REDEFINING NEBRASKA’S ECONOMIC REGIONS

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THE BASICS

- Nebraska is in the center of the US
- Population of 1,826,341 as of 2010 Census
- Top 5 Cities:
  - Omaha: 408,958
  - Lincoln: 258,379
  - Memorial Stadium during a home Husker Football Game: 91,000+
  - Bellevue: 50,137
  - Grand Island: 48,520
  - Kearney: 30,787
**But---Nebraska is Growing!**

- We now have three MSA’s
  - Omaha MSA (also includes 3 counties in Iowa)
  - Lincoln MSA
  - Grand Island MSA-NEW!
We had seven

Grand Island MSA was in the Central Region
REMOVE GRAND ISLAND

- Odd looking Central Region
WHAT TO DO?

- We decided that just taking the four counties of the Grand Island MSA out of the region might cause problems
  - Does this take away the economic center that held the region together?
  - Nance county looked odd being off by itself
- We needed to take a look at our regions and see if we needed to redefine them
  - We had to change them anyway for Grand Island
- So how did we go about this?
WE STARTED LOOKING AT MAPS....
Lots of Maps!
Maps of Other Agencies Geographies
CENSUS AND WORKFORCE DATA

- Population
- Labor force/Workforce
- Employment by Industry

But, we wanted something else to help tell us how these counties interrelate

- The LED data!
- Specifically OnTheMap
  - Distance/Direction
    - Gave a general idea
  - Destination Analysis
    - Worked perfectly!
### Analysis Settings

**Destination Analysis in 2011 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

- **Inflow/Outflow**
  - Note: Home/Work choice does not affect results

#### Year
Determines the year(s) of data that will be processed in the analysis.

- 2011
- 2010
- 2009
- 2008
- 2007
- 2006
- 2005
- 2004
- 2003
- 2002

#### Job Type
Determines the scope of jobs that will be processed in the analysis.

- All Jobs
- Primary Jobs
- All Private Jobs
- Private Primary Jobs

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**Cancel**  **Go!**
### Work Destination Report - Where Workers are Employed Who Live in the County

#### Total Primary Jobs

<table>
<thead>
<tr>
<th></th>
<th>2011</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Primary Jobs</td>
<td>1,260</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

#### Jobs Counts by Counties Where Workers are Employed - Primary Jobs

<table>
<thead>
<tr>
<th>County, NE</th>
<th>Count</th>
<th>Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nance County, NE</td>
<td>418</td>
<td>33.2%</td>
</tr>
<tr>
<td>Platte County, NE</td>
<td>304</td>
<td>24.1%</td>
</tr>
<tr>
<td>Douglas County, NE</td>
<td>69</td>
<td>5.5%</td>
</tr>
<tr>
<td>Lancaster County, NE</td>
<td>59</td>
<td>4.7%</td>
</tr>
<tr>
<td>Boone County, NE</td>
<td>53</td>
<td>4.2%</td>
</tr>
<tr>
<td>Merrick County, NE</td>
<td>37</td>
<td>2.9%</td>
</tr>
<tr>
<td>Colfax County, NE</td>
<td>35</td>
<td>2.8%</td>
</tr>
<tr>
<td>Madison County, NE</td>
<td>29</td>
<td>2.3%</td>
</tr>
<tr>
<td>Dodge County, NE</td>
<td>26</td>
<td>2.1%</td>
</tr>
<tr>
<td>Polk County, NE</td>
<td>23</td>
<td>1.8%</td>
</tr>
<tr>
<td>All Other Locations</td>
<td>207</td>
<td>16.4%</td>
</tr>
</tbody>
</table>
Lots of OnTheMap Reports!

- At first we only wanted to look at a handful of counties on the borders of our current economic regions.
- As we started to see this data and see it mapped, we kept gradually adding more.
- The data was pulled over about two weeks, a few more each day.
- Eventually we decided to look at all 93 counties.
MAKING THE MAPS

OnTheMap Data in Excel

<table>
<thead>
<tr>
<th></th>
<th>FIPS</th>
<th>County</th>
<th>Per live_work</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>001</td>
<td>Adams</td>
<td>66.6%</td>
</tr>
<tr>
<td>2</td>
<td>003</td>
<td>Antelope</td>
<td>27.8%</td>
</tr>
<tr>
<td>3</td>
<td>005</td>
<td>Arthur</td>
<td>20.0%</td>
</tr>
<tr>
<td>4</td>
<td>007</td>
<td>Banner</td>
<td>19.0%</td>
</tr>
<tr>
<td>5</td>
<td>009</td>
<td>Blaine</td>
<td>7.8%</td>
</tr>
<tr>
<td>6</td>
<td>011</td>
<td>Boone</td>
<td>39.1%</td>
</tr>
<tr>
<td>7</td>
<td>013</td>
<td>Box Butte</td>
<td>57.7%</td>
</tr>
<tr>
<td>8</td>
<td>015</td>
<td>Boyd</td>
<td>34.9%</td>
</tr>
<tr>
<td>9</td>
<td>017</td>
<td>Brown</td>
<td>56.8%</td>
</tr>
<tr>
<td>10</td>
<td>019</td>
<td>Buffalo</td>
<td>73.6%</td>
</tr>
<tr>
<td>11</td>
<td>021</td>
<td>Burt</td>
<td>32.9%</td>
</tr>
<tr>
<td>12</td>
<td>023</td>
<td>Butler</td>
<td>33.5%</td>
</tr>
<tr>
<td>13</td>
<td>025</td>
<td>Cass</td>
<td>20.1%</td>
</tr>
<tr>
<td>14</td>
<td>027</td>
<td>Cedar</td>
<td>42.6%</td>
</tr>
</tbody>
</table>

ArcGIS Mapping Software

ArcGIS® 10.2
Initializing Application.
LED COMMUTING PATTERNS

% live and work in same county

- 7.8% - 9.9%
- 10.0% - 24.9%
- 25.0% - 39.9%
- 40.0% - 49.9%
- 50.0% - 74.9%
- 75.0% - 84.3%
GOOD BUT...

- We needed the map to tell us more
- We decided to add symbols and arrows to the map
  - Based on three main patterns that emerged
    - Majority live and work in the same county
    - Less than 50% live and work in the same county, but the home county is still where the highest percentage of workers live
    - The highest work county is not the home county
**MAJORITY LIVE AND WORK IN SAME COUNTY**

- We figured they were “self contained”
  - Marked with a “spiral” symbol
- For Example:
  - Scotts Bluff: 77.8% works and lives in the same county
However, the home county is still where the highest percentage of workers live.

But they start showing ties to surrounding counties:
- marked with a black arrow to second work county.

For Example:
- Morrill: 41.3% works and lives in the same county.
- The next highest amount of workers work in Scotts Bluff.

% live and work in same county
- 7.8% - 9.9%
- 10.0% - 24.9%
- 25.0% - 39.9%
- 40.0% - 49.9%

Department of Labor
HIGHEST WORK COUNTY IS NOT THE HOME COUNTY

- These are where people are really not staying for work
- Marked with a blue arrow to highest work county
- For Example:
  - Banner: 19% works and lives in the same county
  - The highest amount of workers work in Scotts Bluff
But we wanted to see more!

- For the people leaving the county for work, what percent of the workers is that?
  - We used this data for the first map, but we wanted specifics

- So we added even more detail to the map
  - The first % lives and works in the home county
  - The second % working elsewhere, highest county % shown

- For Example:
  - Banner: 19% live and work there
  - 33.6% work in Scotts Bluff

% live and work in same county

- 7.8% - 9.9%
- 10.0% - 24.9%
- 25.0% - 39.9%
- 40.0% - 49.9%
- 50% or more - 74.9%
LED COMMUTING PATTERNS

% live and work in same county

- 7.8% - 9.9%
- 10.0% - 24.9%
- 25.0% - 39.9%
- 40.0% - 49.9%
- 50.0% - 74.9%
- 75.0% - 84.3%

- Highest work county is not the home county
- Less than 50% lives and works in home county, home county is highest work county
- 50% + lives and works in home county

First %: % lives and works in home county, Second %: % working elsewhere, highest county % shown
For example: 13.6% live and work in Sioux County, 33% work in Scotts Bluff County
## Raw Data

<table>
<thead>
<tr>
<th>County</th>
<th>Count</th>
<th>Share</th>
<th>Work County 1</th>
<th>Count</th>
<th>Share</th>
<th>Work County 2</th>
<th>Count</th>
<th>Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adams</td>
<td>8,339</td>
<td>66.6%</td>
<td>Hall County, NE</td>
<td>1,436</td>
<td>11.5%</td>
<td>Buffalo County, NE</td>
<td>517</td>
<td>4.1%</td>
</tr>
<tr>
<td>Antelope</td>
<td>937</td>
<td>27.8%</td>
<td>Madison County, NE</td>
<td>525</td>
<td>15.6%</td>
<td>Holt County, NE</td>
<td>199</td>
<td>5.9%</td>
</tr>
<tr>
<td><strong>Arthur</strong></td>
<td><strong>26</strong></td>
<td><strong>20.0%</strong></td>
<td><strong>Keith County, NE</strong></td>
<td><strong>19</strong></td>
<td><strong>14.6%</strong></td>
<td><strong>Lincoln County, NE</strong></td>
<td><strong>12</strong></td>
<td><strong>9.2%</strong></td>
</tr>
<tr>
<td>Banner</td>
<td>62</td>
<td>19.0%</td>
<td>Scotts Bluff County, NE</td>
<td>110</td>
<td>33.6%</td>
<td>Douglas County, NE</td>
<td>19</td>
<td>5.8%</td>
</tr>
<tr>
<td>Blaine</td>
<td>53</td>
<td>7.8%</td>
<td>Buffalo County, NE</td>
<td>146</td>
<td>21.4%</td>
<td>Hall County, NE</td>
<td>139</td>
<td>20.4%</td>
</tr>
<tr>
<td>Boone</td>
<td>1,019</td>
<td>39.1%</td>
<td>Platte County, NE</td>
<td>344</td>
<td>13.2%</td>
<td>Madison County, NE</td>
<td>159</td>
<td>6.1%</td>
</tr>
<tr>
<td>Box Butte</td>
<td>2,504</td>
<td>57.7%</td>
<td>Scotts Bluff County, NE</td>
<td>292</td>
<td>6.7%</td>
<td>Douglas County, NE</td>
<td>259</td>
<td>6.0%</td>
</tr>
<tr>
<td>Boyd</td>
<td>266</td>
<td>34.9%</td>
<td>Holt County, NE</td>
<td>216</td>
<td>28.3%</td>
<td>Douglas County, NE</td>
<td>51</td>
<td>6.7%</td>
</tr>
<tr>
<td>Brown</td>
<td>686</td>
<td>56.8%</td>
<td>Douglas County, NE</td>
<td>68</td>
<td>5.6%</td>
<td>Holt County, NE</td>
<td>59</td>
<td>4.9%</td>
</tr>
<tr>
<td>Buffalo</td>
<td>14,130</td>
<td>73.6%</td>
<td>Hall County, NE</td>
<td>1,293</td>
<td>6.7%</td>
<td>Lancaster County, NE</td>
<td>680</td>
<td>3.5%</td>
</tr>
<tr>
<td>Burt</td>
<td>944</td>
<td>32.9%</td>
<td>Douglas County, NE</td>
<td>438</td>
<td>15.2%</td>
<td>Washington County, NE</td>
<td>261</td>
<td>9.1%</td>
</tr>
<tr>
<td>Butler</td>
<td>1,289</td>
<td>33.5%</td>
<td>Platte County, NE</td>
<td>719</td>
<td>18.7%</td>
<td>Lancaster County, NE</td>
<td>503</td>
<td>13.1%</td>
</tr>
<tr>
<td>Cass</td>
<td>2,316</td>
<td>20.1%</td>
<td>Douglas County, NE</td>
<td>4,042</td>
<td>35.0%</td>
<td>Lancaster County, NE</td>
<td>2,207</td>
<td>19.1%</td>
</tr>
<tr>
<td>Cedar</td>
<td>1,438</td>
<td>42.6%</td>
<td>Yankton County, SD</td>
<td>423</td>
<td>12.5%</td>
<td>Wayne County, NE</td>
<td>194</td>
<td>5.7%</td>
</tr>
<tr>
<td>Chase</td>
<td>857</td>
<td>59.6%</td>
<td>Red Willow County, NE</td>
<td>90</td>
<td>6.3%</td>
<td>Hitchcock County, NE</td>
<td>46</td>
<td>3.2%</td>
</tr>
<tr>
<td>Cherry</td>
<td>1,527</td>
<td>59.0%</td>
<td>Todd County, SD</td>
<td>129</td>
<td>5.0%</td>
<td>Douglas County, NE</td>
<td>111</td>
<td>4.3%</td>
</tr>
</tbody>
</table>
WE DID A COLORING ACTIVITY!
LED COMMUTING PATTERNS - OLD REGIONS

% live and work in same county
- 7.8% - 9.9%
- 10.0% - 24.9%
- 25.0% - 39.9%
- 40.0% - 49.9%
- 50.0% - 74.9%
- 75.0% - 84.3%

Highest work county is not the home county
Less than 50% lives and works in home county, home county is highest work county
@ 50% + lives and works in home county

First %: % lives and works in home county, Second %: % working elsewhere, highest county % shown.
For example: 13.6% live and work in Sioux County, 33% work in Scotts Bluff County.
LED COMMUTING PATTERNS - NEW REGIONS

% live and work in same county
- 7.8% - 9.9%
- 10.0% - 24.9%
- 25.0% - 39.9%
- 40.0% - 49.9%
- 50.0% - 74.9%
- 75.0% - 84.3%

Highest work county is not the home county
Less than 50% lives and works in home county, home county is highest work county
50% - lives and works in home county

First %: % lives and works in home county, Second %: % working elsewhere, highest county % shown
For example: 13.6% live and work in Sioux County, 33% work in Scotts Bluff County
NEW LABOR MARKET INFORMATION
ECONOMIC DEVELOPMENT REGIONS

Panhandle

Sandhills

Grand Island MSA

Northeast

Omaha Consortium

Mid Plains

Central

Lincoln MSA

Southeast
NEW REGIONS WITH PAST OVERLAY

Mid Plains-
- lose Cherry, Grant, & Arthur to new Sandhills region

Panhandle-no change

Northeast-
- lose Keya Paha, Boyd, Brown, Rock, & Holt to new Sandhills region; gain Wheeler & Nance

Omaha Consortium
- no change

Lincoln MSA
- no change

Southeast-no change

New Economic Regions
- Panhandle
- Sandhills
- Omaha Consortium
- Mid Plains
- Lincoln MSA
- Central
- Southeast
- Grand Island MSA

Previous Regions Outlines

Central-
- lose Howard, Hall, Hamilton, & Merrick to Grand Island MSA;
- lose Nance & Wheeler to Northeast;
- lose Loup & Garfield to new Sandhills region
CONTACT INFORMATION

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Nebraska Department of Labor