Introduction to GGobi

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Homework

- Due next week
- 1 page typed response to the lectures
- What did you learn? Find interesting? Useful?
- What didn’t you understand? What do you want to find out more about?
Outline

• Install GGobi
• Demo with tipping data
• Questions and tools
• Your turn
Installing GGobi

• Follow instructions at http://www.ggobi.org/downloads

• How many of you have a usb drive?
Questions about the data

• How is this distributed?
• How is this related to that?
  • Both continuous
  • Both categorical
  • One continuous, one categorical
• How are these things related to those things
Tool box

• Many views
• Linked brushing
• Identify
• Tour (next week)
Distribution

- Categorical data: Bar plot
- Histogram (under bar chart display)
- ASH plot (1d plot, under scatterplot display)
Relationships

- Scatterplot
- Two plots + linked brushing
Linked brushing

• How can we link together multiple plots
• With brushing! When we do something to an observation in one view, the changes are propagated to all the other views
• Key shortcut: B
• Persistent or transient
Identify

• Pretty simple to use
• Lets you look up values in the original data
• Key shortcut: I
Using GGobi

- Focus indicator
- Display mode
- Interaction mode
- Display type
Explore the data!

Download off the class website

• Experiment with different features
• Try to come up with questions of the data, and then try and answer them
• Will report one interesting finding to the rest of the class
Next time

- High-dimensional games