**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:**


**Technologies:**

MySQL, JavaScript, Google Maps, Marker Clustering and PHP
Screenshots:

DATA SUMMARY

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