How Long Is That Commute?

*OnTheMap* Sheds Light on Distance from Home to Work

Rachel Strange
Indiana Business Research Center, Kelley School of Business, Indiana University
Commuting Data Sources

- Census Journey to Work
- American Community Survey
- Indiana State Tax Returns (IT-40)
- Local Employment Dynamics
## Census Journey to Work

Table 1. Residence County to Workplace County, 2006-2010

<table>
<thead>
<tr>
<th>Number</th>
<th>Margin of Error</th>
<th>Residence</th>
<th>Workplace</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>State</td>
<td>County</td>
</tr>
<tr>
<td></td>
<td></td>
<td>State</td>
<td>County</td>
</tr>
<tr>
<td>2,549</td>
<td>344</td>
<td>Indiana</td>
<td>Adams County</td>
</tr>
<tr>
<td>1,138</td>
<td>170</td>
<td>Indiana</td>
<td>Adams County</td>
</tr>
<tr>
<td>220</td>
<td>93</td>
<td>Indiana</td>
<td>Adams County</td>
</tr>
<tr>
<td>201</td>
<td>104</td>
<td>Indiana</td>
<td>Adams County</td>
</tr>
<tr>
<td>56</td>
<td>65</td>
<td>Indiana</td>
<td>Adams County</td>
</tr>
<tr>
<td>55</td>
<td>58</td>
<td>Indiana</td>
<td>Adams County</td>
</tr>
<tr>
<td>48</td>
<td>48</td>
<td>Indiana</td>
<td>Adams County</td>
</tr>
<tr>
<td>39</td>
<td>35</td>
<td>Indiana</td>
<td>Adams County</td>
</tr>
<tr>
<td>39</td>
<td>47</td>
<td>Indiana</td>
<td>Adams County</td>
</tr>
</tbody>
</table>
American Community Survey

• Means of Transportation (by a variety of demographics)
• Travel Time to Work
• Time Leaving Home to Go to Work
• Vehicles Available
Indiana State Tax Returns

Enter below the 2-digit county code numbers (found on the back of Schedule CT-40) for the county where you lived and worked on January 1, 2011.

County where you lived

County where you worked

County where spouse lived

County where spouse worked

Out of Allen

Noble 858
De Kalb 1,945
Whitley 1,298
Huntington 776

1,438 Out of State

Into Allen

Noble 2,214
DeKalb 2,938
Whitley 4,381
Huntington 3,117
Wells 2,972

STATS Indiana Commuting Profiles
Tax Year: 2011

How Long Is That Commute?

April 24, 2013
Local Employment Dynamics

• **Distance/Direction**
  – The distance and direction between residence and employment locations.

• **Destination**
  – The home or work destinations of workers employed or living in the selected area by type.

• **Inflow/Outflow**
  – The count and characteristics of worker flows into, out of and within the selected study area.

• **Paired Area Analysis**
  – Location and characteristics of workers sharing the selected home/work areas
Distance/Direction
State Level Commuting

Distance to Primary Job for Indiana Workers

- Greater than 50 miles: 14.8%
- 25 to 50 miles: 9.7%
- 10 to 24 miles: 26.1%
- Less than 10 miles: 49.4%

How Long Is That Commute?
April 24, 2013
How Long Is That Commute?

April 24, 2013
Where Indiana Workers Live

How Long Is That Commute?
Where Indiana Residents Work
Filtering the Labor Market

Filtering Options

Age
- 29 or younger
- 30 to 54
- 55 or older

Earnings
- $1,250/month or less
- $1,251 to $3,333/month
- More than $3,333/month

Industry
- Goods producing
- Trade, transportation and utilities
- All other services
Wages and Long Commutes

106,834 workers earn $1,250/month or less and travel more than 50 miles.

That equates to 18% of those in this earnings bracket and 29% of those traveling more than 50 miles.
Differences Between Cities

Job Counts by Distance/Direction

- Less than 10 miles
- 10 to 24 miles
- 25 to 50 miles
- Greater than 50 miles

Indianapolis

Fort Wayne

Evansville

South Bend

Hammond

Bloomington

Gary

Carmel

How Long Is That Commute?  
April 24, 2013
Differences within a City

Work in Bloomington

Live in Bloomington

Job Counts by Distance/Direction in 2010
All Workers

How Long Is That Commute?
April 24, 2013
Bar Charts vs. Radar

How Long Is That Commute? April 24, 2013
Don’t Forget the Small Towns

Work in Loogootee

Live in Loogootee

Jobs by Distance - Work Census Block to Home Census Block

<table>
<thead>
<tr>
<th>Distance Range</th>
<th>Count</th>
<th>Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 10 miles</td>
<td>1,128</td>
<td>100.0%</td>
</tr>
<tr>
<td>10 to 24 miles</td>
<td>592</td>
<td>52.5%</td>
</tr>
<tr>
<td>25 to 50 miles</td>
<td>271</td>
<td>24.0%</td>
</tr>
<tr>
<td>Greater than 50 miles</td>
<td>119</td>
<td>10.5%</td>
</tr>
<tr>
<td></td>
<td>146</td>
<td>12.9%</td>
</tr>
</tbody>
</table>

Jobs by Distance - Home Census Block to Work Census Block

<table>
<thead>
<tr>
<th>Distance Range</th>
<th>Count</th>
<th>Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 10 miles</td>
<td>1,095</td>
<td>100.0%</td>
</tr>
<tr>
<td>10 to 24 miles</td>
<td>407</td>
<td>37.2%</td>
</tr>
<tr>
<td>25 to 50 miles</td>
<td>342</td>
<td>31.2%</td>
</tr>
<tr>
<td>Greater than 50 miles</td>
<td>146</td>
<td>13.3%</td>
</tr>
<tr>
<td></td>
<td>200</td>
<td>18.3%</td>
</tr>
</tbody>
</table>

How Long Is That Commute?

April 24, 2013
Differences over Time

Percent of Elkhart County Residents by Commute Length over Time

- Less than 10 miles: 67% to 60%
- 10 to 24 miles: 22% to 24%
- Greater than 50 miles: 8% to 12%
- 25 to 50 miles: 4%
Click on one of the distance categories and OnTheMap will only show you data for that category.
Another Time Series

Decatur County Workers by Commute Length over Time

- Less than 10 miles
- 10 to 24 miles
- 25 to 50 miles
- Greater than 50 miles

Plant Opens

How Long Is That Commute?  April 24, 2013
Destination
Analysis Settings

Destination Analysis in 2010 by Primary Jobs

Home/Work Area
Determines whether the selection area is analyzed on where workers live ("Home") or where workers are employed ("Work").
- Home
- Work

Analysis Type
Determines the type of results that will be generated for the selected area
- Area Profile
  - Labor Market Segment
    - All Workers
- Area Comparison
  - Areas to Compare:
    - Places (Cities, CDPs, etc.)
    - Labor Market Segment
      - All Workers
- Distance/Direction
- Destination
  - Destination Type:
    - Counties

Job Type
Determines the scope of jobs that will be processed in the analysis
- All Jobs
- Primary Jobs
- All Private Jobs
- Private Primary Jobs

Year
Determines the year(s) of data that will be processed in the analysis
- 2010
- 2009
- 2008
- 2007
- 2006
- 2005
- 2004
- 2003
- 2002

How Long Is That Commute?  April 24, 2013
Where Adams Residents Work

How Long Is That Commute?
Top 25 Work Destinations

How Long Is That Commute?

April 24, 2013
How Do LED and Journey to Work Compare?

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Adams County, IN</td>
<td>6,621</td>
<td>10,232 (9,842-10,622)</td>
<td>49.3%</td>
<td>66.7%</td>
</tr>
<tr>
<td>Allen County, IN</td>
<td>2,427</td>
<td>2,549 (2,205-2,893)</td>
<td>18.1%</td>
<td>16.6%</td>
</tr>
<tr>
<td>Wells County, IN</td>
<td>870</td>
<td>1,138 (968-1,308)</td>
<td>6.5%</td>
<td>7.4%</td>
</tr>
<tr>
<td>Marion County, IN</td>
<td>636</td>
<td>21 (0-47)</td>
<td>4.7%</td>
<td>0.1%</td>
</tr>
<tr>
<td>Jay County, IN</td>
<td>361</td>
<td>220 (127-313)</td>
<td>2.7%</td>
<td>1.4%</td>
</tr>
<tr>
<td>St. Joseph County, IN</td>
<td>152</td>
<td>15 (0-38)</td>
<td>1.1%</td>
<td>0.1%</td>
</tr>
<tr>
<td>Hamilton County, IN</td>
<td>125</td>
<td>21 (0-44)</td>
<td>0.9%</td>
<td>0.1%</td>
</tr>
<tr>
<td>Elkhart County, IN</td>
<td>123</td>
<td>16 (0-39)</td>
<td>0.9%</td>
<td>0.1%</td>
</tr>
<tr>
<td>Grant County, IN</td>
<td>122</td>
<td>80 (14-146)</td>
<td>0.9%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Huntington County, IN</td>
<td>119</td>
<td>56 (18-94)</td>
<td>0.9%</td>
<td>0.4%</td>
</tr>
</tbody>
</table>
State of Indiana Results

How Long Is That Commute?

April 24, 2013
Where Hoosiers Work

<table>
<thead>
<tr>
<th>State</th>
<th>Count</th>
<th>Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indiana</td>
<td>2,400,179</td>
<td>93.2%</td>
</tr>
<tr>
<td>Illinois</td>
<td>73,469</td>
<td>2.9%</td>
</tr>
<tr>
<td>Kentucky</td>
<td>52,508</td>
<td>2.0%</td>
</tr>
<tr>
<td>Ohio</td>
<td>24,711</td>
<td>1.0%</td>
</tr>
<tr>
<td>Michigan</td>
<td>10,445</td>
<td>0.4%</td>
</tr>
</tbody>
</table>
Paired Area Analysis
Live in Indiana, Work in Illinois

How Long Is That Commute?

April 24, 2013
Learn More: Analysis Guides

http://lehd.ces.census.gov/applications/help/onthemap.html#!analysis_guides
Questions?

Rachel Strange
rmjustis@indiana.edu