

LMI Tuesdays

Introducing the new Commuting Profile Dashboard

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Agenda

- LODES Data and Why It Matters
- Definitions
- Previous Commuting Profile
- New Tool & How to Use

LODES Data and Why It Matters

- **L**(ongitudinal Employer Household Dynamics)
Origin-**D**estination **E**mployment **S**tatistics
- Data that allows us to track jobs and where the holders of those jobs live
 - Dashboard uses highest paying private sector job for an individual worker (shortened as private-primary)

LODES Data and Why It Matters

- People often live and work in different places
- Data allows us to see the extent to which this happens and helps us understand labor markets as regional, not local
- Useful for economic developers, policymakers, career center staff (e.g. program managers)

Definitions

- Origin County: the county where a worker resides
- Destination County: the county where a worker's job is located
- Outflow: the number of workers traveling *out of* an area
- Inflow: the number of workers traveling *into* an area
- Within Area: both living and working in an area

Previous Commuting Profile

<https://accessnc.nccommerce.com/DemographicsReports/>

- 2 page PDF
- Breakdown by earnings, age, and industry groups
- Data tables for top 10 inflows and outflows, with separate tables for out-of-state flows



Alamance County Commuting Report, Private Primary Jobs 2022

OVERALL INFLOW/OUTFLOW ANALYSIS

| Resident Flow (Live/Work in Alamance County) | Jobs |
|--|--------|
| Resident Live/Work in Alamance County | 23,901 |
| Worker Inflow | 31,698 |
| Resident Outflow | 37,220 |
| Net Flow | -5,522 |

COMMUTING FLOW ANALYSIS BY EARNING, AGE AND INDUSTRY GROUP

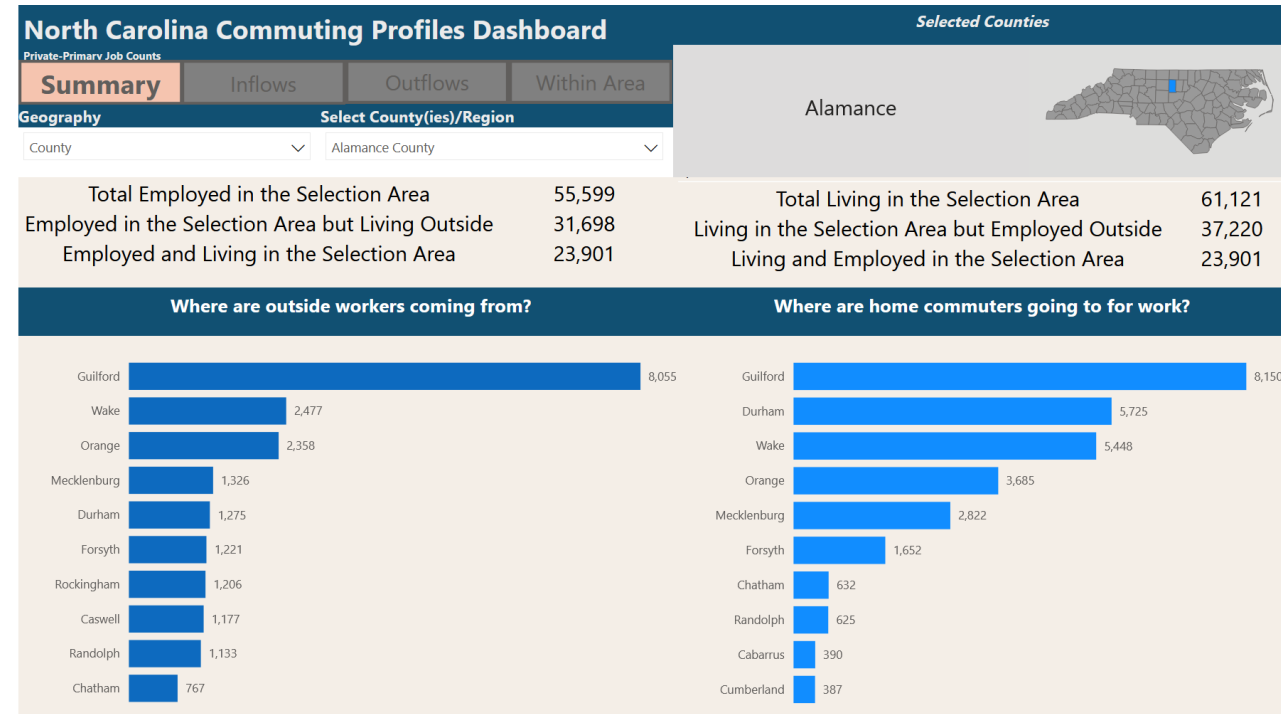
| Earnings Group | Worker Inflow | Percent of Total | Resident Worker | Percent of Total | Resident Outflow | Percent of Total | Net Flow |
|---|---------------|------------------|-----------------|------------------|------------------|------------------|----------|
| Jobs earning \$1,250 per month or less | 6,200 | 19.6% | 4,210 | 17.6% | 6,127 | 16.5% | 73 |
| Jobs earning \$1,251 to \$3,333 per month | 11,488 | 36.2% | 9,217 | 38.6% | 11,603 | 31.2% | -115 |
| Jobs earning more than \$3,333 per month | 14,010 | 44.2% | 10,474 | 43.8% | 19,490 | 52.4% | -5,480 |

| Age Group | Worker Inflow | Percent of Total | Resident Worker | Percent of Total | Resident Outflow | Percent of Total | Net Flow |
|------------------------------------|---------------|------------------|-----------------|------------------|------------------|------------------|----------|
| Jobs for workers age 29 or younger | 8,470 | 26.7% | 5,253 | 22.0% | 9,337 | 25.1% | -867 |
| Jobs for workers age 30 to 54 | 15,926 | 50.2% | 11,586 | 48.5% | 19,366 | 52.0% | -3,440 |
| Jobs for workers age 55 or older | 7,302 | 23.0% | 7,062 | 29.5% | 8,517 | 22.9% | -1,215 |

New Tool & How to Use

<https://analytics.nccommerce.com/commuting-profiles/>

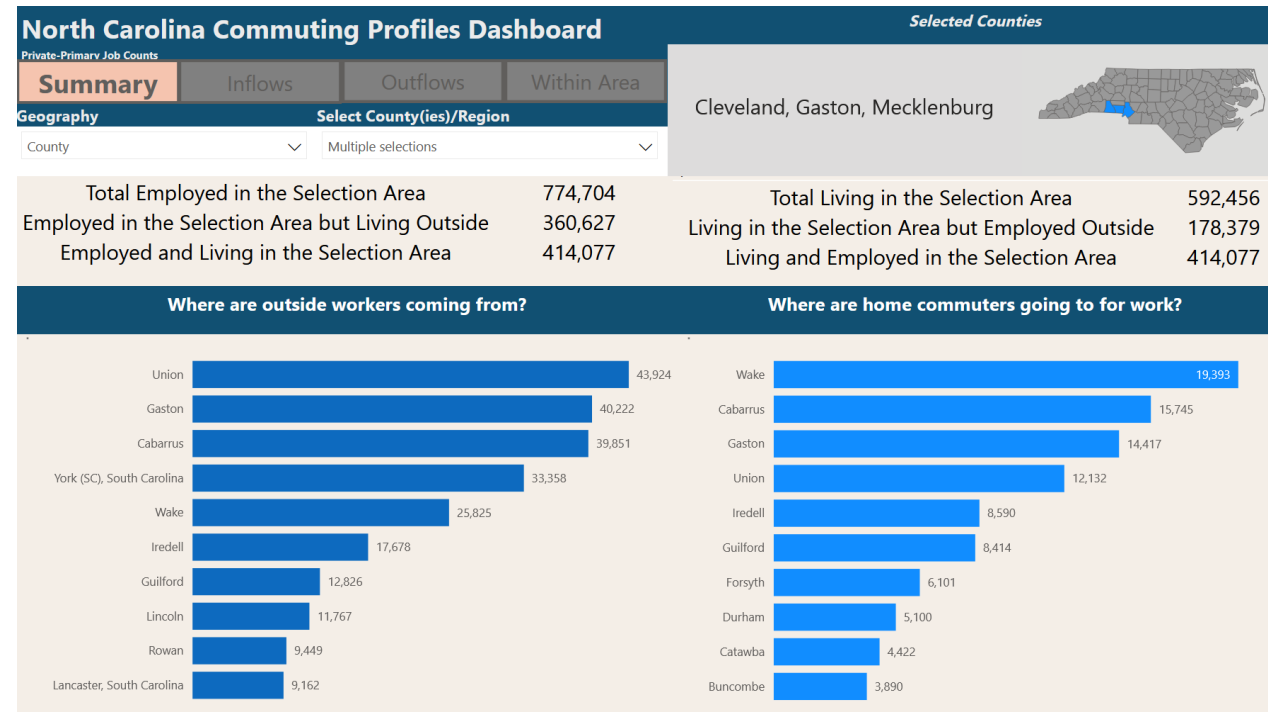
- Interactive PowerBI dashboard
 - Swap between tabs via the buttons
- Ability to create customized regions of counties or use pre-selected geographies
- Combination of bar charts, maps, and/or data tables in each section



New Tool & How to Use

Summary

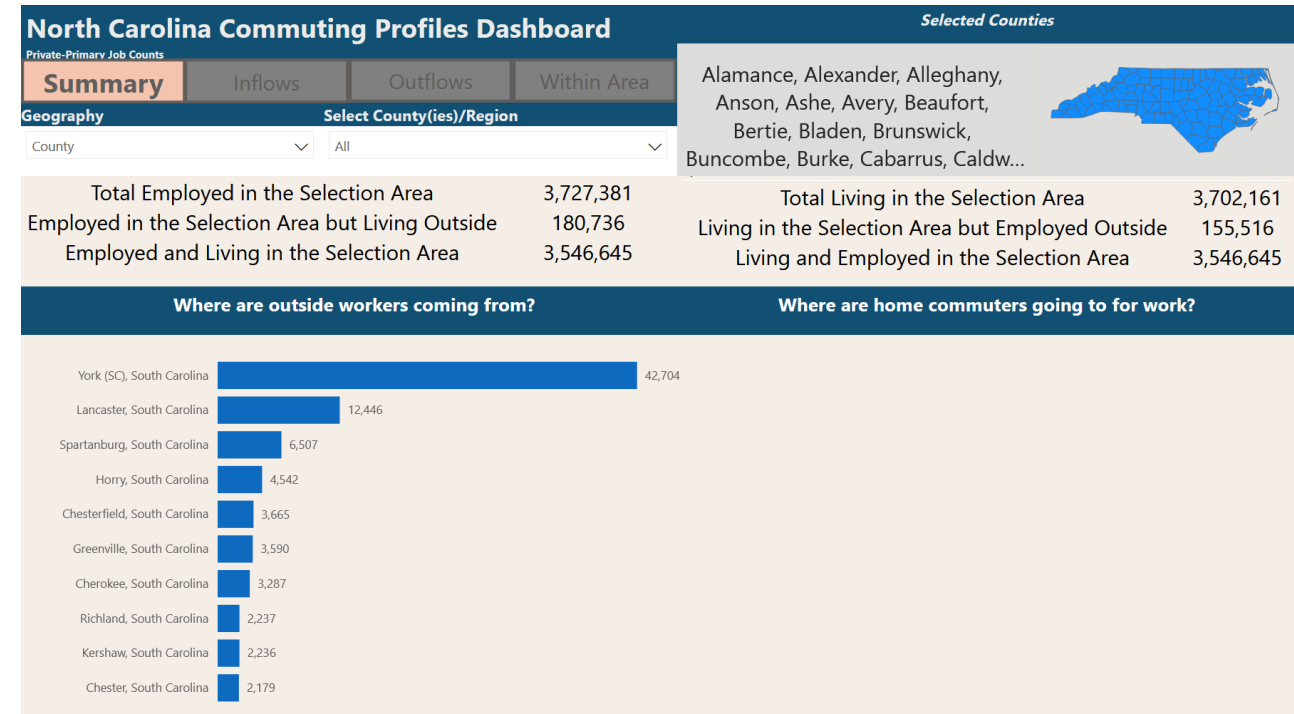
- Designed for printability
- Data tables contain high-level summary statistics
- Bar charts display top 10 inflows by origin county and top 10 outflows by destination county for the selected region/county(ies)
 - Includes out-of-state counties



New Tool & How to Use

Custom Geographies

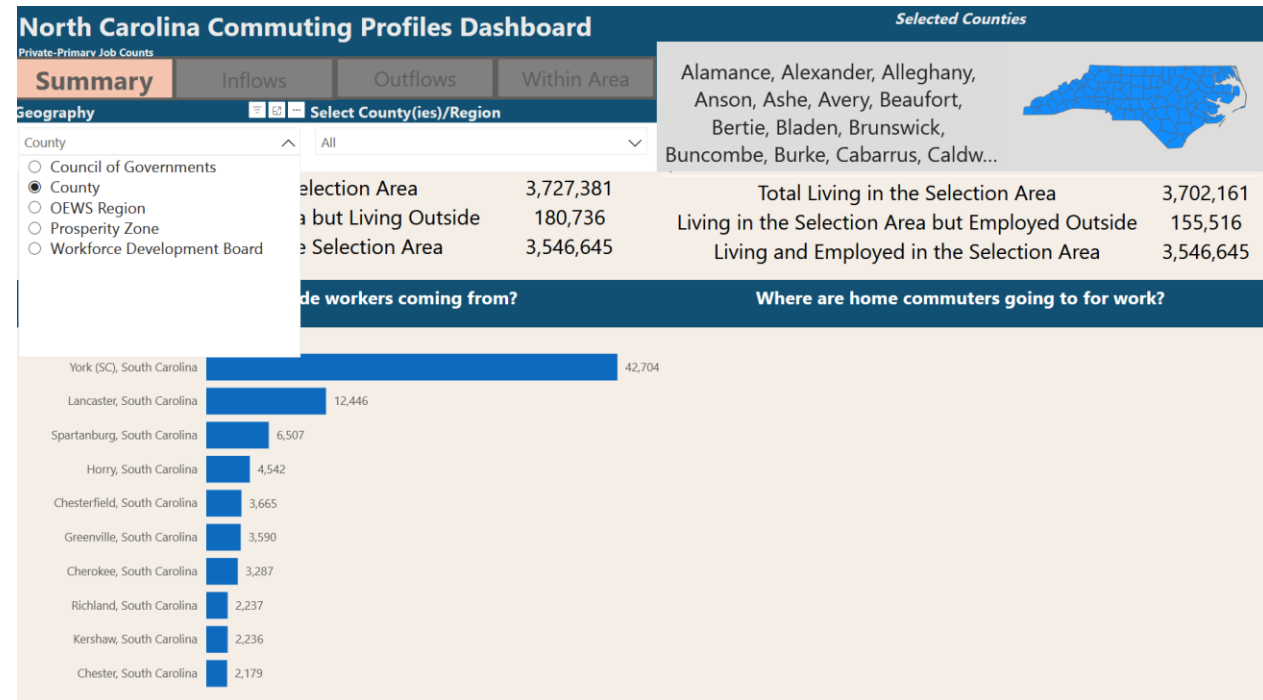
- De-select all areas



New Tool & How to Use

Custom Geographies

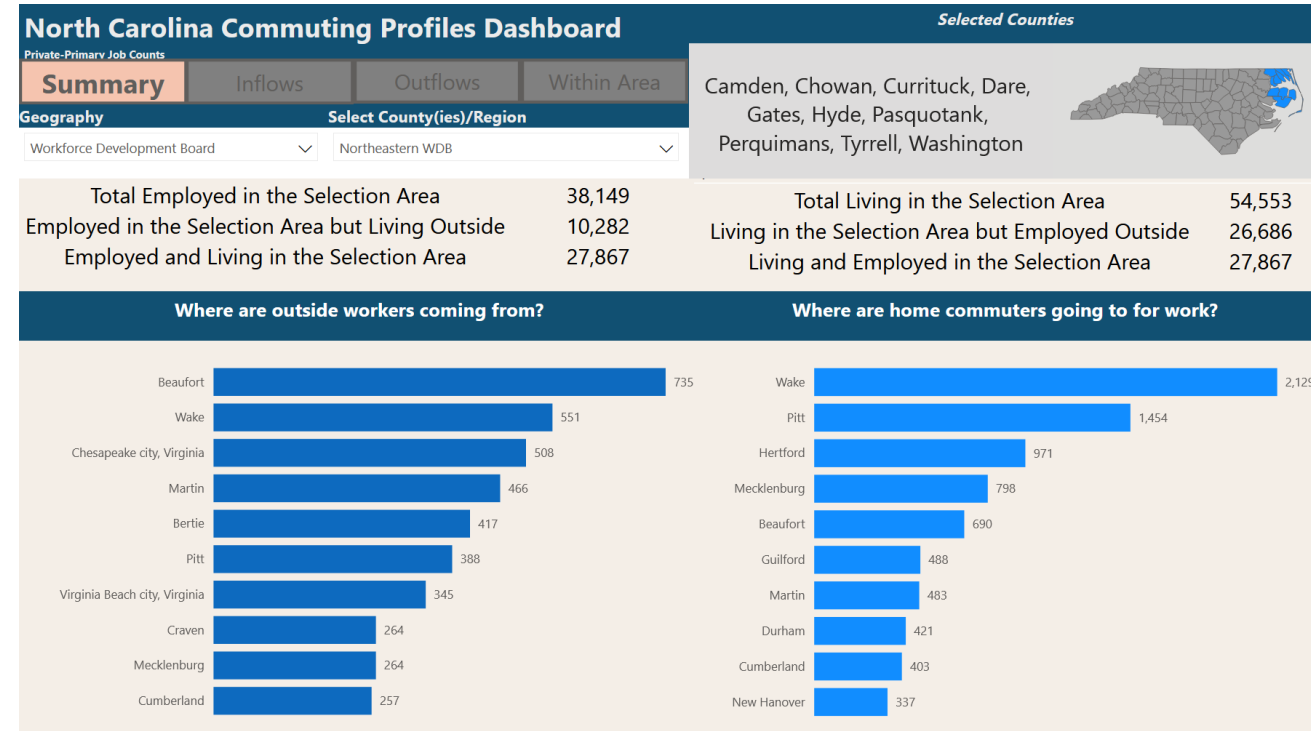
- De-select all areas
- Then select desired geography type



New Tool & How to Use

Custom Geographies

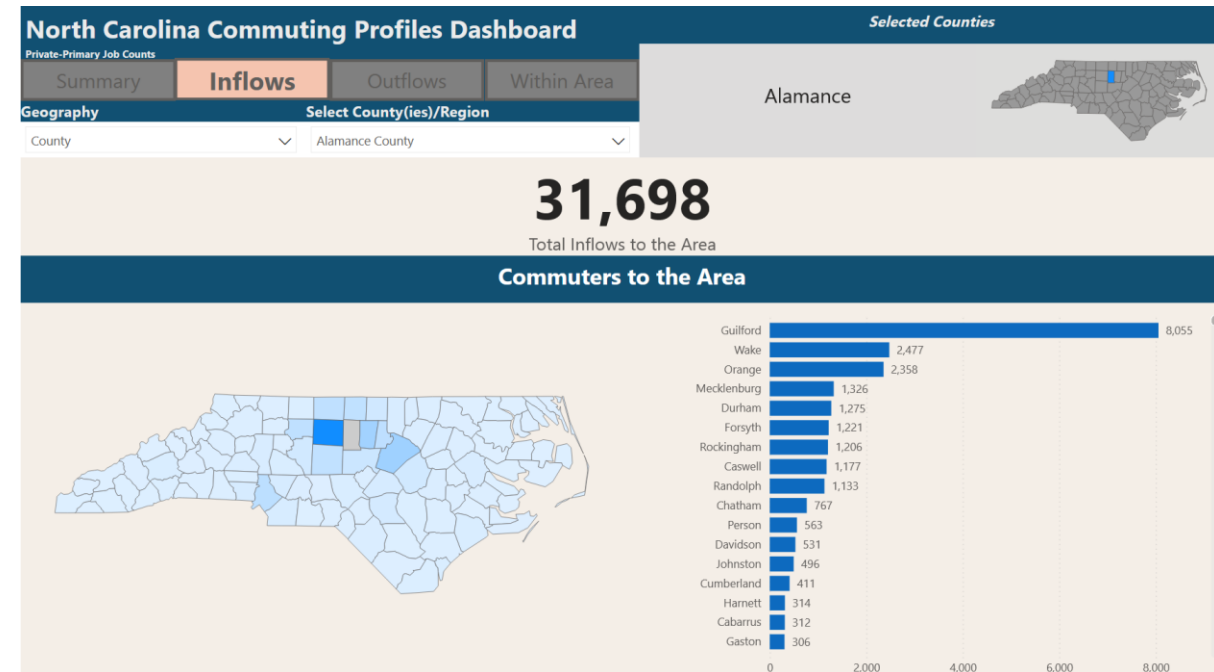
- De-select all areas
- Then select desired geography type
- Map and text box will show selection
- If using non-County geography, simplest to select one region at a time



New Tool & How to Use

Inflows

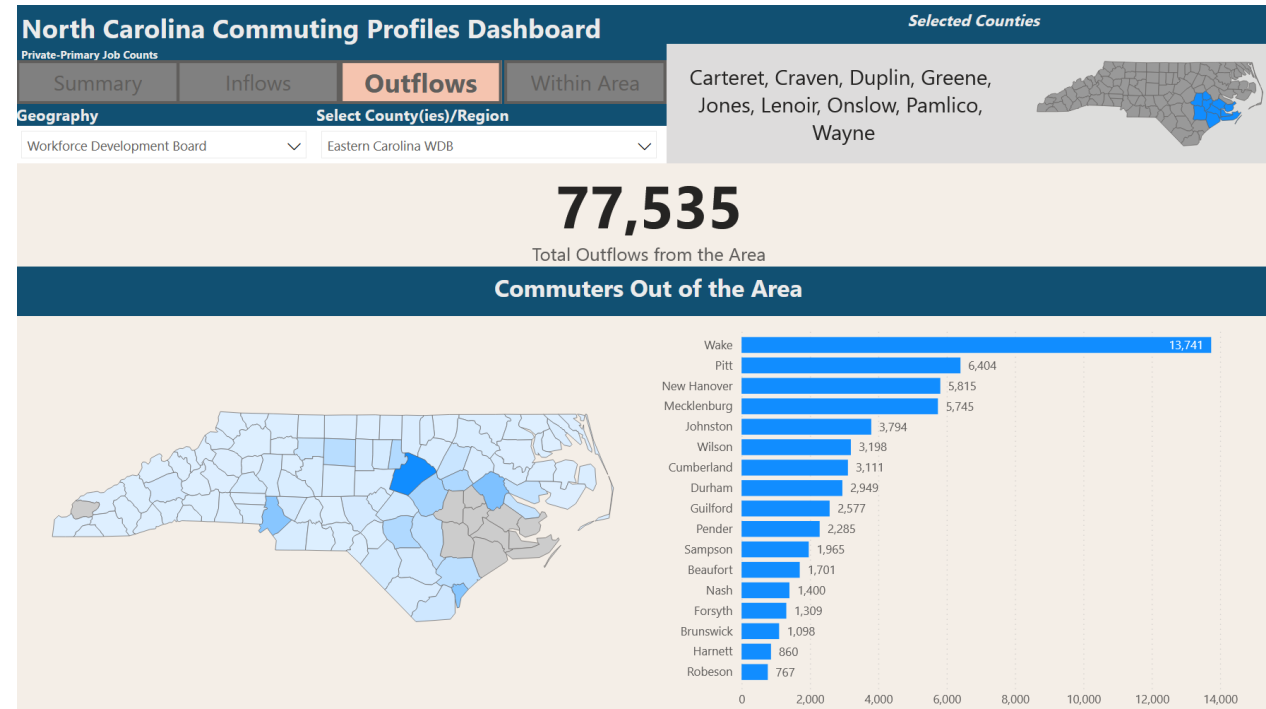
- “Where are nonresident workers coming from?”
- Heat map of inflows, where darker colors represent higher inflow counts (i.e. higher number of workers traveling into selection from colored counties)
- Tool automatically excludes any selected counties from the bar chart and map



New Tool & How to Use

Outflows

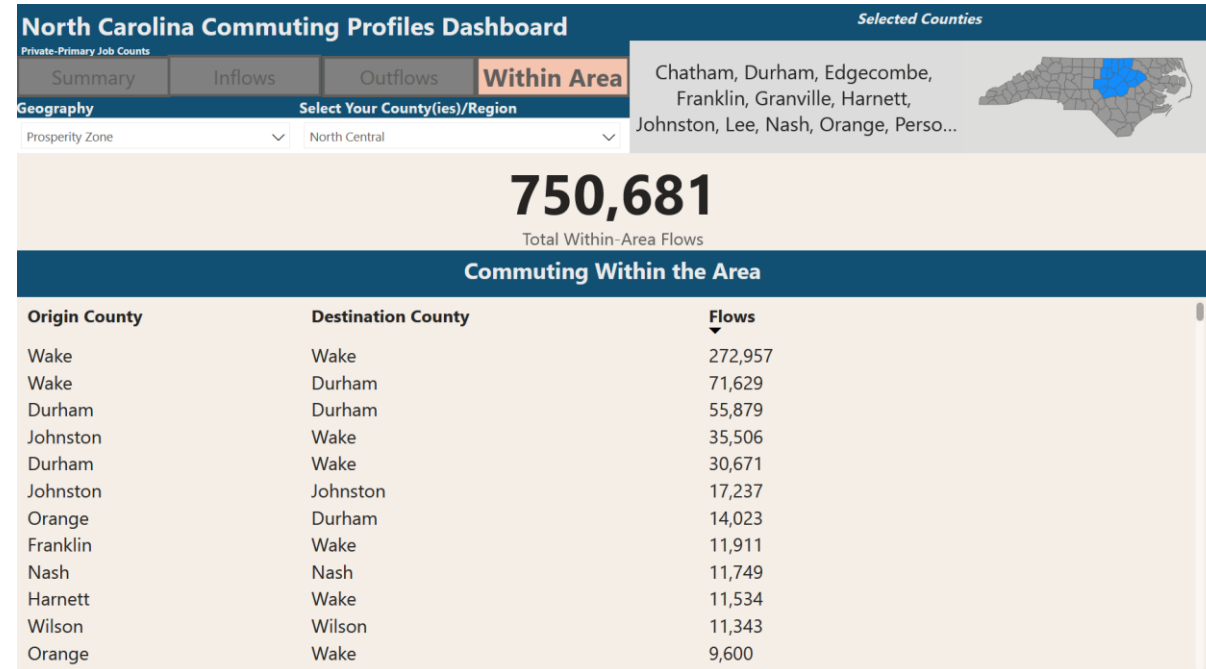
- “Where are resident workers traveling to work?”
- Heat map of outflows, where darker colors represent higher outflow counts (i.e. higher number of workers traveling from selection to colored county)
- Tool automatically excludes any selected counties from the bar chart and map



New Tool & How to Use

Within-Area

- “For people who live and work in this area, where are their jobs located?”
- Data table of flows between counties, listed in descending order
 - Can sort alphabetically or by ascending order by clicking the respective column



Summary

- LODES data allows us to summarize worker flows based on workers' county of residence and county of work
- New interactive dashboard allows you to create custom regions or choose pre-selected areas
 - Make sure to deselect all areas when swapping between area types
- For easy printout, use Summary
- For deeper dives, use Inflows, Outflows, and Within Area tabs

Thank you!

<https://analytics.nccommerce.com/commuting-profiles/>



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