Where Should You Live?

Michael Lieberman
Behjat Siddiquie
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- **Purpose:** Analyze current and historical crime data to find:
  - Correlations between different crime types
  - Crimes with distinctive patterns
  - Cities with unusual patterns of crime
  - Crime trends over time

- **Tools:** HCE, TimeSearcher

- **Dataset:** FBI Uniform Crime Reports

<table>
<thead>
<tr>
<th>Jurisdiction</th>
<th>State</th>
<th>Population</th>
<th>Violent Crime</th>
<th>Property Crime</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td>Murder and nonnegligent manslaughter</td>
<td>Burglary</td>
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<td></td>
<td></td>
<td></td>
<td>Forcible rape</td>
<td>Larceny-theft</td>
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<td></td>
<td>Robbery</td>
<td>Motor vehicle theft</td>
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<td>Aggravated Assault</td>
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</tbody>
</table>
Rape: an unusual pattern
Larceny: A “Normal” Crime?
The Tumultuous 90s: Spikes in Assault
Critique: HCE

- Wide variety of visualizations possible
- Problems with color scales
- Clustering tool settings are reset
- Issues with Profile Search
Critique: TimeSearcher

- Extremely useful for visualizing time series data
- Y-axis has fixed scale
- User interface response issues
Thanks!

Questions?