

Dataset:

<https://www.kaggle.com/datasets/arjunnsharma/patient-dataset-for-clustering-raw-data>

Research Question Ideas:

1. Can we segment different patient profiles by age groups based on cholesterol levels?
2. Can we use classification to predict if a patient is high/medium/low risk for having high cholesterol based on their attributes?
3. Carson: Do health behavior patterns (smoking, exercise, residence type) form natural clusters that align with geographic or lifestyle segmentation?
4. Carson: Can clustering techniques reveal hidden subpopulations within heart disease patients based on biometric and lifestyle data?

Titles:

- Alex: Team Lead
- Arman: Assistant Team Lead/Scribe
- Trinity: Coding
- Carson: Coding
- Treasure: Writing

Final Project Roles (Due 5/8):

- Introduction: Treasure
- About the data: Treasure
- Methods: Carson, Trinity
- Evaluation: Alex
- Storytelling and Conclusion: Alex
- Impact Section/Create Repository: Arman
- Code/Data: Trinity, Carson

Final Project Proposal Roles (Due 4/25):

- Introduction: Treasure
- Data: Treasure

- Methodology Plan: Carson, Trinity
- Evaluation Plan: Alex
- Github Repository and Initial Tasks: Trinity, Carson
- Group Expectations: Alex

Emails:

- Treasure: tsmit409@charlotte.edu
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- Arman: akaur6@charlotte.edu
- Trinity: tturne60@charlotte.edu
- Alex: anunez7@charlotte.edu

Project Proposal Timeline:

- Research Question: Monday - 4/14 - **Complete**
- Introduction: Tuesday - 4/15 - **Complete**
- Data: Wednesday - 4/16 - **Complete**
- Methodology Plan: Thursday - 4/17 - **Complete**
- Evaluation Plan: Friday - 4/18 - **Complete**
- Github Repository and Initial Tasks: Thursday - 4/17 - **Complete**
- Group Expectations - Monday - 4/14 - **Complete**
- Final Proposal: Friday - 4/25 -