

### **Short Description:**

#### ***Generating Online Databases With Maps and Timelines***

**Faculty:** Beverly SILVER    **Fellow:** Sahan Savas KARATASLI

Using MySQL, JavaScript, Google Maps, Marker Clustering and PHP language, we established a website located on a Hopkins server through which students in Research Practicum courses can (1) create and modify datasets with temporal-spatial information and (2) simultaneously produce maps and timelines from these datasets. Instructors will be able to immediately see the maps and timelines produced by students, and use them for class lectures and discussions. For example, the instructor will be able to call up the students' collated datasets, graphed time series and maps in order to lecture and lead discussions on methodological issues (e.g., validity and inter-coder reliability) and on the substantive patterns emerging from the student's collective research.

### **For the Brochure:**

#### ***Generating Online Databases With Maps and Timelines***

**Faculty:** Beverly SILVER

**Fellow:** Sahan Savas KARATASLI

**School:** Krieger Arts and Sciences

**Department:** Sociology

**Discipline:** Macro-Historical Sociology

### **Issue**

In students often search online newspaper archives and produce databases on social protest. Previously students had to enter the data in MS ACCESS / MS EXCEL, instructors and TAs for these courses had to collate students' files and to import it into Arc-GIS to produce maps and timelines. It was not possible to provide classroom discussions on methodological & substantive issues regarding data collection as the data was being collected.

### **Solution**

Using MySQL, JavaScript, Google Maps, Marker Clustering and PHP, we created a web-site located on Sociology server at Hopkins, through which students in Research Practicum courses can (1) create and modify datasets with temporal-spatial information and (2) simultaneously produce maps and timelines from these datasets. Instructors will be able to immediately see the maps and timelines produced by students, and use them for class lectures and discussions. With this web-site the instructor is able to call up the students' collated datasets, graphed time series and maps in order to lecture and lead discussions on methodological issues (e.g., validity and

inter-coder reliability) and on the substantive patterns emerging from the student's collective research.

**Audience:**

Global Social Protest Research Working Group at the Arrighi Center for Global Studies as well as students enrolled in 230.325 Comparative and Historical Research Practicum, 230.359, Research Seminar on Global Social Protest, 230.314, International Development and 230.265 Research Tools and Technologies for Social Sciences Courses.

**Technologies:**

MySQL, JavaScript, Google Maps, Marker Clustering and PHP

Screenshots:

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[Data Collection Instructions](#)

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[Enter New Data](#)

[Edit Data](#)

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[Lexis-Nexis Database](#)

### DATA SUMMARY

ID	Coder	Source	Title	A.Year	A.Month	A.Day	E.Year	E.Month	E.Day	Type	Country
3079	SSK	New York Times	Tahrir Square, Walled In	2011	12	23	2011	2011	12	23	Egypt
3078	SSK	New York Times	Kazakhstan Orders Curfew for Oil Town	2011	12	18	2011	2011	12	18	Kazakhstan
3077	SSK	New York Times	Grasping at Peace, War Zone of a City Tests Yemen	2011	12	12	2011	2011	12	12	Egypt
3076	SSK	New York Times	Grasping at Peace, War Zone of a City Tests Yemen	2011	12	12	2011	2011	12	12	Yemen
3075	SSK	New York Times	U.N. Official Likens Unrest in Syria to Civil War, and Death Toll Is Said to	2011	12	2	2011	2011	12	2	Syria

[Switch to Unclustered Map](#)

[Switch to Monthly Timeline](#)

Year	Number of Mentions
1991	~10
1993	~10
1995	~10
1997	~10
1999	~10
2001	~10
2003	~10
2005	~10
2007	~10
2009	~10
2011	~1300

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