

Fonts

- `PFont.list();`
 - Returns a String array of available font names
`println(PFont.list());`
- `createFont(name, size);`
- `createFont(name, size, smooth);`
 - Returns a PFont object to be used by Processing
- `textFont(font)`
- `textFont(font, size);`
 - Sets the current font
- `textAscent() / textDescent();`
 - Returns height of current font above / below baseline
- `textWidth(string)`
 - Returns the width of a string using the current font

Create Font Utility

- Load created font files into a PFont object using...

```
loadFont( filename );
```

WHO Tuberculosis Data

<http://www.who.int/tb/country/data/download/en/index.html>

```
// ParseFile1

String[] data;
int count = 0;

void setup() {
    // Load data from a file as array of strings
    data = loadStrings("reduced.csv");
}

void draw() {
    // Continue printing data until run out
    if (count >= data.length) return;
    println(data[count]);
    count++;
}
```

```

// ParseFile2
String[] data;
Item[] items;
int count = 0;

void setup() {
  // Load data as array of strings
  data = loadStrings("reduced.csv");
}

// Build object array
items = new Item[data.length];
for (int i=0; i<data.length; i++) {
  items[i] = new Item(data[i]);
}

void draw() {
  //Continue printing data until run out
  if (count >= items.length) return;
  items[count].pr();
  count++;
}

class Item {
  String country; // Country name
  int year; // Year
  int pop; // Population
  int inc; // Incidences of TB per 100,000

  Item(String line) {
    String[] data = line.split(",");
    country = data[0];
    year = int(data[1]);
    pop = int(data[2]);
    inc = int(data[3]);
  }

  void pr() {
    String msg = "In " + year + ", " + country +
      " had population " + pop +
      " and TB incidences per 100k of " + inc;
    println(msg);
  }
}

```

Data Sources

<http://www.data.gov/>
<http://archive.ics.uci.edu/ml/>
<http://opendata.socrata.com/>
<http://www.reddit.com/r/datasets>

Data Source Lists

<http://www.quora.com/Data/Where-can-I-get-large-datasets-open-to-the-public>
http://www.readwriteweb.com/archives/where_to_find_open_data_on_the_web

Ideas for Visualizations

http://www.visual-literacy.org/periodic_table/periodic_table.html

GapMinder

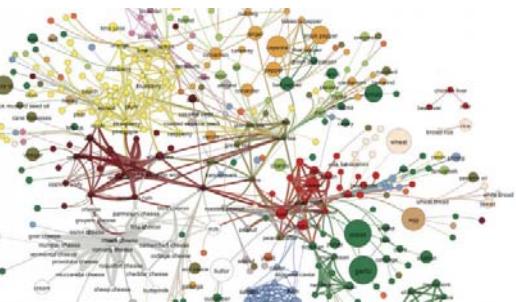
<http://www.gapminder.org>
<http://www.gapminder.org/videos/hans-roesling-on-cnn-us-in-a-converging-world/>

Hans Rosling
 Karolinska Institutet
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Map of Science



Flavors and Their Chemical Relationships



Transportation Check-ins



