Thinking about data

- Data + Picture = a compelling way to tell a story

- Where we're headed

  - Think of a **graph** you'd like to produce – a "visualization"
  - And the **story** it tells
  - And the **data** that went into it

- Examples (links on *Topic outlines & links* page) [Gapminder]

- Questions about graphs

  - What did you learn, what is the **story**?
  - **What else** would you like to know?
  - Where did the **data** come from?

- Examples revisited, answer the questions

- Course projects

  - Course structure: tools, project
  - Opportunity to show off your skills (Projects directory of GitHub repo)
  - First step: develop project ideas (**ideas are developed, not discovered**)
  - What interests you? (finance? movies? soccer?)

- Idea machines

  - Start with an idea or subject (what interests you?)
  - Start with a dataset (you'll know more shortly)
  - Start with an example (see link on data page)
  - Start with a suggestion from the people you work with

- Three ideas

  - Put red sticker on your computer
  - Goal: write down three ideas, 1-2 sentences each (see handout)
  - Use your imagination, don't overthink it (improv: what's your name?)
  - Talk to your neighbors, bounce ideas around
  - Or look at the *Data sources* page of the course website
  - When you're done, switch to green sticker
  - Share an idea with the class, ask for suggestions for developing further
  - Save ideas for future reference
  - Optional: leave a copy with me

Data Bootcamp: Three Project Ideas

Write down three project ideas, a sentence or two each. We'll use them for class discussion. Save for later, they're a head start on coming up with a project idea.