AGENDA

- What is LMI?
- Resources you can use
- Where you can find LMI for your state
WHAT IS LABOR MARKET INFORMATION OR LMI?

- All data related to employment and the workforce. It is used to assist with informed decision making, whether channeling business investment or career exploration.

- LMI Data includes:
  - Population
  - Employment and Unemployment
  - Wages

- Most LMI is available by state, county, or metropolitan statistical area (MSA).
CENSUS

- Census data is divided into several topics:
  - Business & Economy
  - Education
  - Emergency Management
  - Employment
  - Families and Living Arrangements
  - Health
  - Housing
  - Income & Poverty
  - Population

- You can see how your area compares to the rest of your state or the nation
- See next slide for Census Applications

https://data.census.gov/cedsci/
Applications and Data Analysis Tools

J2J Explorer

Job to Job Explorer is a web-based analysis tool that enables comprehensive access to an innovative set of statistics on worker reallocation in the United States. Workers often build their careers through job-hopping and these flows between jobs are a primary means by which workers move up their career ladder. Flows of workers across employers, industries, and labor markets are subsequently quite large - about half of hires and separations in 2000 were job to job flows. Yet until now they also represented a gap in the set of available statistics on employment dynamics.

Job to Job Flows (J2J) statistics illuminate this enormous churn of workers between firms. Using longitudinal administrative data on workers' job histories, J2J traces worker earnings and movements through industries, geographic labor markets, and firm employment.

J2J Explorer unlocks those statistics through an intuitive dashboard interface. The application's interactive visualizations allow for the construction of tables and charts to compare, aggregate, and analyze earnings and hires by worker and firm characteristics. Potential analyses include identifying which industries are hiring manufacturing workers, what metro areas have the highest rate of worker separations leading to persistent nonemployment, comparing earnings after job flows to earnings for job stays, and a time series analysis on the impacts of educational attainment on hires to North Dakota.

Learn more about J2J Explorer (216 KB)  
J2J Explorer help and documentation

LED Extraction Tool

The LED Extraction Tool provides easy access to the raw data products produced through the Local Employment Dynamics (LED) Partnership. The current release of the tool allows access to the Quarterly Workforce Indicators (QWI) and Job-to-Job Flows (J2J) datasets via a simple query-building interface.

The LED Extraction Tool provides:
- Access to all 32 QWI and 67 J2J measures, all available years/quarters, all firm and worker characteristics, and all available geographies.
- A streamlined interface that walks users through the process of selecting the data they need and ignoring the data they don't. Grab only a single tabulation, all the data for a particular cluster of industries or geographies, or a state's full longitudinal set of data using the intuitive query-building interface.
- Fast processing of the requested data tables, which are available for download as CSV and/or ZIP files (complete with metadata).

Learn more about the LED Extraction Tool (463 KB)  
LED Extraction Tool help and documentation

OnTheMap

OnTheMap is an online mapping and reporting application showing where workers are employed and where they live with companion reports on worker characteristics and optional filtering by age, earnings, or industry groups. The interactive map viewer displays workplace and residential distributions by user-defined geographies at census block level detail. This flexibility allows for a variety of use cases, including emergency planning, transportation planning, site location, and economic development. OnTheMap also provides an easy-to-use interface for viewing, printing, and downloading the workforce related maps, profiles, and underlying data.

Based on the LEHD Origin Destination Employment Statistics (LODES) data product, OnTheMap is a unique resource for mapping the travel patterns of workers and identifying small-area workforce characteristics.

Learn more about OnTheMap (227 KB)  
OnTheMap help and documentation
Unemployment may not be the best measure for selecting courses, but is one of the most important indicators for determining the success of the labor market.

A low unemployment rate means there are a small amount of people who are available and looking for work who are not working compared to the number of people who have jobs.

A high unemployment rate means there are a larger amount of people who are available and looking for work compared to the number of jobs. This population may look to acquire skills to assist in finding a job which fits their needs.

https://www.bls.gov/
EMPLOYMENT PROJECTIONS

- Identify the number of annual openings in an occupation or Industry
- Identify the credential required to work in an occupation
- Displays median wage and number of jobs within a desired occupation

https://data.bls.gov/projections/occupationProj
FILTER OCCUPATIONS BY YOUR INTEREST

Employment Projections

Occupational Projections Data

Employment in thousands.
Detailed information about the variables displayed here is available in the technical documentation. Files containing these data are available for download at https://www.bls.gov/emp/data/occupational-data.htm.

Refine your results

- Employment 2021:
- Employment 2031:
- Employment change, 2021-2031:
- Employment percent change, 2021-2031:
- Occupational openings, 2021-2031 annual average:
- Median annual wage 2021:

Typical entry-level education
- Doctoral or professional degree
- Master's degree
- Bachelor's degree
- Associate's degree
- Postsecondary nondegree award
- Some college, no degree
- High school diploma or equivalent
- No formal educational credential

Work experience in a related occupation
- 5 years or more
- Less than 5 years
- None

Typical on-the-job training
- Internship/residency
- Apprenticeship
- Long-term on-the-job training
- Moderate-term on-the-job training
- Short-term on-the-job training
- None
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<tbody>
<tr>
<td>Total, all occupations</td>
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<td>00-0000</td>
<td>158,134.7</td>
<td>166,452.1</td>
<td>8,317.4</td>
<td>5.3</td>
<td>19,332.5</td>
<td>45,760</td>
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<td>Customer service representatives, except retail</td>
<td>43-4051</td>
<td>2,888.9</td>
<td>2,793.6</td>
<td>-105.3</td>
<td>-3.6</td>
<td>389.4</td>
<td>36,920</td>
<td>High school diploma or equivalent</td>
<td>None</td>
<td>Short-term on-the-job training</td>
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<tr>
<td>Showroom example job titles</td>
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<tr>
<td>Office clerks, general</td>
<td>43-3061</td>
<td>2,751.8</td>
<td>2,821.1</td>
<td>-70.3</td>
<td>-4.8</td>
<td>325.4</td>
<td>37,030</td>
<td>High school diploma or equivalent</td>
<td>None</td>
<td>Short-term on-the-job training</td>
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<td>Secretary and administrative assistants, except legal, medical, and executive</td>
<td>43-3014</td>
<td>2,075.6</td>
<td>1,868.0</td>
<td>-207.6</td>
<td>-10.0</td>
<td>211.2</td>
<td>37,380</td>
<td>High school diploma or equivalent</td>
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<td>Short-term on-the-job training</td>
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<td>SHOWROOM example job titles</td>
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<tr>
<td>First-line supervisors of food preparation and service workers</td>
<td>35-1012</td>
<td>1,093.1</td>
<td>1,236.7</td>
<td>143.6</td>
<td>13.1</td>
<td>196.7</td>
<td>36,570</td>
<td>High school diploma or equivalent</td>
<td>Less than 5 years</td>
<td>None</td>
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<td>SHOWROOM example job titles</td>
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<tr>
<td>First-line supervisors of office and administrative support workers</td>
<td>43-1011</td>
<td>1,521.8</td>
<td>1,493.5</td>
<td>-28.3</td>
<td>-1.9</td>
<td>159.6</td>
<td>60,090</td>
<td>High school diploma or equivalent</td>
<td>Less than 5 years</td>
<td>None</td>
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<tr>
<td>SHOWROOM example job titles</td>
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<tr>
<td>First-line supervisors of retail sales workers</td>
<td>41-1011</td>
<td>1,505.7</td>
<td>1,427.5</td>
<td>-78.2</td>
<td>-5.2</td>
<td>153.0</td>
<td>39,230</td>
<td>High school diploma or equivalent</td>
<td>Less than 5 years</td>
<td>None</td>
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<td>SHOWROOM example job titles</td>
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<tr>
<td>Light truck drivers</td>
<td>53-3013</td>
<td>1,109.7</td>
<td>1,220.4</td>
<td>110.7</td>
<td>10.0</td>
<td>147.6</td>
<td>38,280</td>
<td>High school diploma or equivalent</td>
<td>None</td>
<td>Short-term on-the-job training</td>
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<td>SHOWROOM example job titles</td>
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<tr>
<td>Construction laborers</td>
<td>47-2061</td>
<td>1,338.4</td>
<td>1,436.3</td>
<td>98.9</td>
<td>7.1</td>
<td>143.2</td>
<td>37,770</td>
<td>No formal educational credential</td>
<td>None</td>
<td>Short-term on-the-job training</td>
</tr>
</tbody>
</table>
Use O’NET to learn about knowledge, skills, and abilities required in an occupation.
O’NET displays tasks, technology used, abilities needed, and education and skills required for the job.

### Occupation-Specific Information

#### Tasks

- Operate office machines, such as photocopiers and scanners, facsimile machines, voice mail systems, and personal computers.
- Answer telephones, direct calls, and take messages.
- Communicate with customers, employees, and other individuals to answer questions, disseminate or explain information, take orders, and address complaints.
- Maintain and update filing, inventory, mailing, and database systems, either manually or using a computer.
- Compile, copy, sort, and file records of office activities, business transactions, and other activities.

#### Technology Skills

- **Accounting software** — Billing software; Bookkeeping software; Intuit QuickBooks; Sage 50 Accounting
- **Database user interface and query software** — Blackboard software; Database software; Microsoft Access; Yardi software
- **Document management software** — Adobe Systems Adobe Acrobat; Filing system software; Records management software; Transcription system software
- **Enterprise resource planning ERP software** — Oracle JD Edwards EnterpriseOne; Oracle PeopleSoft; Oracle PeopleSoft Financials; SAP business and customer relations management software
- **Medical software** — Henry Schein Dentrix; Medical condition coding software; Medical procedure coding software; MEDITECH software

*Hot Technologies are requirements frequently included in employer job postings.*
Use the O’NET/Educational crosswalk to view training outcomes off your classes.
OCCUPATIONAL STATISTICS

- Annually produced
- Shows entry level, average, median, and upper-level wages for each occupation.
- Annual OEWS data has more location breakouts than occupational projections data.

https://www.bls.gov/oes/current/oessrcst.htm
Find some of the largest employers in your region using the employer locator.

Large employers may be a good source for selecting courses.

https://www.careeronestop.org/toolkit/jobs/find-businesses.aspx
We found **15,372** businesses in **04101** within **25** miles.

<table>
<thead>
<tr>
<th>Business Name</th>
<th>Description</th>
<th>Industry</th>
<th>Employees</th>
<th>Distance</th>
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<tbody>
<tr>
<td><strong>Anthem Health Plans of ME Inc</strong></td>
<td>Insurance</td>
<td>Agencies, Brokerages, and Other Insurance Related Activities</td>
<td>500+</td>
<td>4.7 miles</td>
</tr>
<tr>
<td>Gannett Dr SOUTH PORTLAND, ME</td>
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<td></td>
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</tr>
<tr>
<td><strong>Bright Express</strong></td>
<td>Restaurants</td>
<td>Restaurants and Other Eating Places</td>
<td>500+</td>
<td>3.5 miles</td>
</tr>
<tr>
<td>Gorham Rd SOUTH PORTLAND, ME</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Direc TECH North East</strong></td>
<td>Television-Cable &amp; CATV</td>
<td>Cable and Other Subscription Programming</td>
<td>500+</td>
<td>4.4 miles</td>
</tr>
<tr>
<td>Walch Dr PORTLAND, ME</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Hannaford Bros Co LLC</strong></td>
<td>Grocers-Retail</td>
<td>Grocery Stores</td>
<td>500+</td>
<td>4.5 miles</td>
</tr>
<tr>
<td>Pleasant Hill Rd SCARBOROUGH, ME</td>
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</tr>
<tr>
<td><strong>Hannaford Bros Prod Recovery</strong></td>
<td>Grocers-Retail</td>
<td>Grocery Stores</td>
<td>500+</td>
<td>2.7 miles</td>
</tr>
<tr>
<td>Hemco Rd SOUTH PORTLAND, ME</td>
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</tbody>
</table>
IN CONCLUSION....

You can use LMI to answer:

- Which classes should I offer?
- How should my course be structured?
- Am I reaching a diverse audience?
- Do I qualify for this grant?
Where can you find LMI for your state?

https://www.bls.gov/bls/ofolist.htm
Questions?

Hunter Morancy
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