

## Lab 5

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- What is the dataset type(s)?
  - Table
- How many fields/attributes does it have?
  - 7
- How many items are there?
  - 499
- Analyze for each field:
  - If it is a categorical attributes, write down the number of unique levels
    - Donor: 24 unique levels
    - Recipient: 129 unique levels
    - Coalesced purpose name: 133 unique levels
  - If it is a quantitative attributes, specify the range from min to max and note any other characterization that seems potentially useful (cyclic? Anything else?)
    - Aid data Id: min: 3002660 max: 98755850 sequential characteristic
    - Year: min: 1991 max: 2010 sequential characteristic
    - Commitment amount USD constant: 0.152847 max: 101905000 sequential characteristic
    - Coalesced purpose code: min: 11110 max: 99820 sequential characteristic
- Write 1 question you would like to answer with this data set, from the point of view of an aid worker reporting to the government of a country providing aid.
  - **<Q1>How much of our money is going to public services, and how much is going towards government needs?**
- Write 1 question you would like to answer, from the point of view of a journalist reporting to the citizens of a country receiving aid.
  - **<Q2> How is the aid money being divided?**
- For each of the two questions (<Q1> and <Q2>), write the following information:
  - Do you need a chart in order to answer this question? [If your question doesn't require a chart, try to create a new one that might benefit from one]
    - Q1: Yes, a chart would be able to present the purposes of each donation the country has made, which allows us to see

how much we are spending on things like elections compared to public services like education.

- Q2: A chart would be helpful to answer this question, yes. The amount of money for each category would be useful.
- Which fields/attributes do you need to use to answer the question?
  - Q1: donor, coalesced purpose name, commitment amount USD
  - Q2: recipient, coalesced purpose name, commitment amount USD constant, year
- Do you need to transform the data in order to answer the question? If yes, what transformations are needed?
  - Q1: Yes, we would need to organize which purposes are for public services and which are not.
  - Q2: no, we can use the data as it is presented in a new chart or graph
- Do data set type and attribute type change when you need to transform the data? If yes, how do they change?
  - Q1: No
  - Q2: no
- Do you have all the data you need to answer this question, or would you need additional data fields that are not provided here?
  - Q1: You would likely need an extra field to determine where the money was for public services or not.
  - Q2: I have all the data needed