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Does Local Government Coproduction Lead to Budget Adjustments? An Investigation of Boston & San Francisco

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Does Local Government Coproduction Lead to Budget Adjustments?
An Investigation of Boston & San Francisco

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H1: Government functions directly tied to the 311 system will show significantly larger increases in budget share than those not tied to 311 systems.

H2: Increasing citizen participation in service delivery, as measured by 311 requests, will increase a department’s budget allocation.

Hypotheses

Methodology

Difference-in-Difference

OLS Modeling
Data

Budget Data
- Boston & SF FY2005-FY2013
- DV:
  - Per capita departmental allocations in each year for both cities
  - Non-normal distribution may bias results → use a logged DV

Independent Variables
- Diff-in-Diff Estimators:
  - Pre/Post 311 implementation dummy variable
  - “Have used 311” dummy variable
  - Interaction of these two
- Total 311 requests to each departmental unit (lagged 1 year)

Independent Variables-Controls
- GDP/Capita (mid-year estimates for ea. year)
- Share of Employees in Dept.
- Trend control (models 13-16 only)

Table 1: Use/Non-Use of 311 by City

<table>
<thead>
<tr>
<th></th>
<th>SF</th>
<th>Boston</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Has Not Used 311</td>
<td>46%</td>
<td>18%</td>
<td>64%</td>
</tr>
<tr>
<td>Department Has Used 311</td>
<td>53%</td>
<td>66%</td>
<td>42%</td>
</tr>
<tr>
<td>Total</td>
<td>53%</td>
<td>53%</td>
<td>106%</td>
</tr>
</tbody>
</table>

Results
Implications

Future Direction
Effects of 311-Enabled Coproduction on Local Government Credit Ratings