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Final Project Proposal:

* **Outline the goals (scope) and purpose of your project**

*Our goal is to study the features of heart disease in order to better predict the likelihood of someone suffering a heart attack. We will use several Machine Learning models to verify our predictions. We will further mine data for analysis and visualization to show answers to specific questions about disease progression and symptomatic features.*

* **Create a brief summary of your interests and intent:**
  + What kind of data would you like to work with, or what field are you interested in?

*We will use an IEEE Dataport called heart\_statlog\_cleveland\_hungary\_final.csv, which is a comprehensive dataset combined from 5 independent heart disease datasets. It is the largest heart disease dataset available so far for research purposes.*

* + **What kind of questions could you ask of that data?**

*We will let the data guide us towards making findings about the different features of heart disease and how they contribute to someone suffering a heart attack. Some example questions we may be asking:*

1. *How does sex play a role in the likelihood of someone suffering a heart attack?*
2. *Which levels of coronary artery disease are most prevalent in those who suffer heart attacks?*
3. *How does age factor in to the development of coronary artery disease?*
   * **What sources might you find this data?**
   * <https://ieee-dataport.org/open-access/heart-disease-dataset-comprehensive>
   * additional sources if needed