

GIS and Precision Journalism



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Searching for Tools



- Precision journalism is all about using tools developed for other disciplines and industries
- Examples:
 - Spreadsheets – accountants
 - Database programs – business information managers
 - Polling – market researchers and political campaigns
 - Statistical analysis – social scientists
 - Social network analysis – social scientists
- Geographic Information Systems – Government, industry and science

GIS in Journalism: We've come a long way



- **Disasters: Hurricanes, floods, fires, quakes**
- **Crime: Patterns, sex offenders**
- **Census: Growth and demographic change**
- **Environment: Toxic waste and natural resources**
- **Politics: Campaign finance, elections**
- **Transportation: Commuting patterns and bus routes**

Tool treasure hunt at ESRIUC



- Working with Spatial Statistics
- Regression Analysis Basics
- Geostatistical Analyst
- Mapping Access to Health Care
- Spatial Analyst
- Network Analyst
- Election Tools – Present and Future
- Working with Temporal Data
- Law Enforcement Data Mining
- Property Assessment in GIS

Some ESRI UC tracks



- **Law enforcement and criminal justice**
- **Homeland security**
- **Census**
- **Disaster management and emergency response**
- **Emergency medical services**
- **Transportation**
- **Atmosphere, Climate and Weather**
- **Ecology and conservation**

Map Room



- **Dam break analysis**
- **Fire risk models**
- **Mapping meth abuse**
- **Park access for children of color**
- **Geographic bias in the NFL draft**
- **HAZUS: hazard loss estimation software**
- **Map of the “Lost” island**
- **Mapping hate in the U.S.**
- **Blood lead violation map**

Map Room (continued)



- **Poison center calls**
- **“Data rose” graphic of 10 crime types by month**
- **Map of lis pendens addresses**
- **Spatial distribution of “Missed Connections” ads**

Discussion?

