



An Introduction to Occupational Projections

Presented to
The Wyoming Workforce Development Council
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Presented by
William (Tony) Glover
Wyoming Department of Employment
Research & Planning

william.glover@state.wy.us



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Wyoming Quarterly UI/WC Summary Report and Employee Wage Listings

WYOMING QUARTERLY UI/WC SUMMARY REPORT

UNEMPLOYMENT INSURANCE (UI) Quarter/Year 1 2008 Account Number 012345678

1. Total UI Wages For The Quarter (Including Tips) 59232.75
 2. Excess Wages (2008 FEDERAL MINOR SANS 512.136.00) 5000.00
 3. Taxable Wages (Less 1 minor Limit) 54158.75
 4. Tax Due (Monthly Rate 3.1% - 0.265) 1430.21
 5. Interest Due (2% (0.00) Per Month From Due Date Shown Above) 0
 6. Amount Due From Prior Report Periods 0
 7. Outstanding Unemployment Insurance Credit 0
 8. Total Unemployment Insurance Amount Due (4)(5)(6)-(7) 1430.21

WORKERS' COMPENSATION (WC) Employer Number 007654321

WYOMING EMPLOYEE WAGE LISTINGS

A1: Social Security Number	A2: Employee Name Last, First	A3: Tips	A4: Total Wages (Excl. Tips)	A5: NACE/Class Code	A6: Job Title	A7: New Hire Date	A8: Total Hours This QTR
123 45 6789	JONES SAM		1899.00	236115	B	01 20 2008	238
223 45 6789	SMITH TOM	30.35	3543.45	236115	B		294
323 45 6789	BROWN DON		7762.45	236115	B		659
423 45 6789	SIMPSON ABE	49.50	774.00	236115	B	02 13 2008	86
523 45 6789	SAMPLE TERRI		5000.00	000010	B		200
EMPLOYEE SUBTOTALS:			79.95	18978.90	A6+A8		19058.75

A1: Social Security Number	A2: Officer Name Last, First	A3: WC Avg. Wages	A4: Total Wages (Incl. Tips)	A5: NACE/Class Code	A6: Job Title	A7: New Hire Date	A8: Total Hours This QTR
623 45 6789	SAMPLE JOE	9360.00	25180.00	236115C	B		647
723 45 6789	SAMPLE SALLY		15000.00		A		200
CORPORATE OFFICER SUBTOTALS:			9360.00	40180.00	GRAND TOTALS	A6 + A8	59232.75





Wyoming Quarterly UI/WC Summary Report and Employee Wage Listings - Collection

- Research & Planning maintains archived Summary and Wage Listing data to the early 90s.
- Summary records have the employer account number, employers name, industry, location, employment as of the 12th of each month, and total wages paid by quarter.
- Wage Listing data have employer account number, employee social security number, and total wages by quarter.
- Data are retained and used for:
 - Addressing a wide variety of labor force questions such as training program participation, the impact of injury on subsequent earnings, etc.
 - Statewide employment projections by Industry and region.

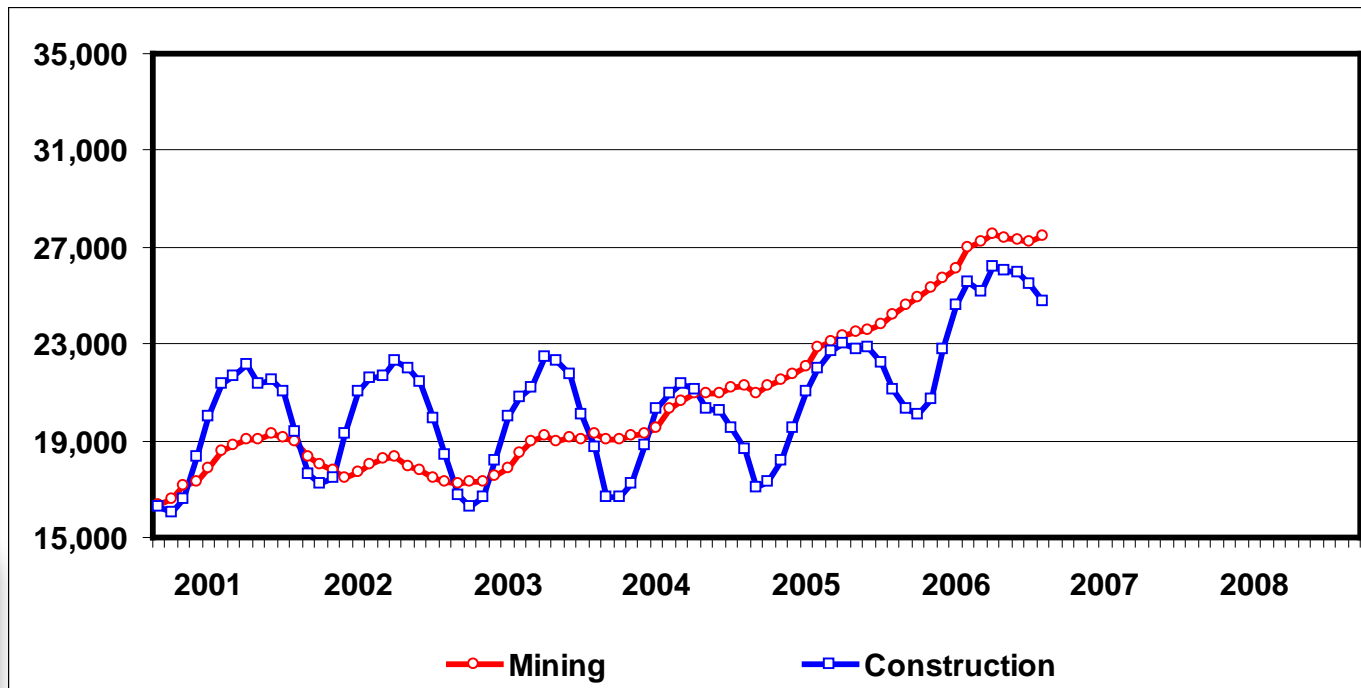


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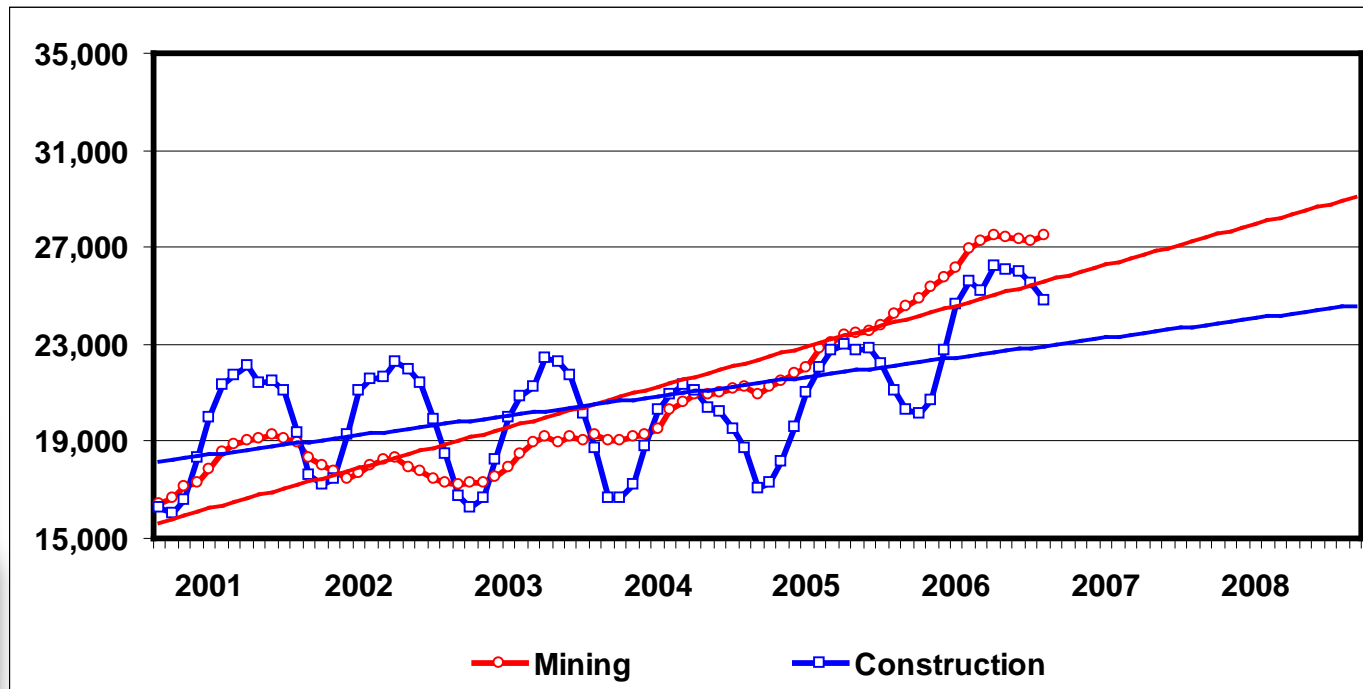


Employment in Mining and Construction by Month 2001 to 2006. (Base Period)



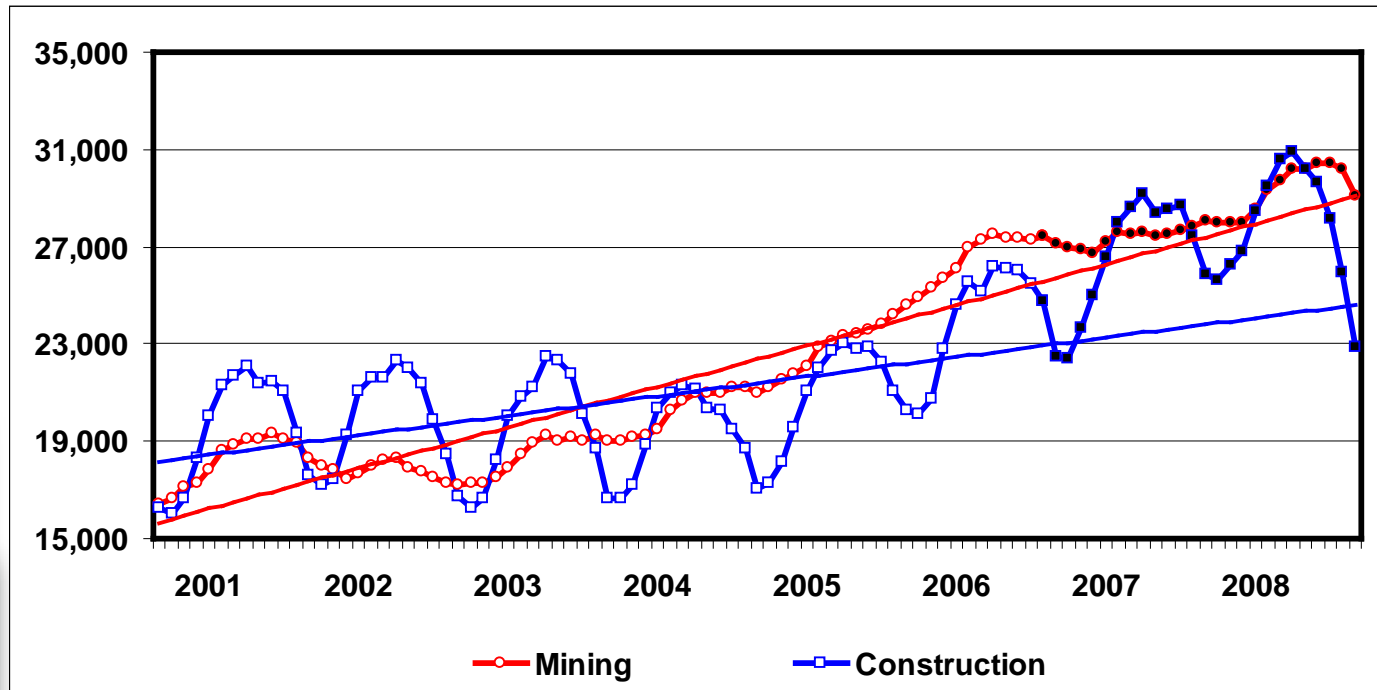


Linear Projection to December 2008 Based on the 2001 to 2006 Base Period Employment Trends in Mining and Construction.





Base Period, Linear Projection, and Actual Employment (What really happened) in Mining and Construction 2007 to 2008.



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Bureau of Labor Statistics, Occupational Employment Statistics - Collection Form

OCCUPATIONAL EMPLOYMENT REPORT OF SOCIAL ASSISTANCE (624000)

In Cooperation with the U.S. Department of Labor

Form Approved O.M.B. No. 1220-0042

What this report is about: This form asks for information about the occupations and wage ranges of the employees described in Item 3 below. Please complete Items 1 through 5 on this page. Next, please provide the information requested beginning on page 1 for the employees who worked during or received pay for the pay period that included the reference date in Item 3, printed directly above your establishment name. The instructions on pages 1 and 2 explain how to provide the information. Please see our website at <http://www.bls.gov/OES> for more information on the OES Program, including a display of national, state and metropolitan area employment and wage estimates by occupation.

1 Which of the following options describes the status of the location(s) in Item 3 as of the reference date also printed in Item 3?

Operating: Go to item 2.
 Temporarily closed during the pay period: Enter the number of employees paid for work done or received pay for the pay period in the reply envelope provided.
 Permanently out of business: Enter the address at the top.
 Sold or merged: Enter the name of the new owner and go to item 2.

New Name: _____
 New Address: _____

2 Our records show that your main product or service is _____

3 This form asks for information about the employees described below. Our estimate of employment for these employees appears at the top right corner of the label. Please make any needed address corrections.

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)													Total Employment
	A	B	C	D	E	F	G	H	I	J	K	L	T	
	Hourly (part-time or full-time)	under \$7.50	\$7.50 - 9.49	\$9.50 - 11.99	\$12.00 - 15.24	\$15.25 - 19.24	\$19.25 - 24.49	\$24.50 - 30.99	\$31.00 - 39.24	\$39.25 - 49.74	\$49.75 - 63.24	\$63.25 - 79.99	\$80.00 and over	
Annual Salary (full-time only)	under \$15,600	\$15,600 - 19,759	\$19,760 - 24,958	\$24,960 - 31,719	\$31,720 - 40,039	\$40,040 - 50,959	\$50,960 - 64,479	\$64,480 - 81,639	\$81,640 - 103,479	\$103,480 - 131,559	\$131,560 - 166,399	\$166,400 and over		
Financial Managers - (Controller) Plan, direct, and coordinate accounting, investing, banking, insurance, securities, and other financial activities of a branch, office, or department of an establishment.														
Compensation and Benefits Managers - Plan, direct, or coordinate compensation and benefits activities and staff of an organization. Include job analysis and position description managers.														
Education Administrators, Preschool and Child Care Center/Program - Plan, direct, or coordinate the academic and nonacademic activities of preschool and child care centers or programs.														
Food Service Managers - Plan, direct, or coordinate activities of an organization or department that serves food and beverages.														
Medical and Health Services Managers - Plan, direct, or coordinate medicine and health services in hospitals, clinics, managed care organizations, public health agencies, or similar organizations.														
Social and Community Service Managers - (Public Welfare Director, Volunteer Services Manager) Plan, organize, or coordinate the activities of a social service program or community outreach organization. Oversee the program or organization's budget and policies regarding participant involvement, program requirements, and benefits.														

624000

424000 2





Bureau of Labor Statistics, Occupational Employment Statistics - Collection Form

- The OES program produces employment and wage estimates for about 800 occupations. These are estimates of the number of people employed in certain occupations, and estimates of the wages paid to them.
- R&P maintains annual OES data in like format (using NAICS and SOC) from 2002 to present.
- Quarterly UI/WC data allow us to understand and project employment by Industry and Region. OES data lends itself to an understanding of the occupational distribution of employment within the industry and changes in that distribution over time.








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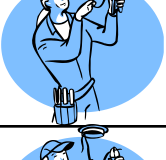



Occupational Employment Statistics - Estimated Employment by Year

Occupation	2003	2004	2005	2006	2007
	5,069	5,401	5,500	6,111	6,454
	2,493	2,588	3,325	3,746	4,906
	3,578	3,656	3,938	4,009	4,255
	1,889	2,126	2,958	3,234	3,493
	1,942	2,020	2,024	1,946	1,983





Occupational Employment Statistics - Electricians by Major Industry Employment

Occupation	Industry	2003	2007	Net	%
	All	1942	1983	+ 41	+ 2.1 %
		1261	1340	+ 79	+ 6.3 %
		325	378	+ 53	+ 16.3 %
		156	73	- 83	- 53.2 %
		109	68	- 41	- 37.6 %





Combining UI/WC Data with OES Data

- In a nutshell, combining UI/WC tax based industry data with the OES program data are the foundation of occupational projections.
- The Employment and Training Administration (ETA), Bureau of Labor Statistics (BLS), National Association of State Workforce Agencies (NASWA), and State Projections Workgroup collaborated to create a Projections Suite that is used to produce reliable long- and short-term occupational employment projections.



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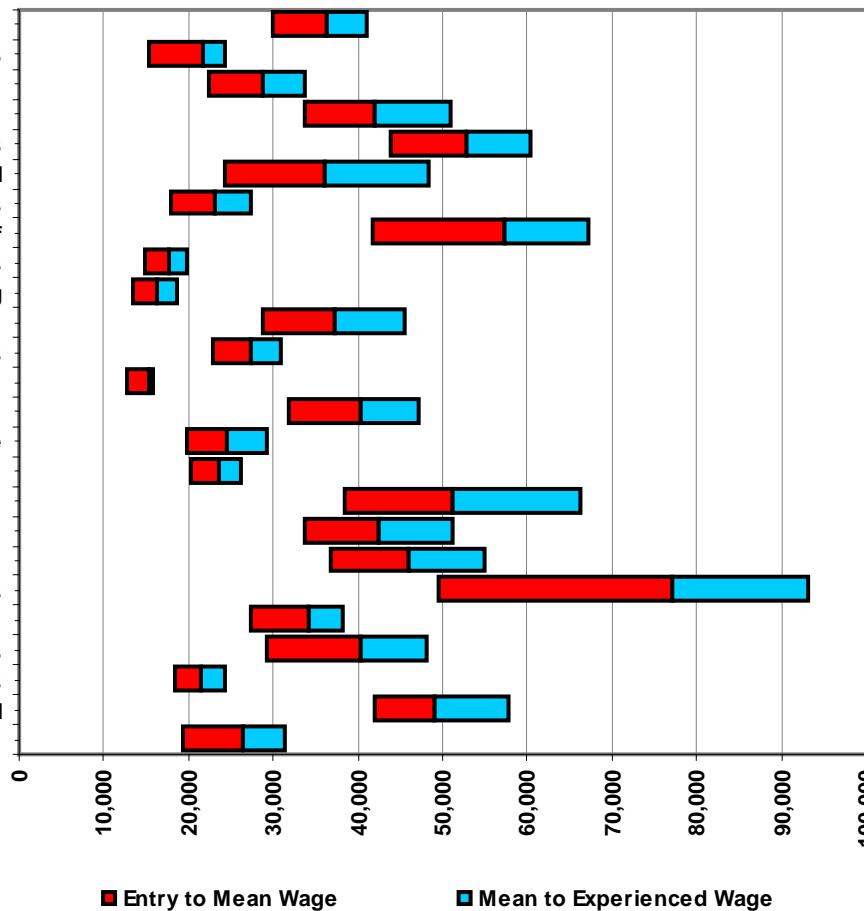
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<http://doe.state.wy.us/LMI>



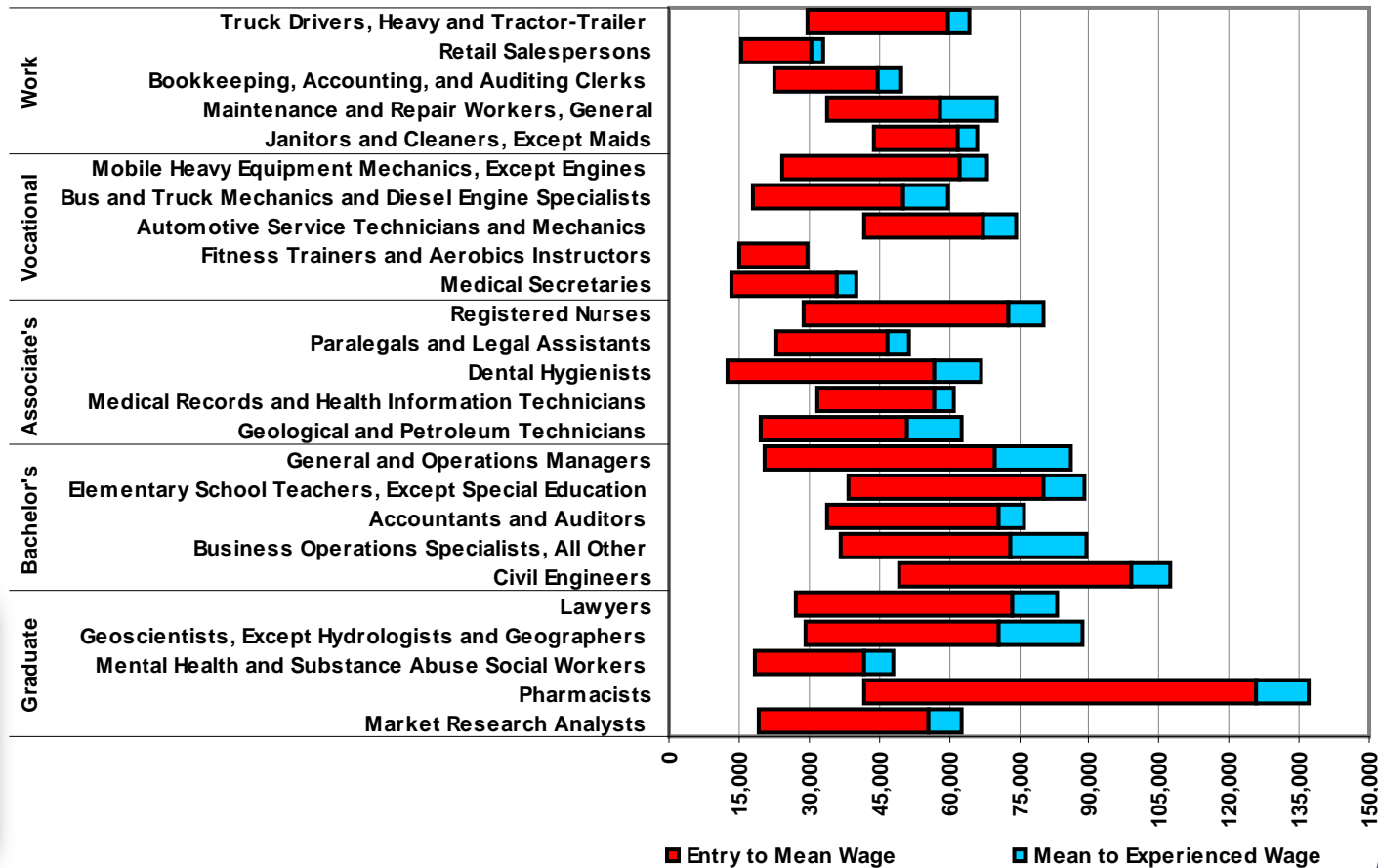
Top 25 Occupations with Highest Projected Net Growth 2006 to 2016 by Annual Wage 2007

- Truck Drivers, Heavy and Tractor-Trailer
- Retail Salespersons
- Bookkeeping, Accounting, and Auditing Clerks
- Other Construction Equipment Operators
- Registered Nurses
- Maintenance and Repair Workers, General
- Janitors and Cleaners, Except Maids
- First-Line Supervisors/Managers of Maids and Housekeeping Cleaners
- Combined Food Preparation and Serving
- Carpenters
- Construction Laborers
- Waiters and Waitresses
- Welders, Cutters, Solderers, and Brazers
- Secretaries, Except Legal, Medical, and Executive
- Nursing Aides, Orderlies, and Attendants
- Industrial Machinery Mechanics
- Derrick Operators, Oil and Gas
- Electricians
- General and Operations Managers
- Roustabouts, Oil and Gas
- Plumbers, Pipefitters, and Steamfitters
- Home Health Aides
- Elementary School Teachers, Except Special
- Customer Service Representatives



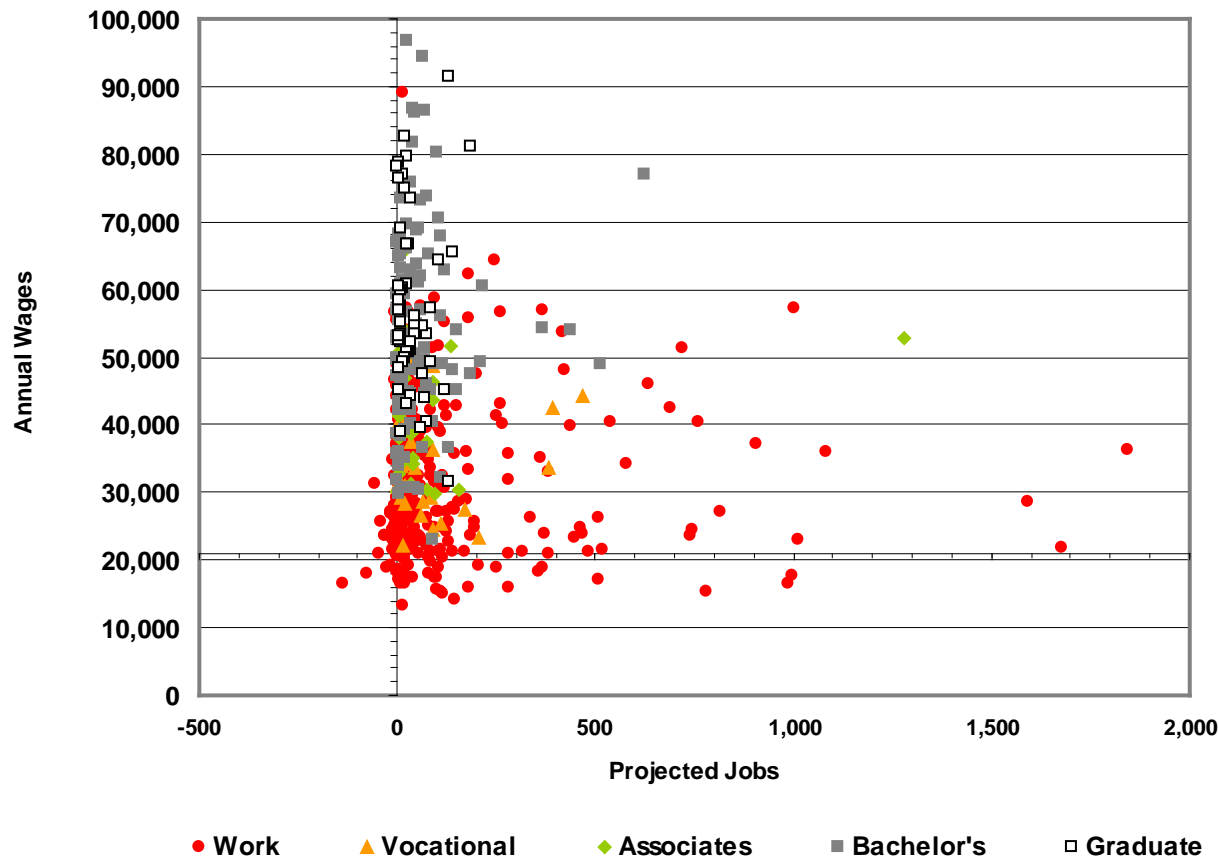


Top 5 Occupations with Highest Projected Net Growth by Typical Education and Annual Wage 2007





Scatter Plot of Projected Net Job Growth and Annual Wage 2007 by Education – All Occupations

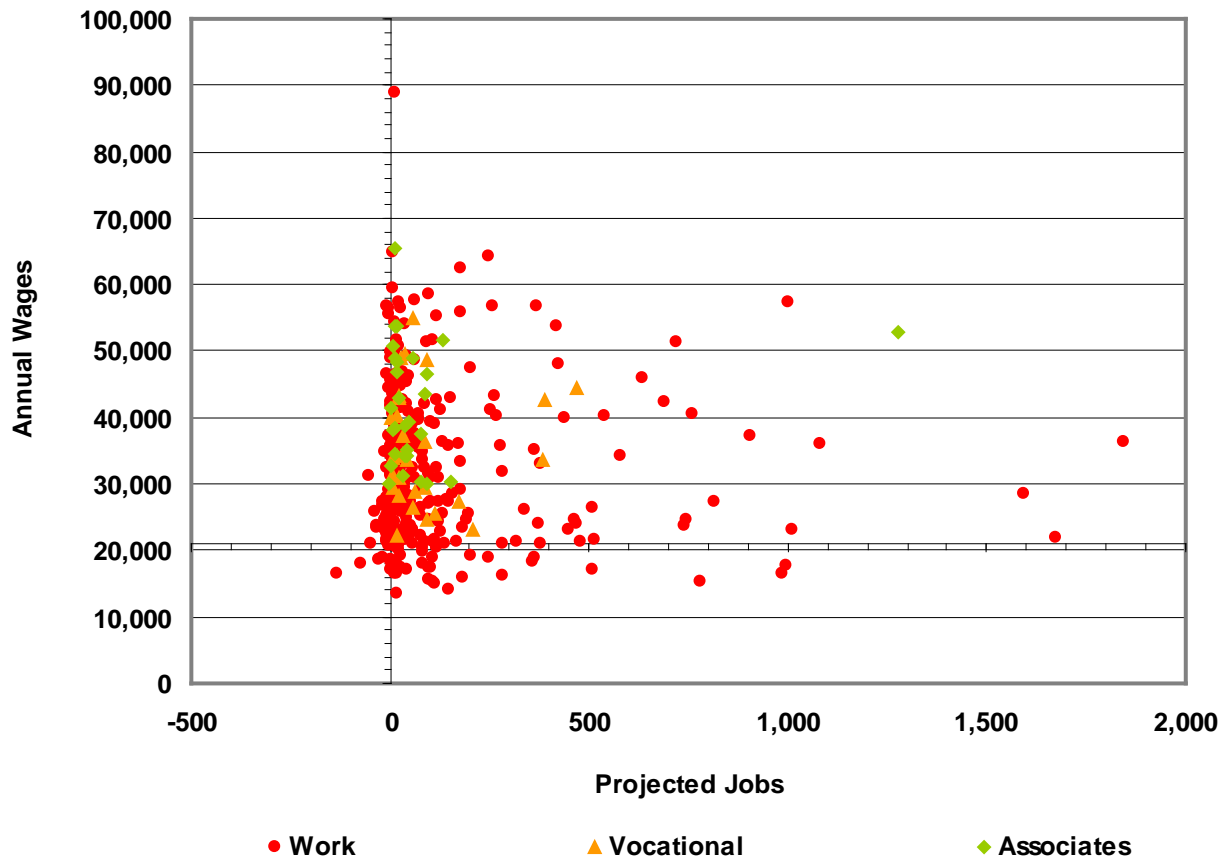


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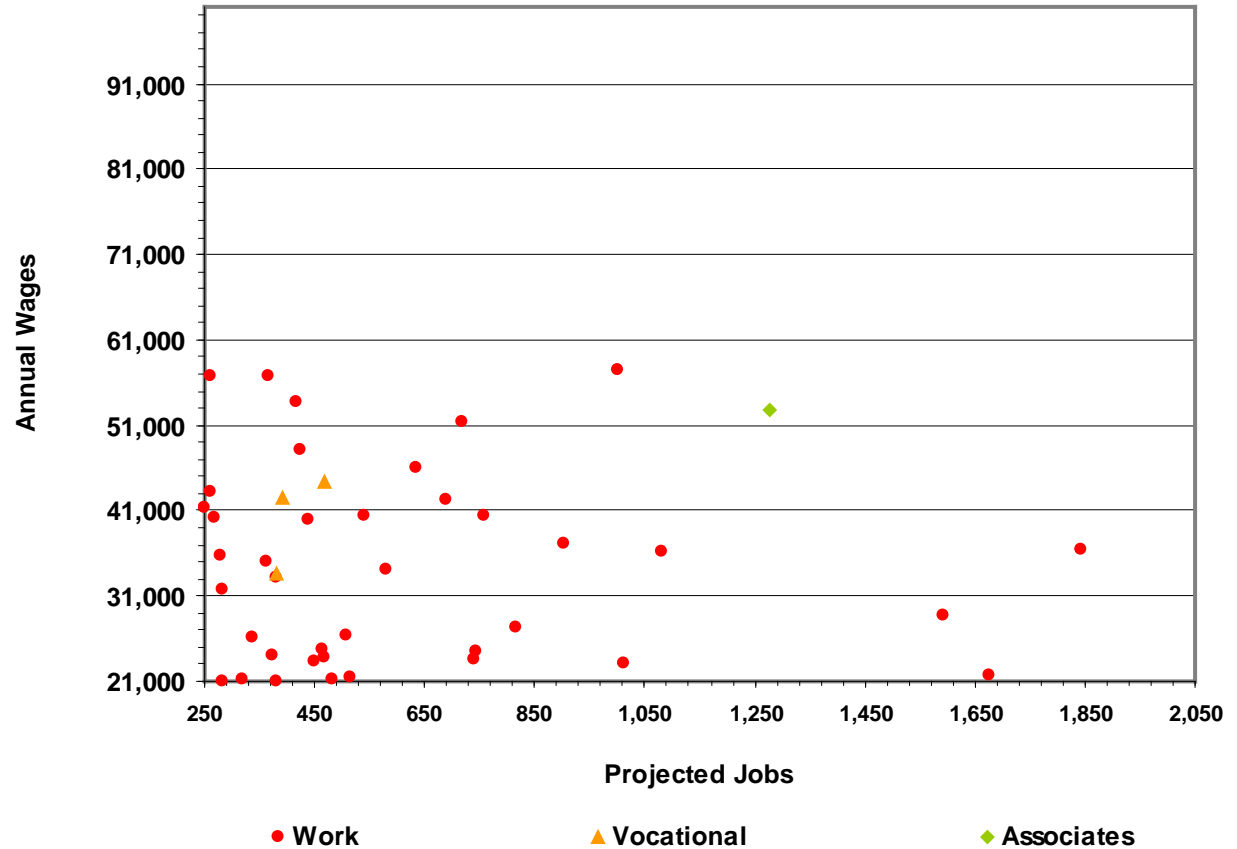


Scatter Plot – Occupations Requiring an Associates Degree or Less





Scatter Plot – Occupations Requiring an Associates Degree or Less, more than 250 Jobs, and above Federal Poverty level in 2008





Occupations Requiring an Associates Degree or Less, more than 250 Jobs, and above Federal Poverty level

Typical Education	Occupation	Projected Jobs	Average Annual Wage
01-Work Experience	Truck Drivers, Heavy and Tractor-Trailer	1,842	36,391
	Retail Salespersons	1,676	21,790
	Bookkeeping, Accounting, and Auditing Clerks	1,591	28,666
	Maintenance and Repair Workers, General	1,082	36,086
	Janitors and Cleaners, Except Maids	1,011	23,021
	First-Line Supervisors/Managers of Construction Trades	1,002	57,347
	Maids and Housekeeping Cleaners	997	17,592
	Combined Food Preparation and Serving Workers	988	16,381
	Carpenters	905	37,235
	Construction Laborers	815	27,285
	Waiters and Waitresses	780	15,376
	Welders, Cutters, Solderers, and Brazers	758	40,442
	Secretaries, Except Legal, Medical, and Executive	745	24,513
	Nursing Aides, Orderlies, and Attendants	739	23,672
	Industrial Machinery Mechanics	719	51,282
	Derrick Operators, Oil and Gas	690	42,337
	Electricians	633	46,005





Occupations Requiring an Associates Degree or Less, more than 250 Jobs, and above Federal Poverty level

Typical Education	Occupation	Projected Jobs	Average Annual Wage
01-Work Experience	Roustabouts, Oil and Gas	579	34,189
	Plumbers, Pipefitters, and Steamfitters	539	40,305
	Home Health Aides	516	21,480
	Customer Service Representatives	509	26,308
	Counter and Rental Clerks	507	17,232
	Teacher Assistants	481	21,263
	Office Clerks, General	467	23,916
	Landscaping and Groundskeeping Workers	464	24,764
	Social and Human Service Assistants	449	23,254
	Sales Representatives, Wholesale and Manufacturing	438	39,861
	Extraction Workers, All Other	424	48,046
	First-Line Supervisors/Managers of Transportation	418	53,738
	Cooks, Restaurant	381	20,974
	First-Line Supervisors/Managers of Retail Sales Workers	381	33,057
	Laborers and Freight, Stock, and Material Movers, Hand	372	23,948
	First-Line Supervisors/Managers of Mechanics, Installers	366	56,799
	Hotel, Motel, and Resort Desk Clerks	365	18,963





Occupations Requiring an Associates Degree or Less, more than 250 Jobs, and above Federal Poverty level



Typical Education	Occupation	Projected Jobs	Average Annual Wage
01-Work Experience	Executive Secretaries and Administrative Assistants	361	35,087
	Child Care Workers	359	18,266
	First-Line Supervisors/Managers of Food Preparation	337	26,239
	Receptionists and Information Clerks	318	21,338
	Personal and Home Care Aides	282	21,047
	Cement Masons and Concrete Finishers	282	31,807
	Bartenders	281	16,071
	Excavating and Loading Machine and Dragline Operators	279	35,820
	First-Line Supervisors/Managers of Office	268	40,239
	Service Unit Operators, Oil, Gas, and Mining	262	43,162
02-Vocational Training	First-Line Supervisors/Managers of Production	260	56,768
	Inspectors, Testers, Sorters, Samplers, and Weighers	251	41,233
	Mobile Heavy Equipment Mechanics, Except Engines	467	44,321
	Bus and Truck Mechanics and Diesel Engine Specialists	390	42,542
	Automotive Service Technicians and Mechanics	382	33,590
03-Associates Degree	Registered Nurses	1,278	52,795

