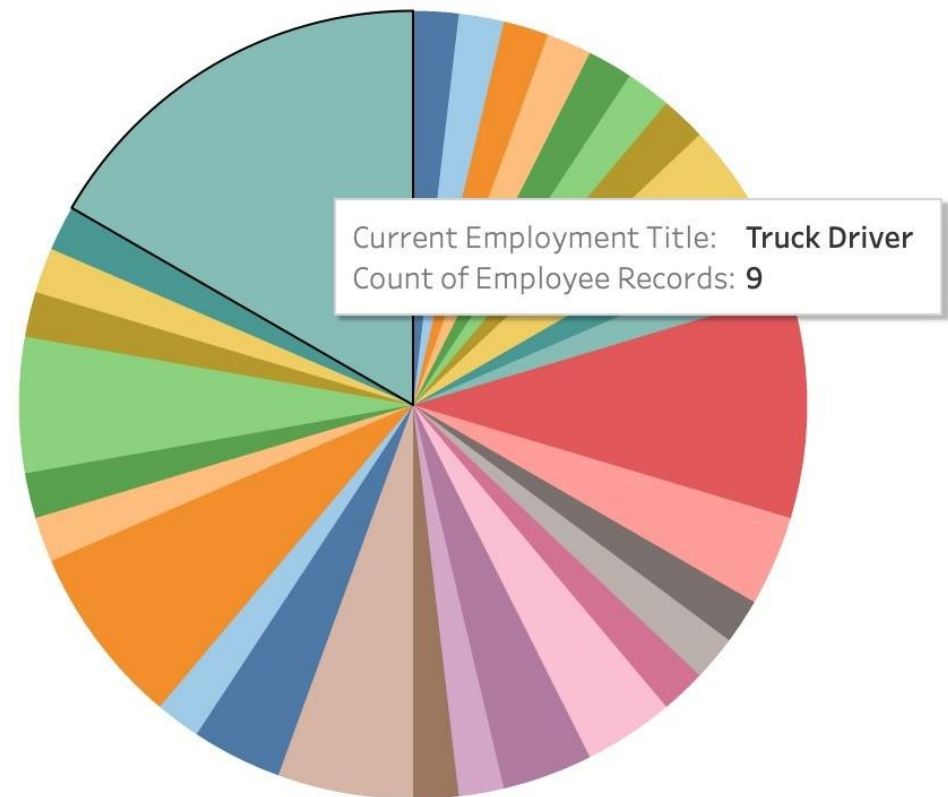
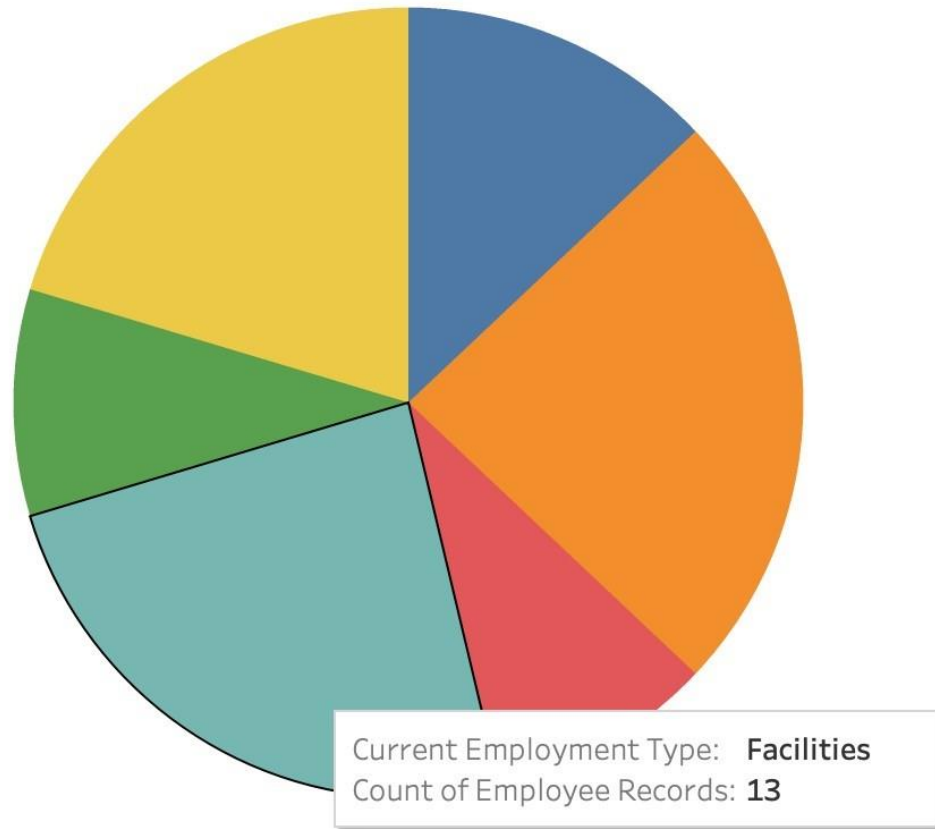


Designs

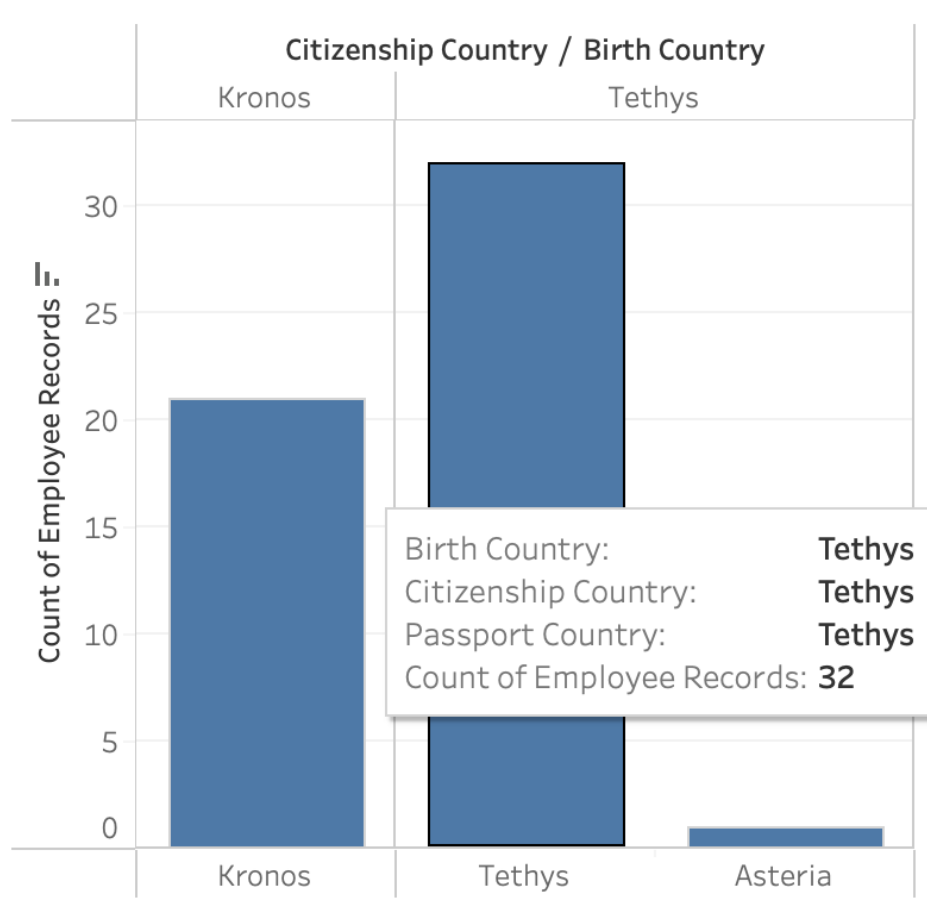
- Domain Situation
 - Group of target users: N/A
 - Questions: defined by our group in Analytical Problems
 - Data set: 9 types of dataset
- Task and Data Abstraction
- Visual Encoding and Interaction
 - D3.js, Python, Tableau
- Algorithms



Employees' Job Position Distribution in Each Department of GASTech Company

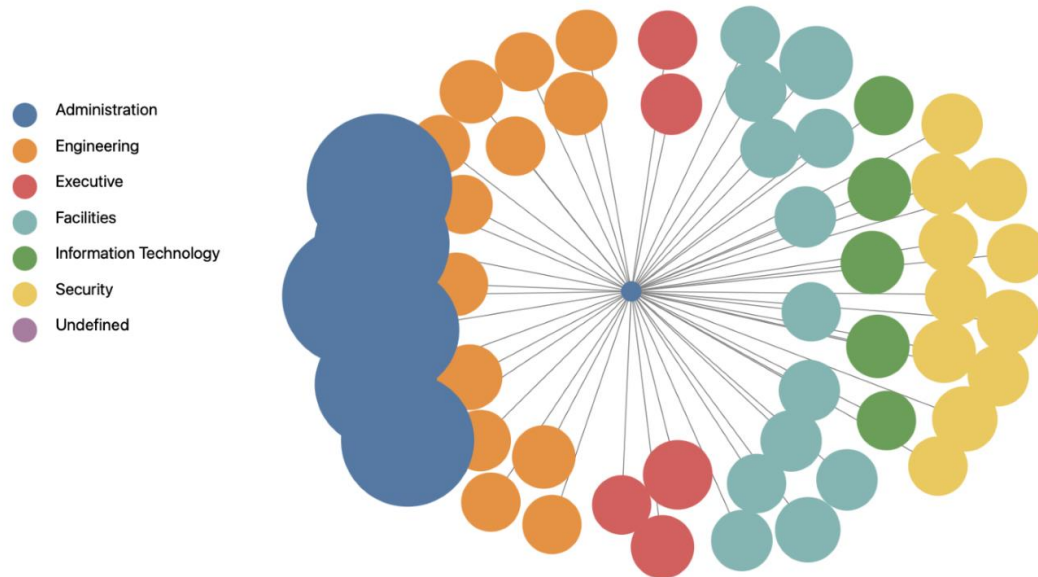


Birth and Citizenship Country condition

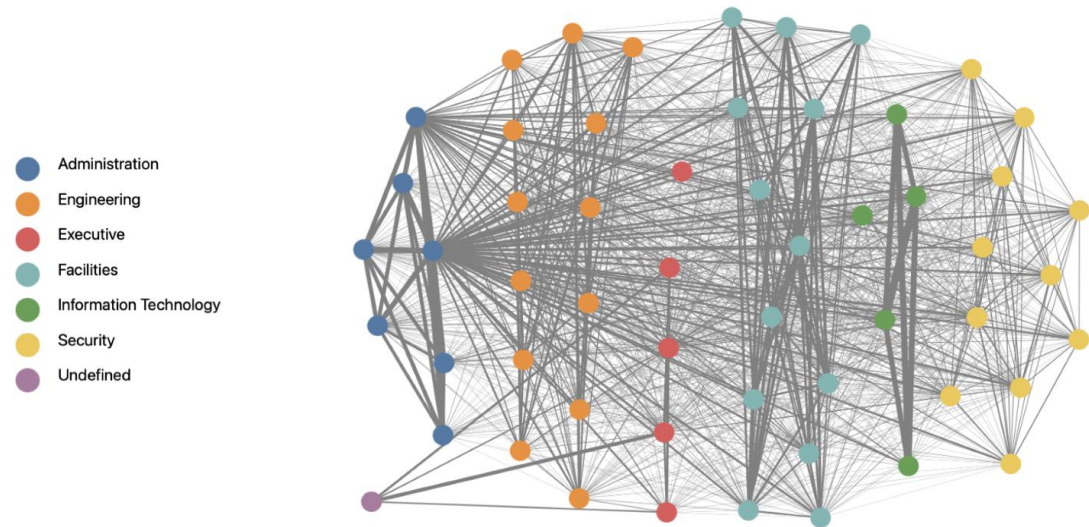


GAStech Employees who Contacts their Co-workers via Email

Employee Email Contact Distribution

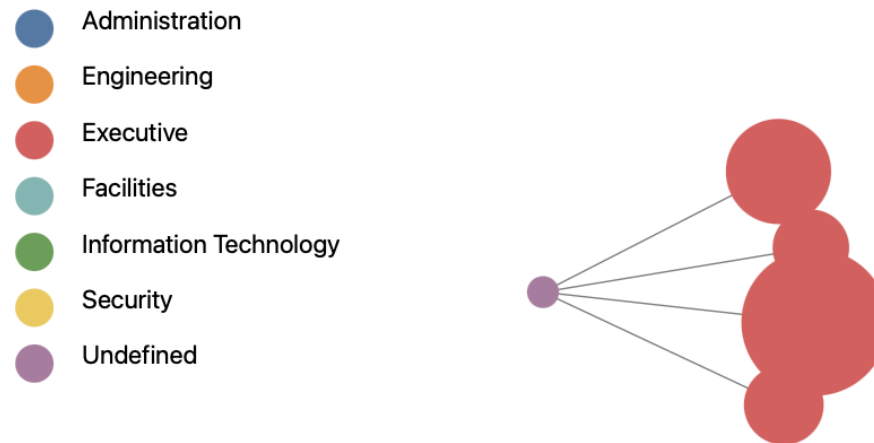


Employee Email Contact Distribution



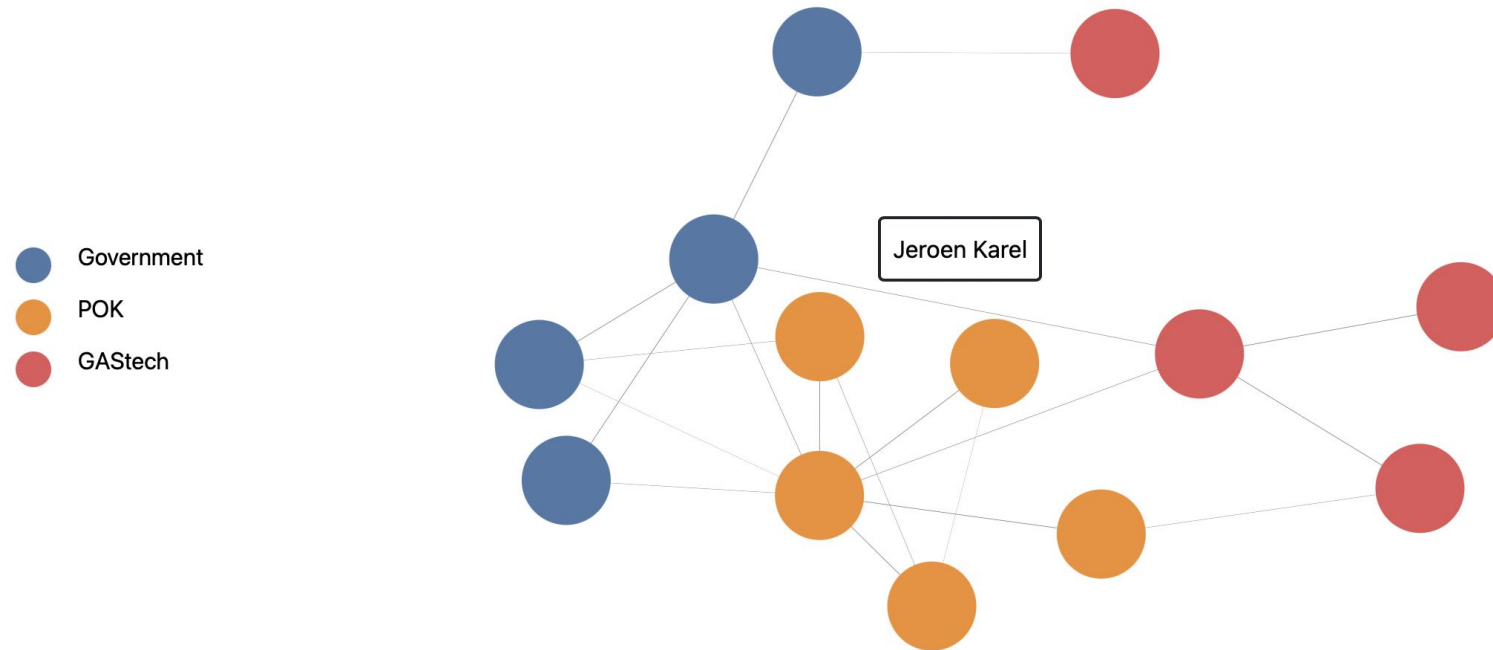
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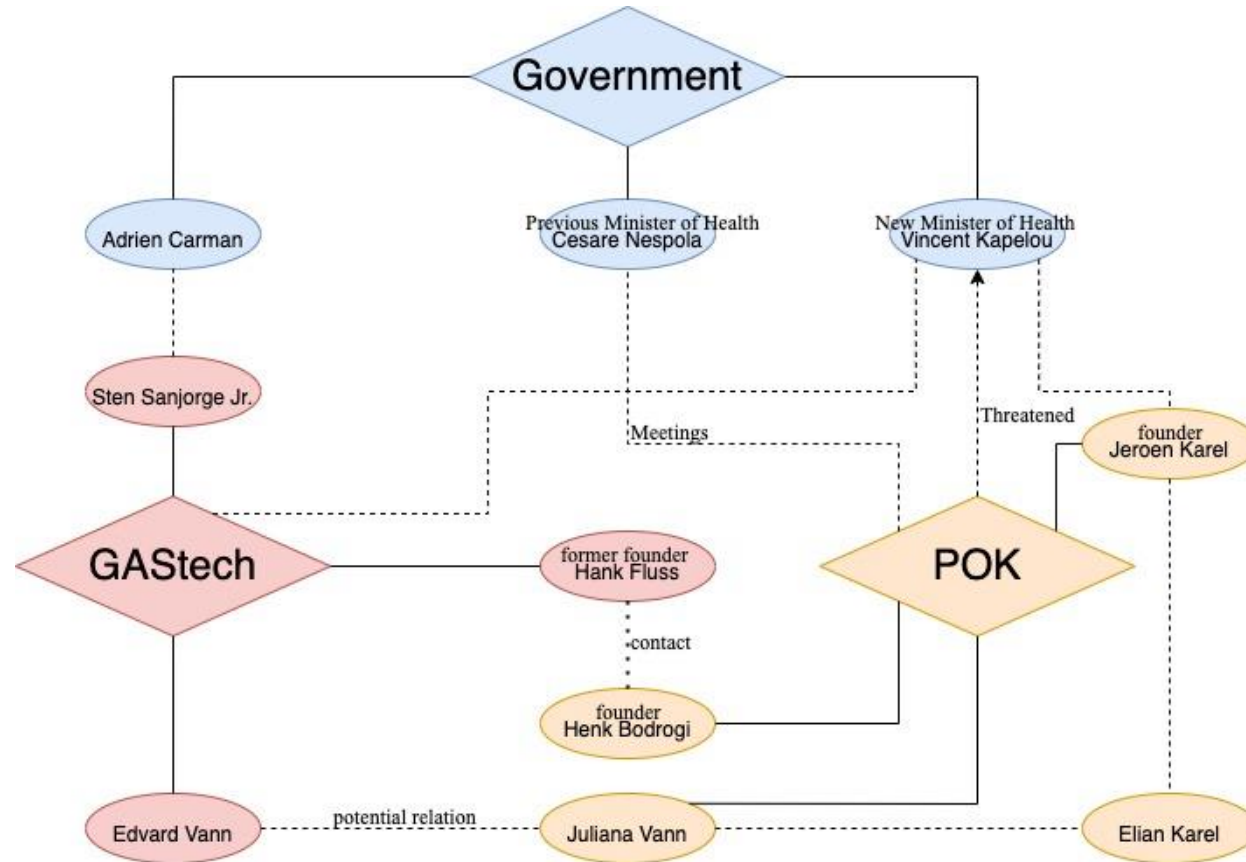


Main Figures Relationship

Relations Distribution



Conclusion





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Thank You