

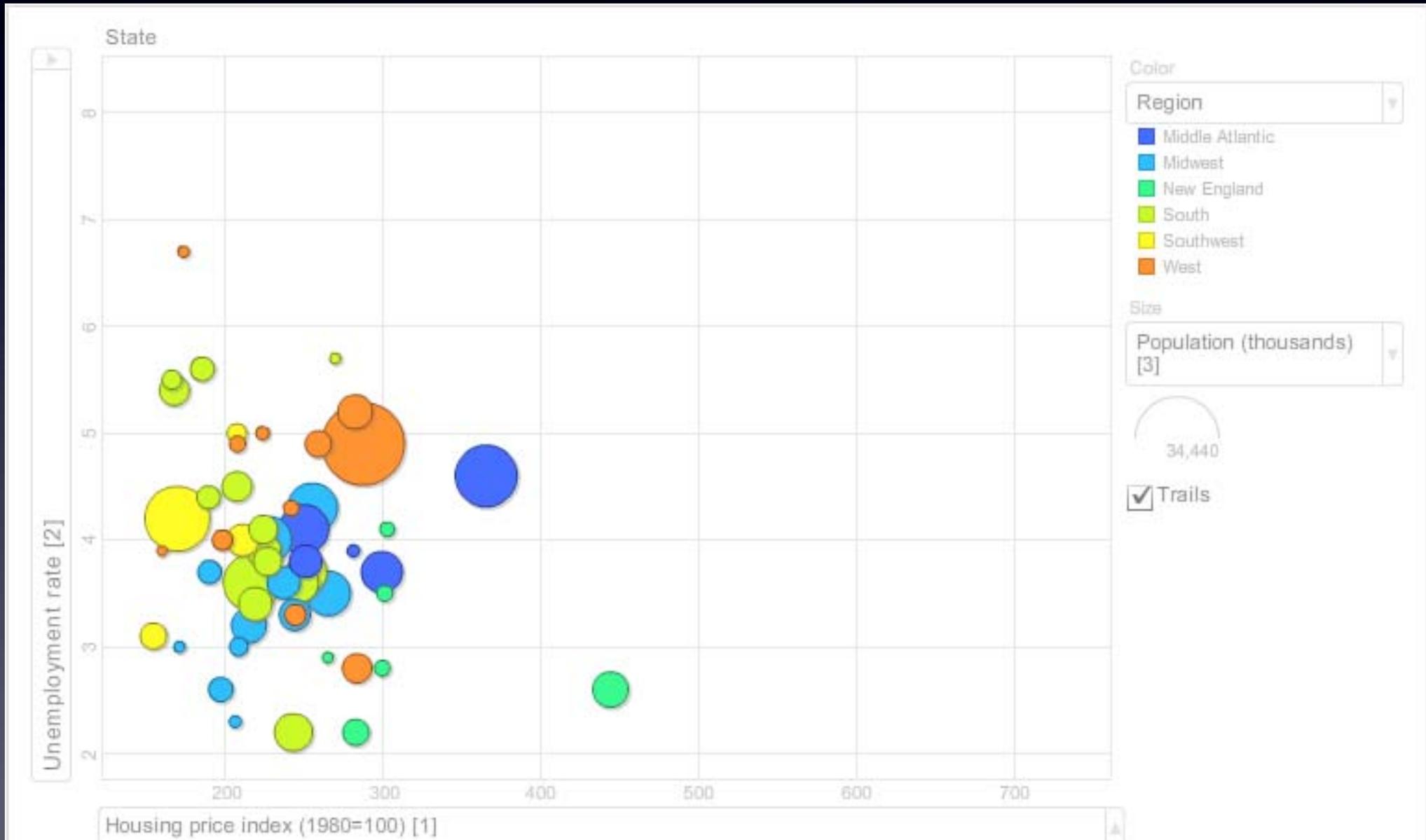
# Using Google MotionChart for Presentation of Verification Statistics

Tom Adams  
OHRFC

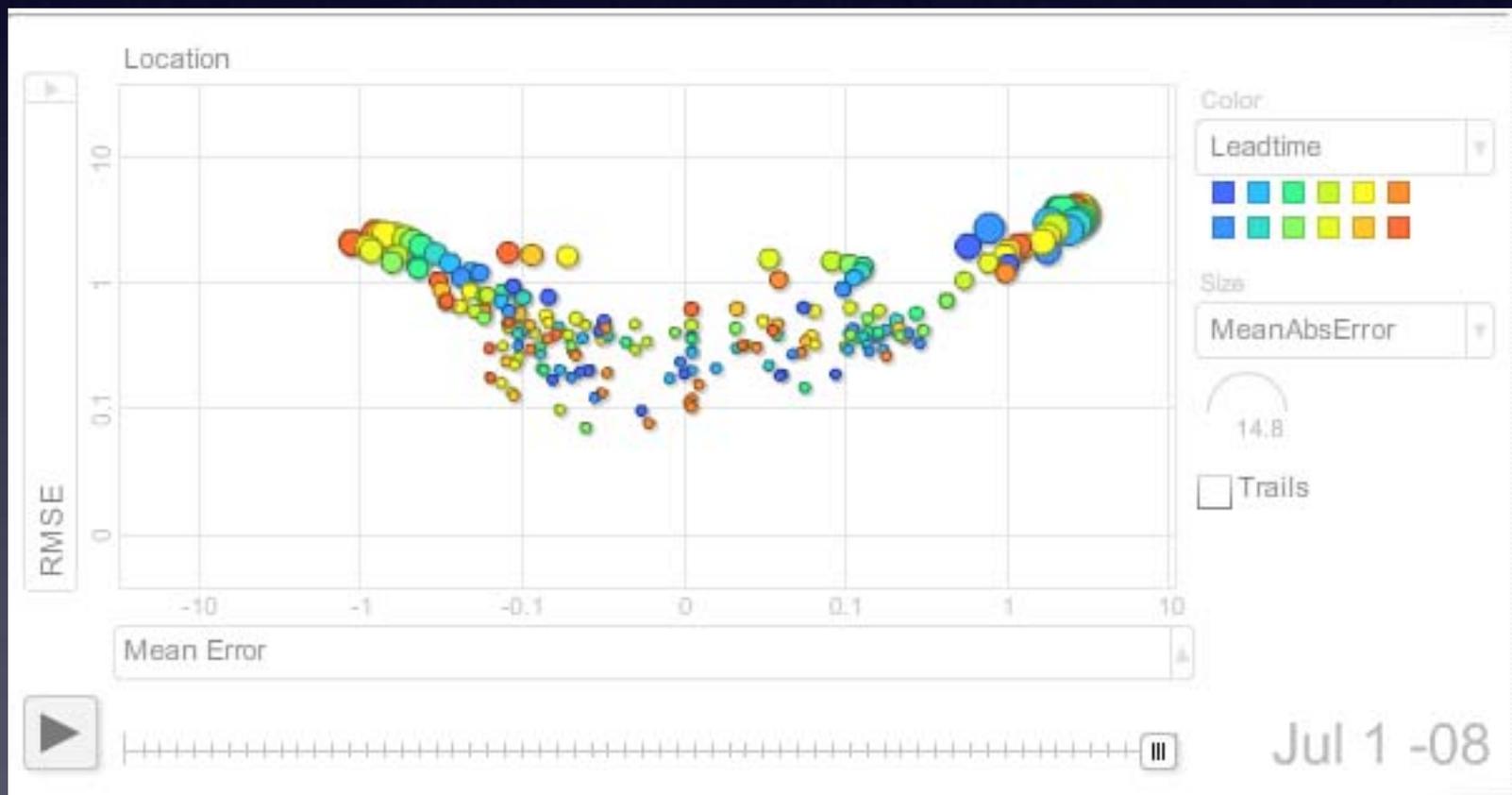
# What is MotionChart?

- Google Gadget —  
<http://www.google.com/ig/directory?url=www.google.com/ig/modules/motionchart.xml>
- Derived from Gapminder
  - <http://www.gapminder.org/>
  - Gapminder is a non-profit venture promoting sustainable global development and achievement of the United Nations Millennium Development Goals by increased use and understanding of statistics and other information about social, economic and environmental development at local, national and global levels.
- Presentation by Hans Rosling
  - *Myths about the developing world* —  
<http://video.google.com/videoplay?docid=4237353244338529080&sourceid=searchf>

# Example MotionChart



# Example applied to OHRFC Verification Data



# OHRFC website

National Weather Service – Ohio River Forecast Center

http://www.erh.noaa.gov/ohrfc/bubbles.php

R Graph Gallery :: Home APEC Climate Center National Weather Service Forecast Center BMELib PGI for Mac OS X NoSerC: grib... User Guide gribtonc(1)...ux man page

OHRFC Experimental GE... AMS Annual Meeting Index – TechSideline.co... National Weather Servic... Program Organizer Con...

www.nws.noaa.gov

## National Weather Service Ohio River Forecast Center

News Organization Search

Local weather forecast by "City, ST" City, ST Go

OHRFC Home Rivers & Hydrology Observed River Cond. Forecast River Cond. Forecasts & Info 5-Day Flood Outlook Flash Flood Guidance Hydro Data Water Res. Outlook Cinci River Stage Nat'l AHPS Page Precip & Weather Observed Precip Forecast Precip Radar Ground Cond. HAS Page Nat'l Snow Cover Z/R Relationships Climate & History Nat'l Drought Info Outreach Toolkit La Niña/El Niño Historical Floods Shadyside Event Frances Event Ivan Event Additional Info River Forecasting Precip Verification Climate Pred. Ctr

### Significant River Flood Outlook

The graphic below is a new product as of August 2008

Location

Color: Leadtime

Size: MeanAbsError

14.8

Trails

Jul 1 -08

Main Link Categories:

[Main Page](#), [AHPS](#), [Observed Status](#), [Forecast Status](#), [Hydro Data](#), [Forecast Products](#), [Flood Outlook](#), [Flash Flood Guid.](#), [Cinci River Stage](#), [Observed Precip](#), [Forecast Precip](#), [Drought Info](#), [Z/R Relationships](#), [Nat'l Snow Cover HAS Page](#), [Ground Cond.](#), [Verification](#), [Observed Data](#), [Forecast Data](#), [Radar Loop](#), [About OHRFC](#), [HAS Unit](#), [River Forecasting](#), [Maps of the Area](#), [Vision Statement](#), [Historical Floods](#), [Shadyside Event](#), [Photo Gallery](#), [Climate Pred. Ctr](#), [USACE](#), [Nat'l Flash Flood](#), [USGS Hydrographs](#), [13 RFCs](#), [La Niña/El Niño](#), [Contact Us](#)

National Weather Service  
Ohio River Forecast Center  
1901 South State Route 134  
Wilmington, OH 45177-9708  
Page last modified: Monday, September 16, 2002

Disclaimer  
Information Quality  
Credits  
Glossary

Privacy Policy  
Freedom of Information Act (FOIA)  
About Us  
Career Opportunities

# What's needed?

- Used \*\_tab data from: /rfc\_arc/verify/output/op
- Include javascript from Google in OHRFC webpage
- write an awk script to reformat data into javascript code
- OHRFC webpage calls command to include javascript code
- Contact Mark Fenbers, at OHRFC

# What's needed...

Add gadgets to your homepage

http://www.google.com/ig/directory?url=www.google.com/ig/modules/motionchart.xml

R Graph Gallery :: Home APEC Climate Center National Wea...cast Center BMElib PGI for Mac OS X NoSerC: grib... User Guide gribtonc(1):...ux man page

Add gadgets to your home...

Web Images Maps News Shopping Gmail more

Classic Home | Sign in

« Back to iGoogle home

## iGoogle

Gadgets Themes

### Motion Chart

US States

Color Region

- Middle Atl...
- Midwest
- New England
- South
- Southwest
- West

Size Population (thousands)

Unemployment rate

Housing price index (1980=100)

2006

### Motion chart

« Back to gallery

By Google

Official Google Gadget. Motion Chart: A dynamic flash based chart to explore several indicators over time. Required columns: bubble name, time and 2 columns of numeric values. Optional columns: Numeric values or categories.

1,110 users | ★★★★★ 14 ratings

[Add it now](#) [Share this gadget](#)

#### Comments (30)

1 2 3 4

[Sign in](#) to write a comment for this gadget.

**Simple and friendly** Anonymous - Aug 30, 2008  
I used the Trend Compass application and I find it much simpler to use.

**Documentation Needs Improvement** Nathan McNulty - Aug 28, 2008  
So, turns out the app works...it's just not able to plot data of the type I need it to. Please work on making a better "How-To" guide - this is a need program, but it has limitations that should be carefully spelled out for users.

**Chart Not Loading** Nathan McNulty - Aug 28, 2008  
What's the deal Google Development Team? I can't get the Motion Chart gadget to fully load within a Google Spreadsheet either. I find it hard to believe everyone here is having trouble just because we don't know what we're doing...the formatting of the data seems pretty simple. Is this app just busted? Are there any plans to debug it?

**Trend Compass Data Visualization** Anonymous - Aug 23, 2008  
Try trend compass at [www.epicsyst.com](http://www.epicsyst.com). It will show small number of data points.

### Search for gadgets

### You might also like...

**Google Map Search**  
★★★★☆ 188 ratings

**Solar System in Motion**  
★☆☆☆☆ 3 ratings

**Andalucia Towns And Villages**  
☆☆☆☆☆ 0 ratings

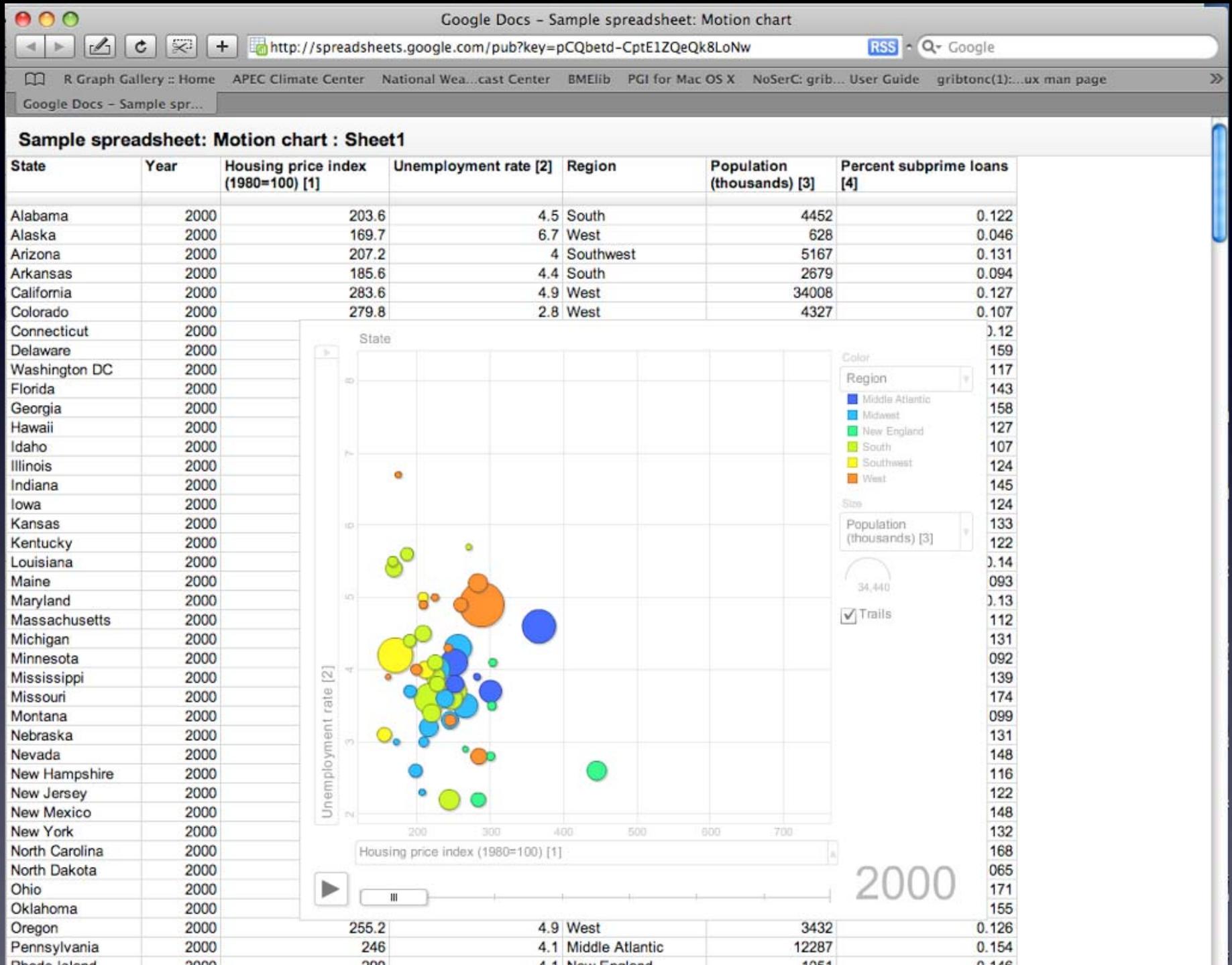
### For webmasters

[Place an "Add to Google" button »](#)

[Embed this gadget »](#)

[View source »](#)

# What's needed...



Thank you!

Questions?