

The Buffalo County Economy in Light of Sand Mining

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The Buffalo County Economy in Light of Sand Mining

What is the intent of the Research Team?

- Reflect on the direction of the Buffalo County economy.
- How might the sand mine industry impact-effect the Buffalo County economy?
- What are the alternative economic development options for Buffalo County?

The Buffalo County Economy in Light of Sand Mining

Working outline of Research Team?

- Three to four meetings to be decided by the Research Team.
- Review economic data on the County economy.
- What are the outputs and outcomes coming from the Research Team?

The Buffalo County Economy in Light of Sand Mining

What is one challenge that the Research Team must grapple with?

TOO MUCH DATA!

How do we filter through what is relevant, not so relevant?

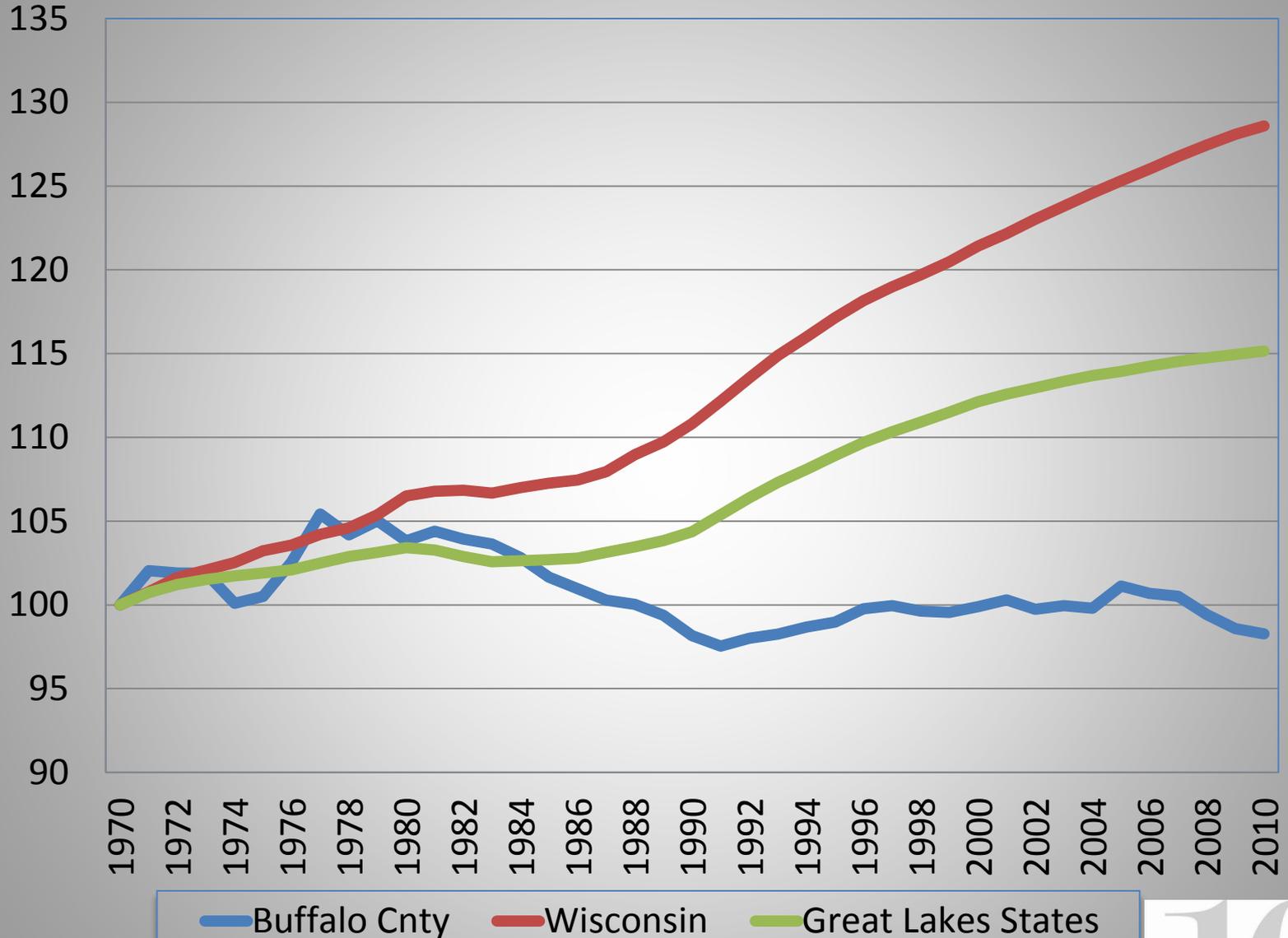
Where do we want to focus our energy?

The Buffalo County Economy in Light of Sand Mining

Measures of the economy:

- General population trends.
- Employment trends.
- Income trends.
- The structure of the local economy.

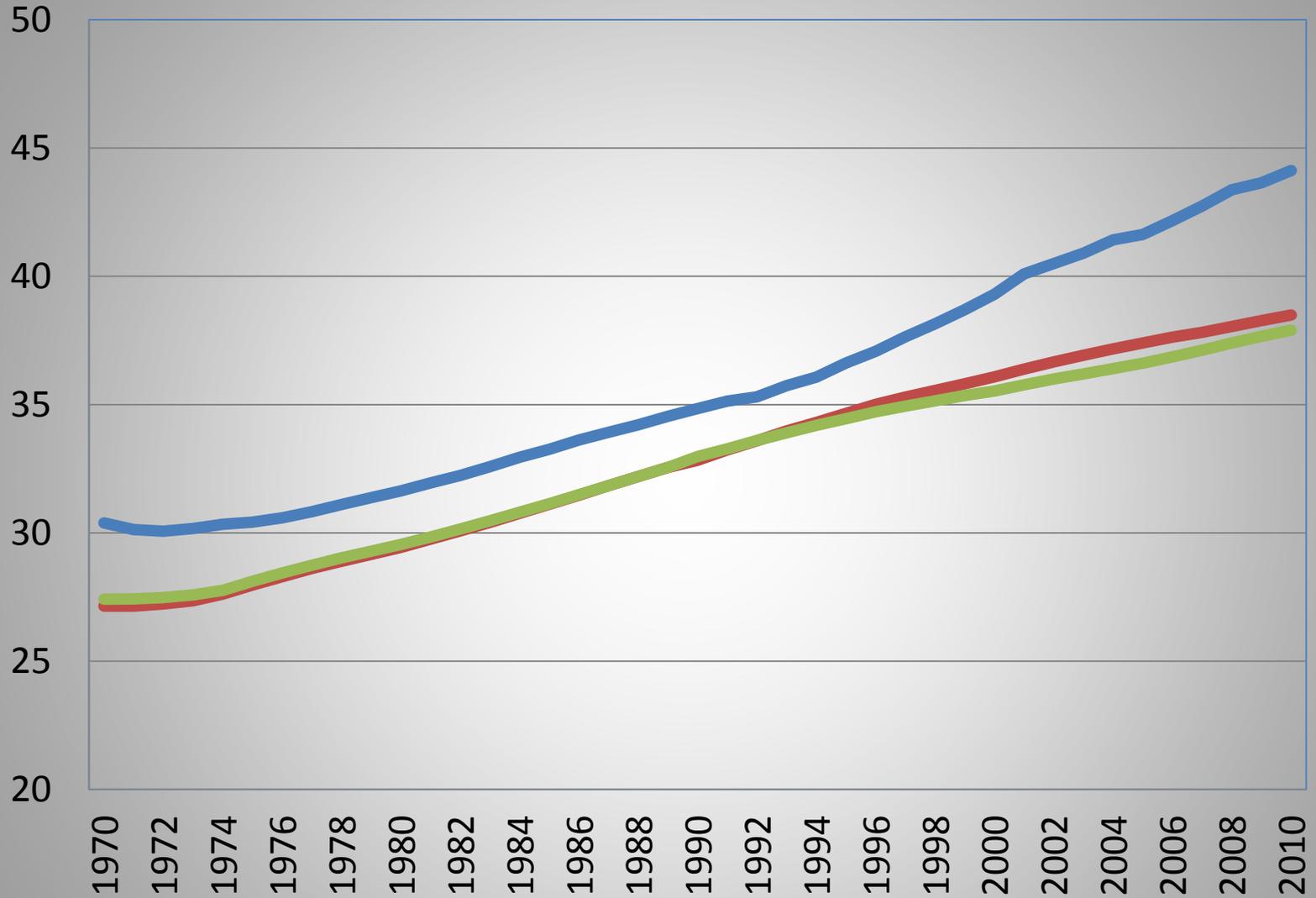
Population Growth Index



— Buffalo Cnty — Wisconsin — Great Lakes States



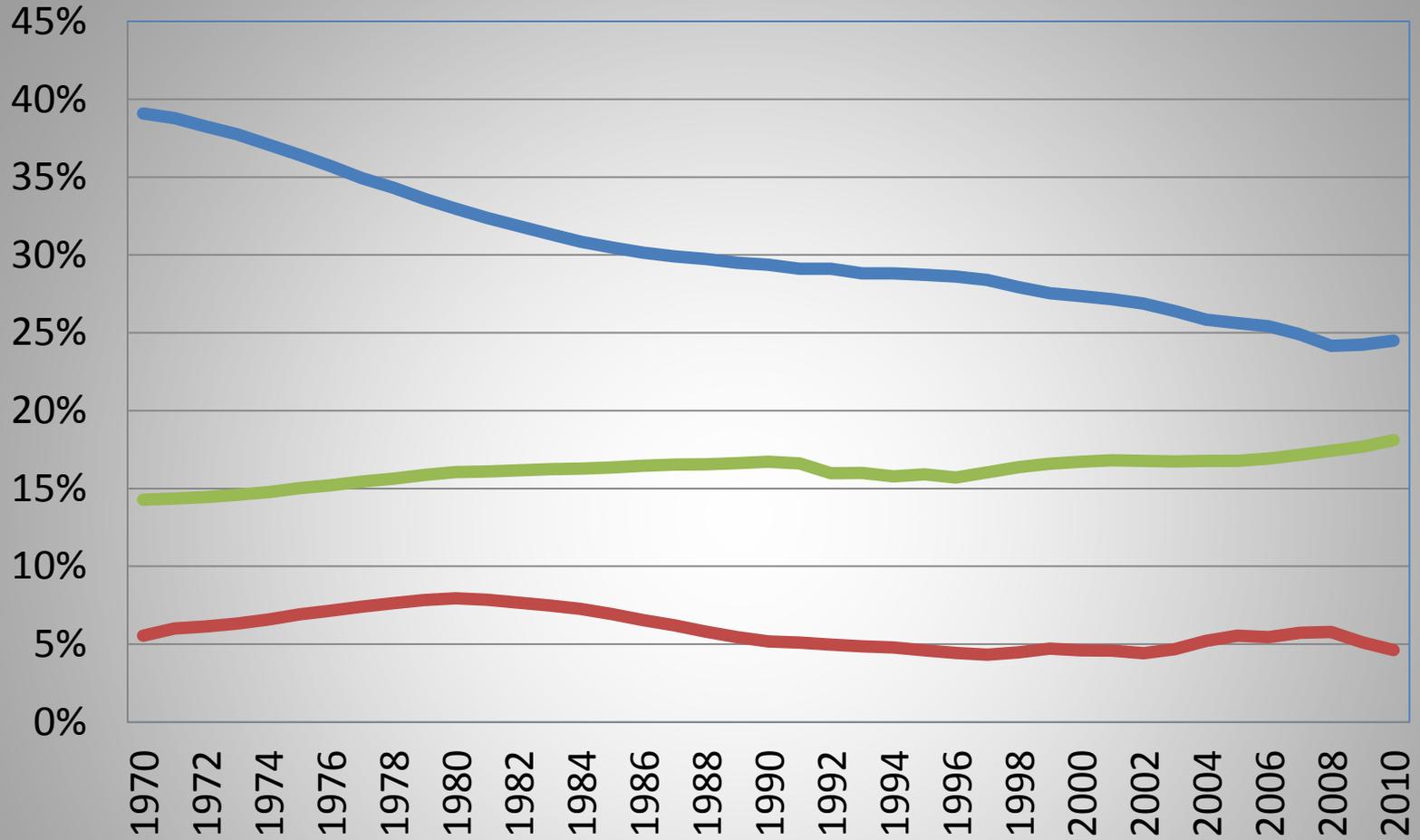
Median Age



— Buffalo Cnty — Wisconsin — Great Lakes States

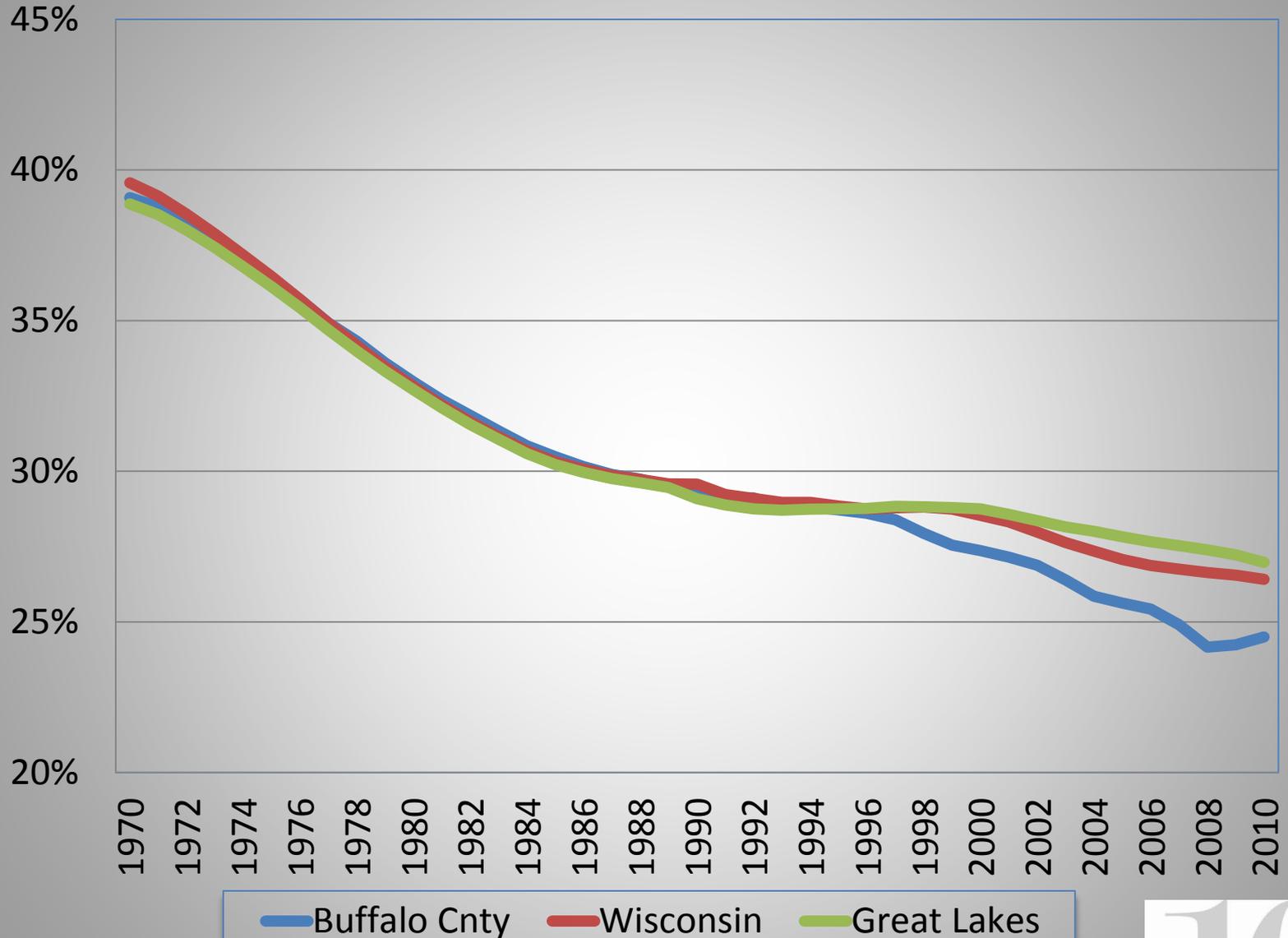


Buffalo County Age Profile

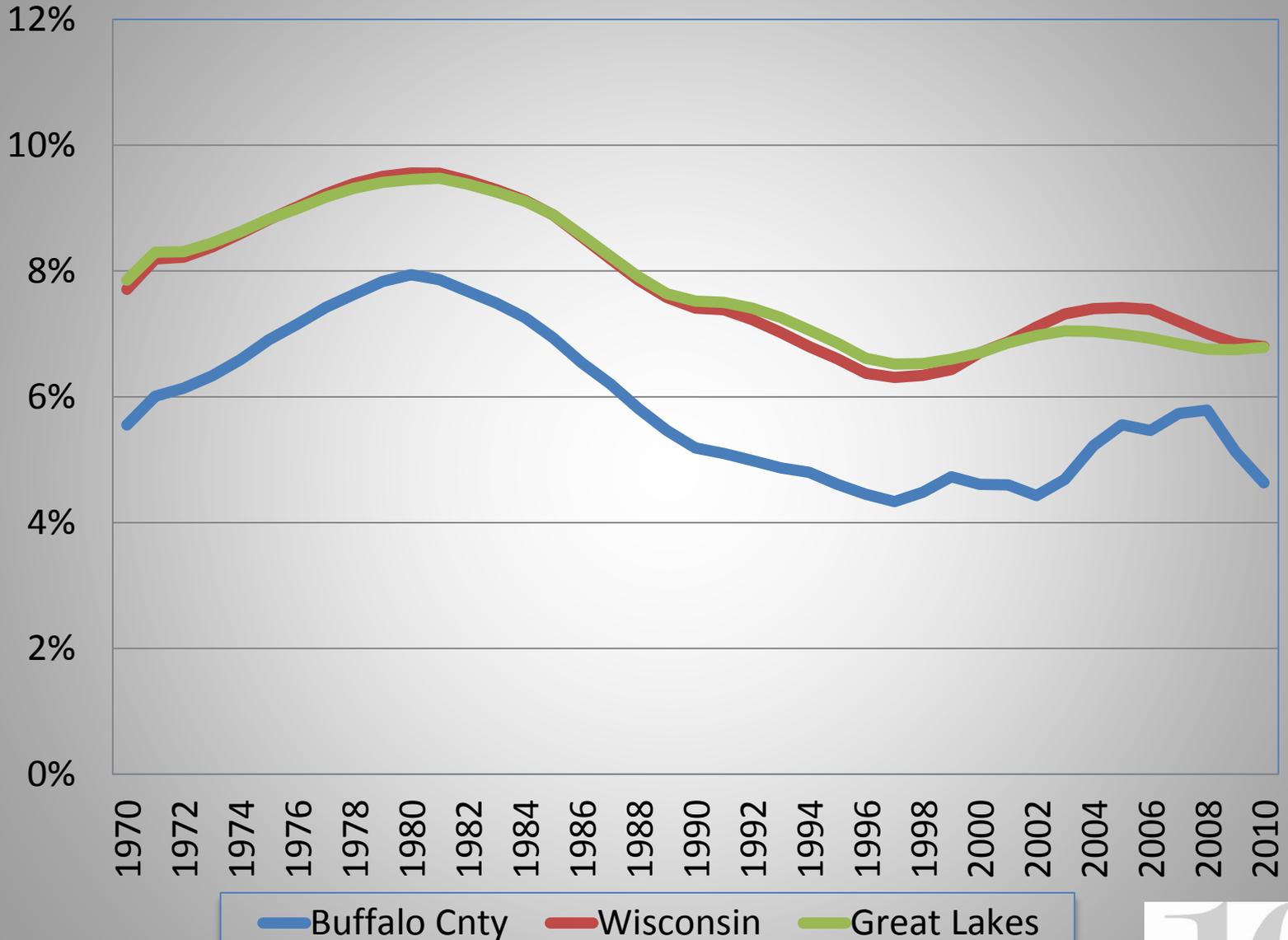


- Population Age 0 to 19 Years
- Population Age 20 to 24 Years
- Population Age 65 Years and Over

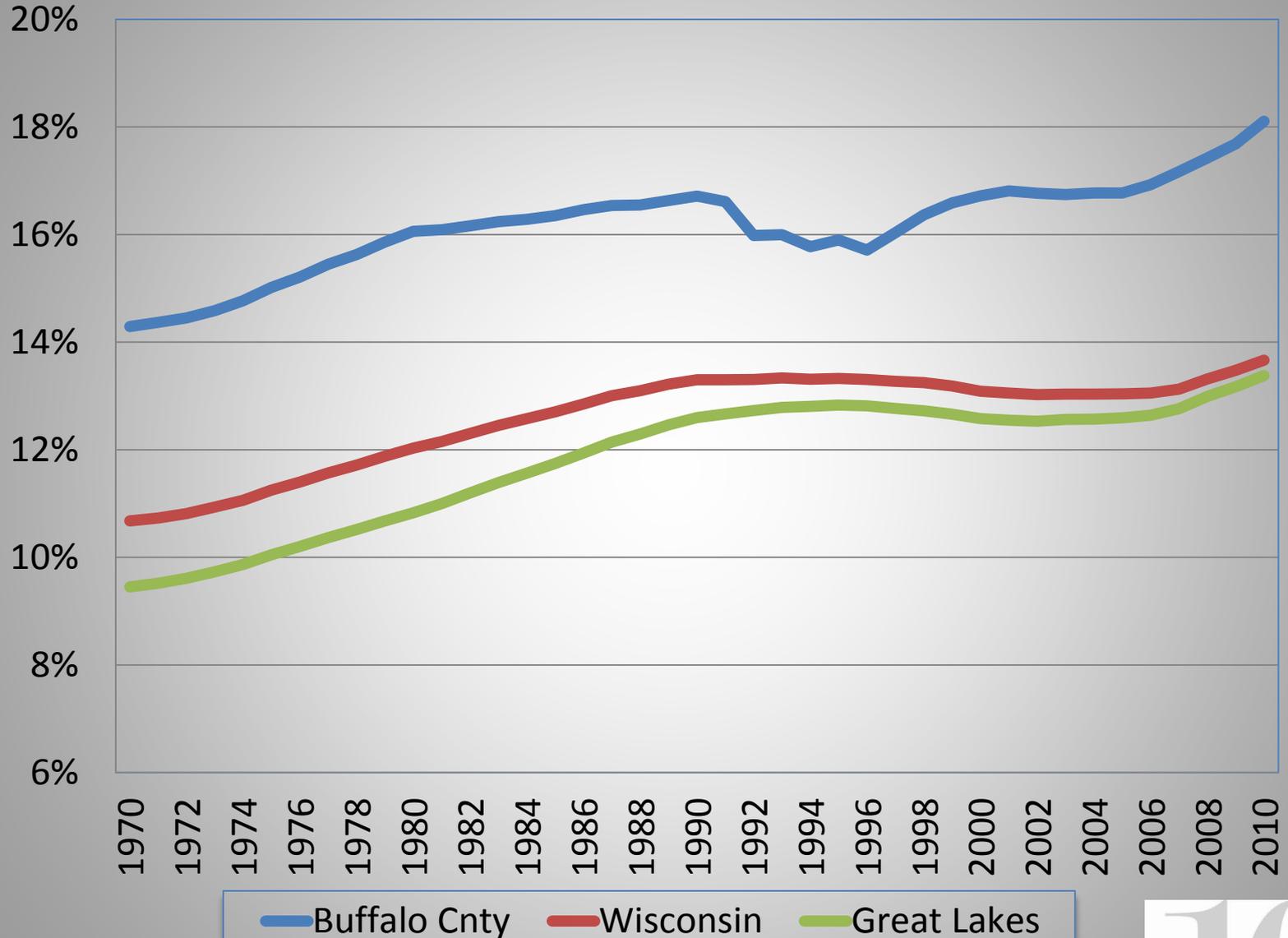
Population Age 0 to 19 Years



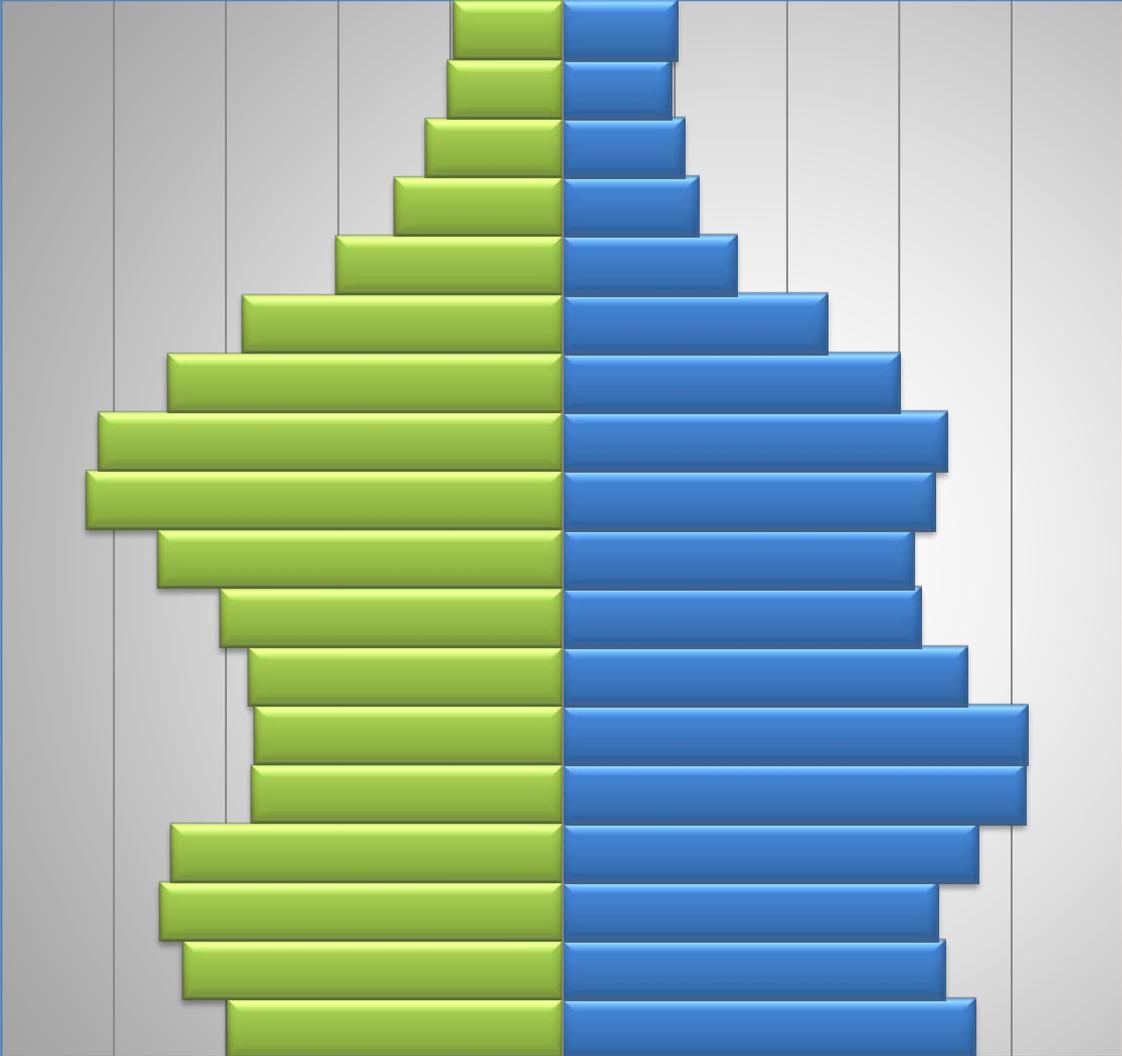
Population Age 20 to 24 Years



Population Age 65 Years and Over



Age Profile 2010



- 85 and Over
- 80 to 84
- 75 to 79
- 70 to 74
- 65 to 69
- 60 to 64
- 55 to 59
- 50 to 54
- 45 to 49
- 40 to 44
- 35 to 39
- 30 to 34
- 25 to 29
- 20 to 24
- 15 to 19
- 10 to 14
- 5 to 9
- Under 5

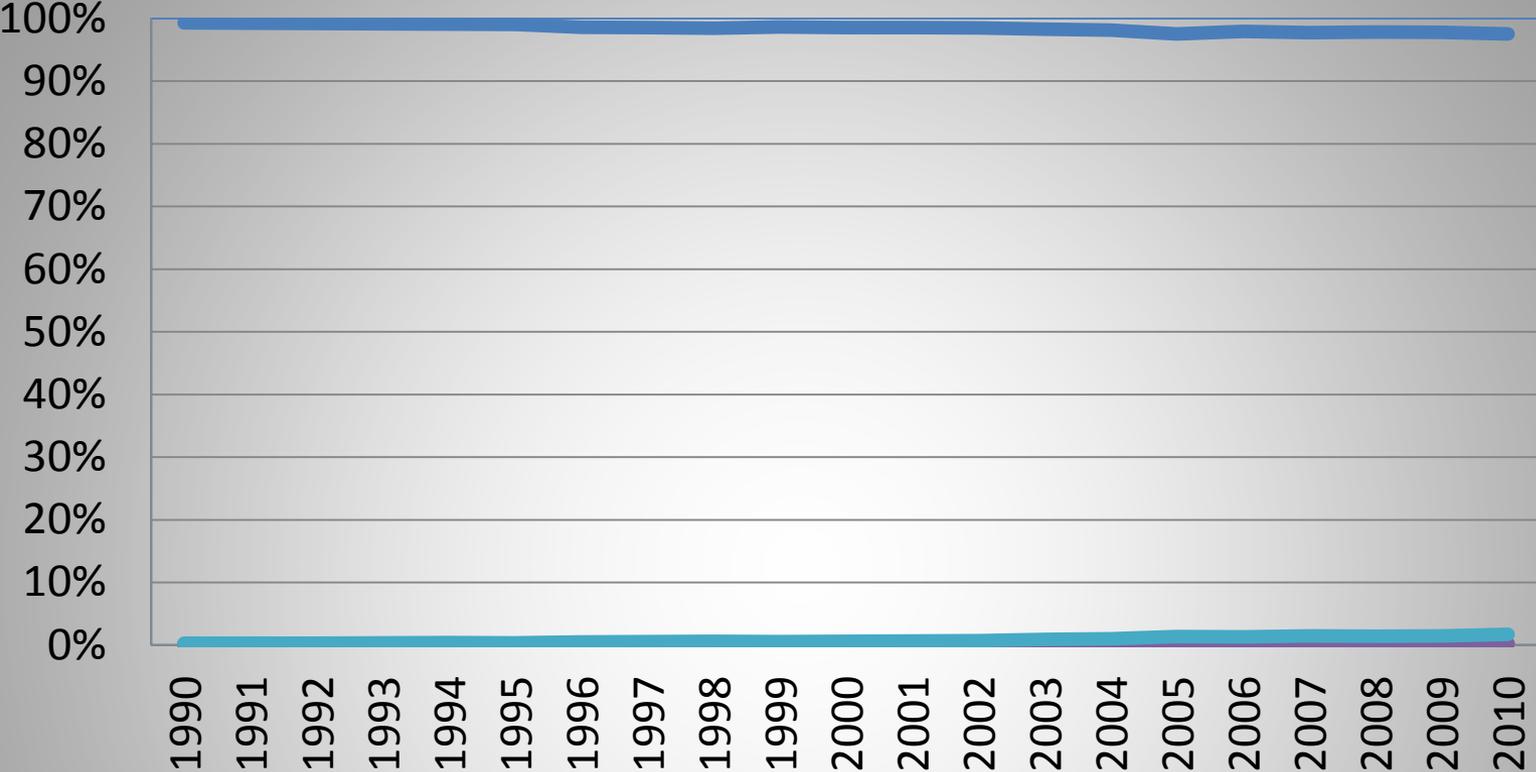
-10% -8% -6% -4% -2% 0% 2% 4% 6% 8% 10%

Wisconsin

Buffalo Cnty



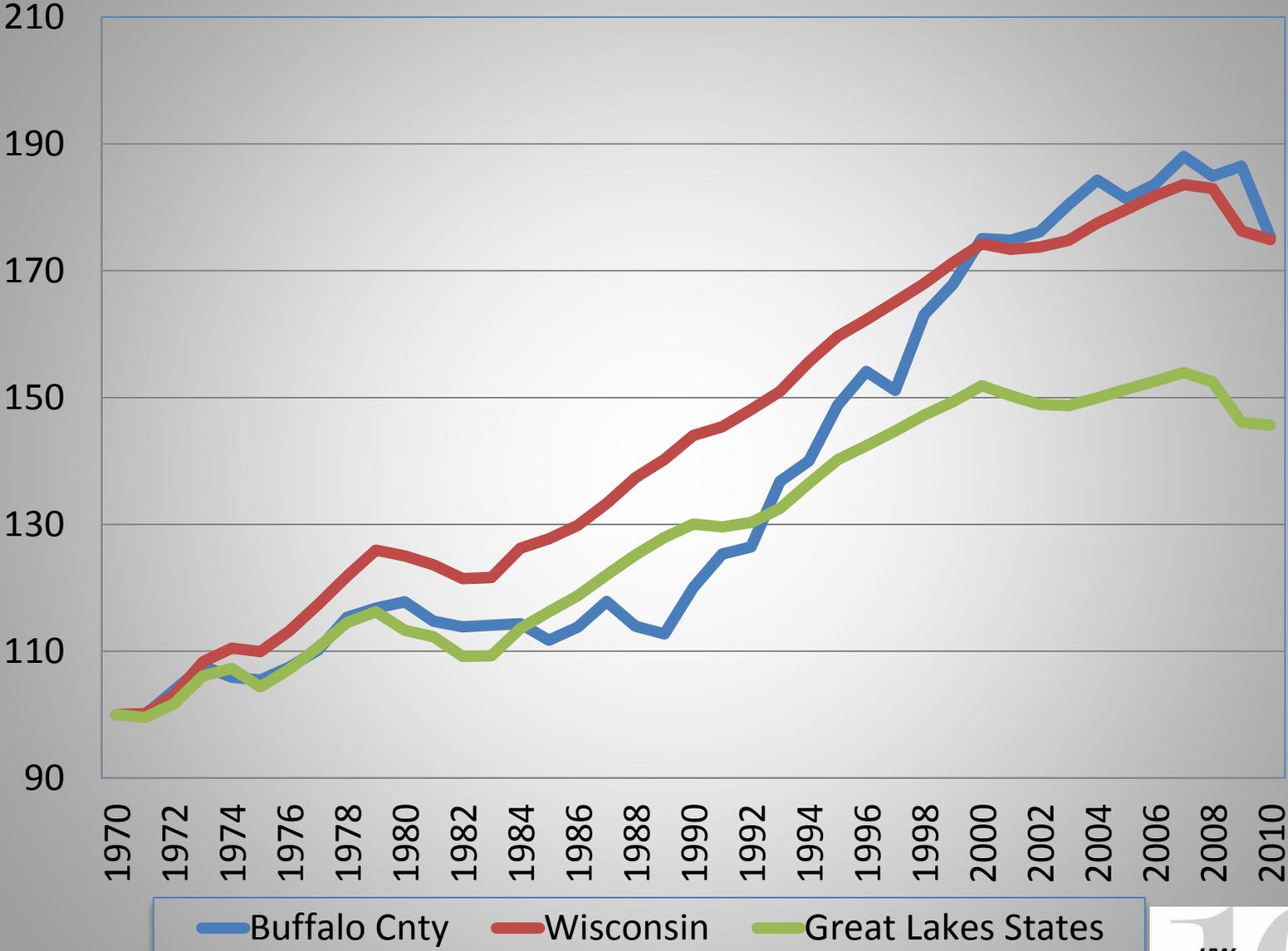
Buffalo Cnty Racial Profile



- White Population
- African American Population
- Native American Population
- Asian American and Pacific Islander Population
- Hispanic/Latino Population



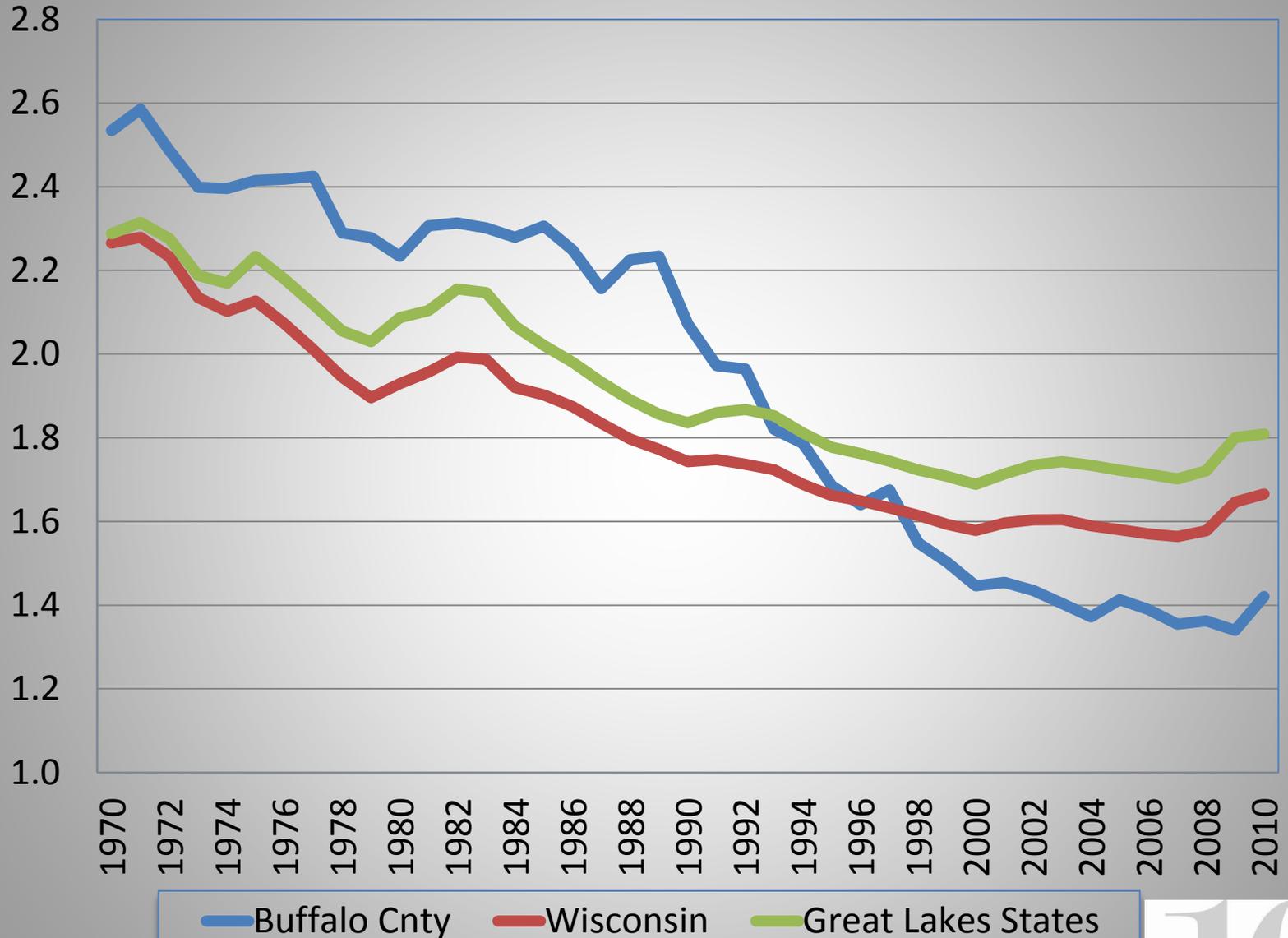
Total Employment Growth Index



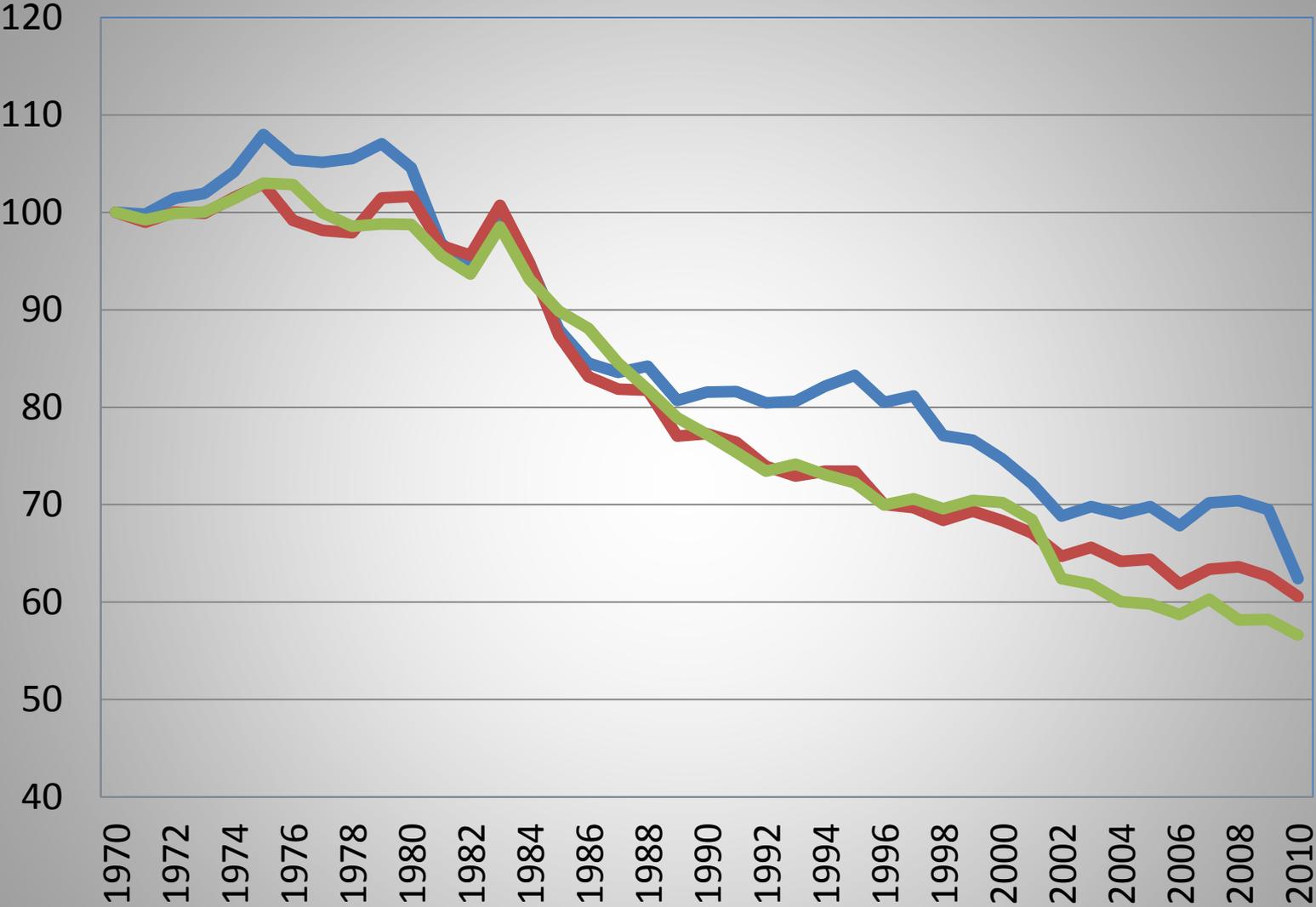
— Buffalo Cnty — Wisconsin — Great Lakes States



Population -- Employment Ratio



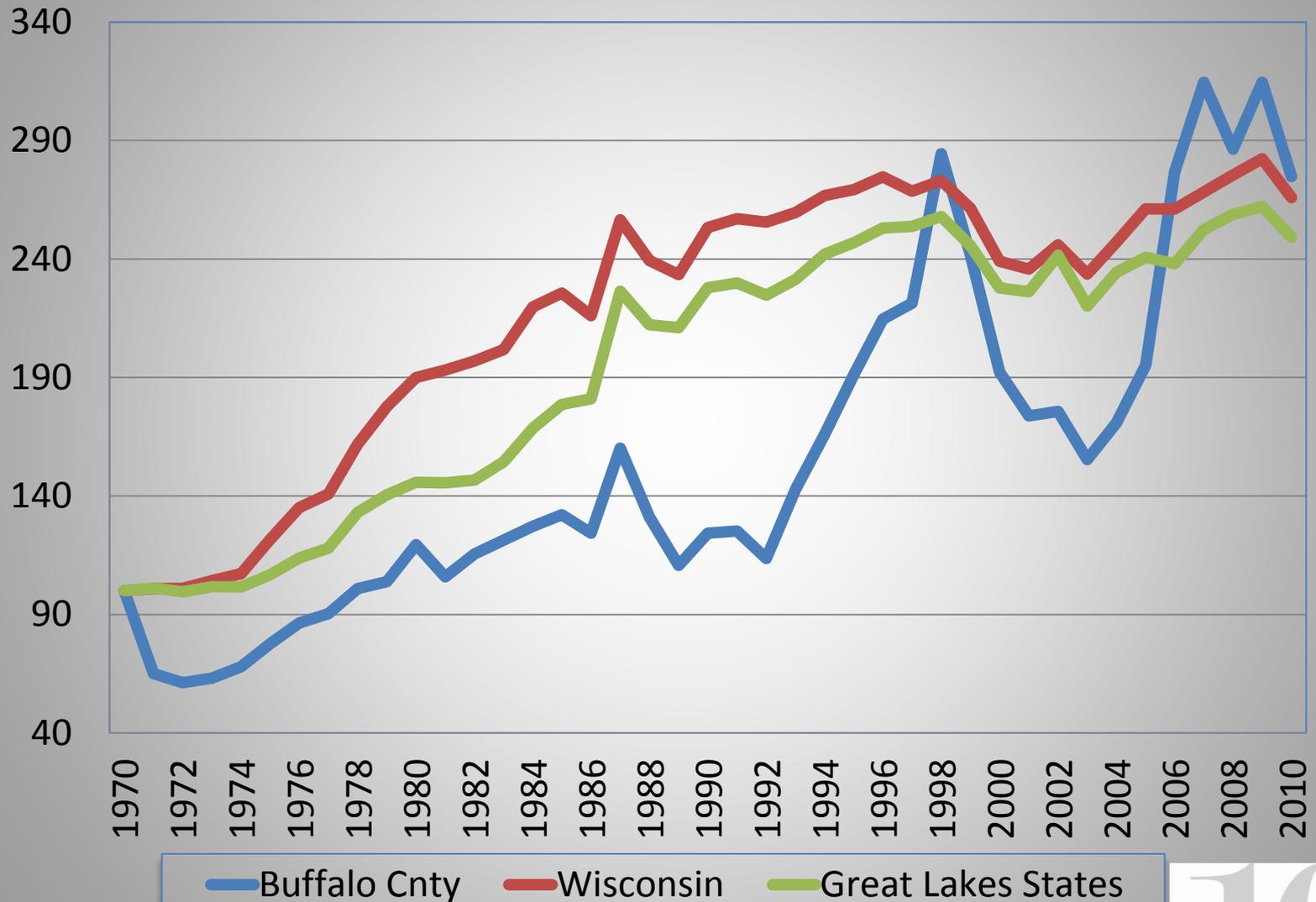
Farm Employment Growth Index



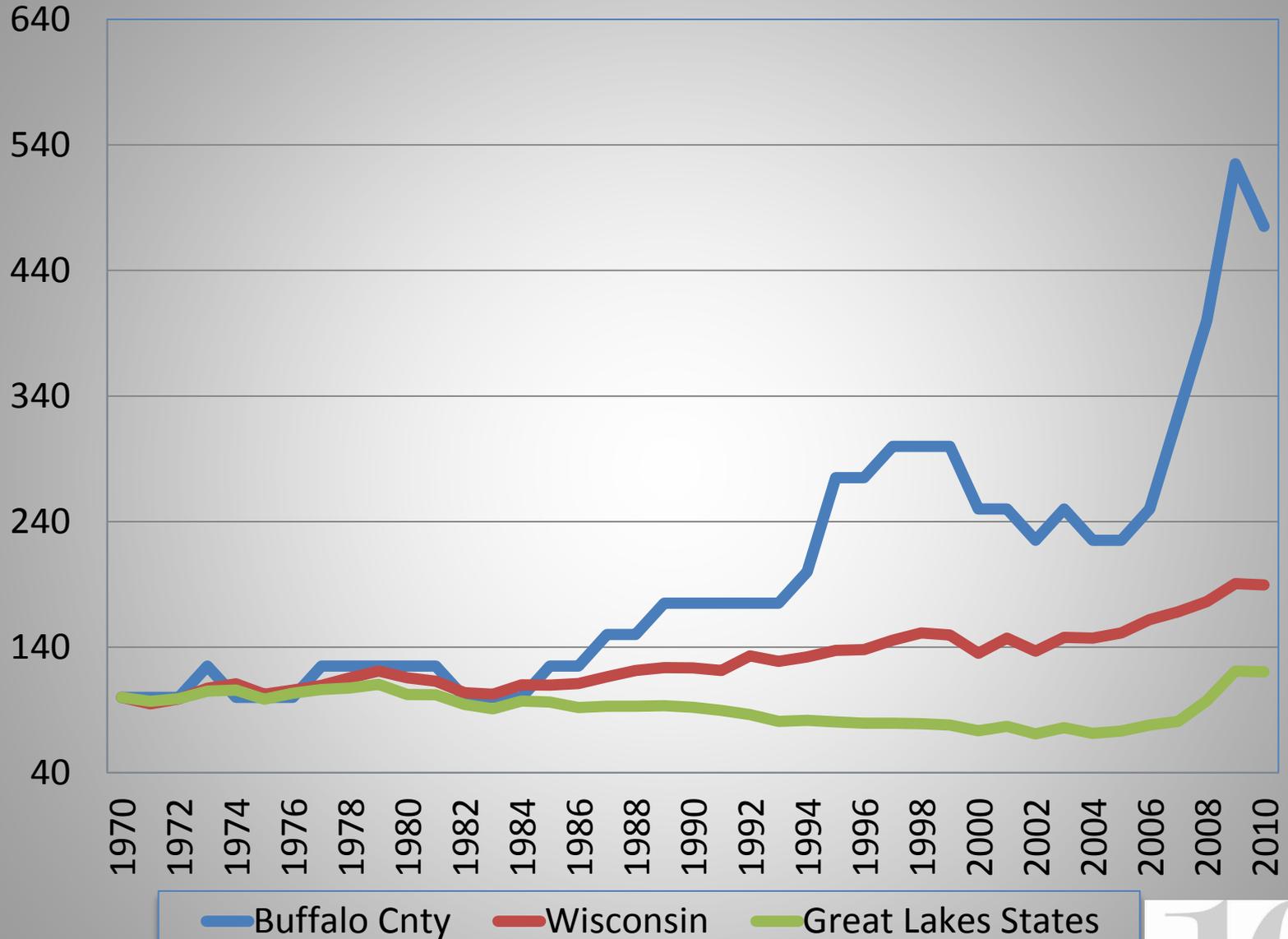
— Buffalo Cnty — Wisconsin — Great Lakes States



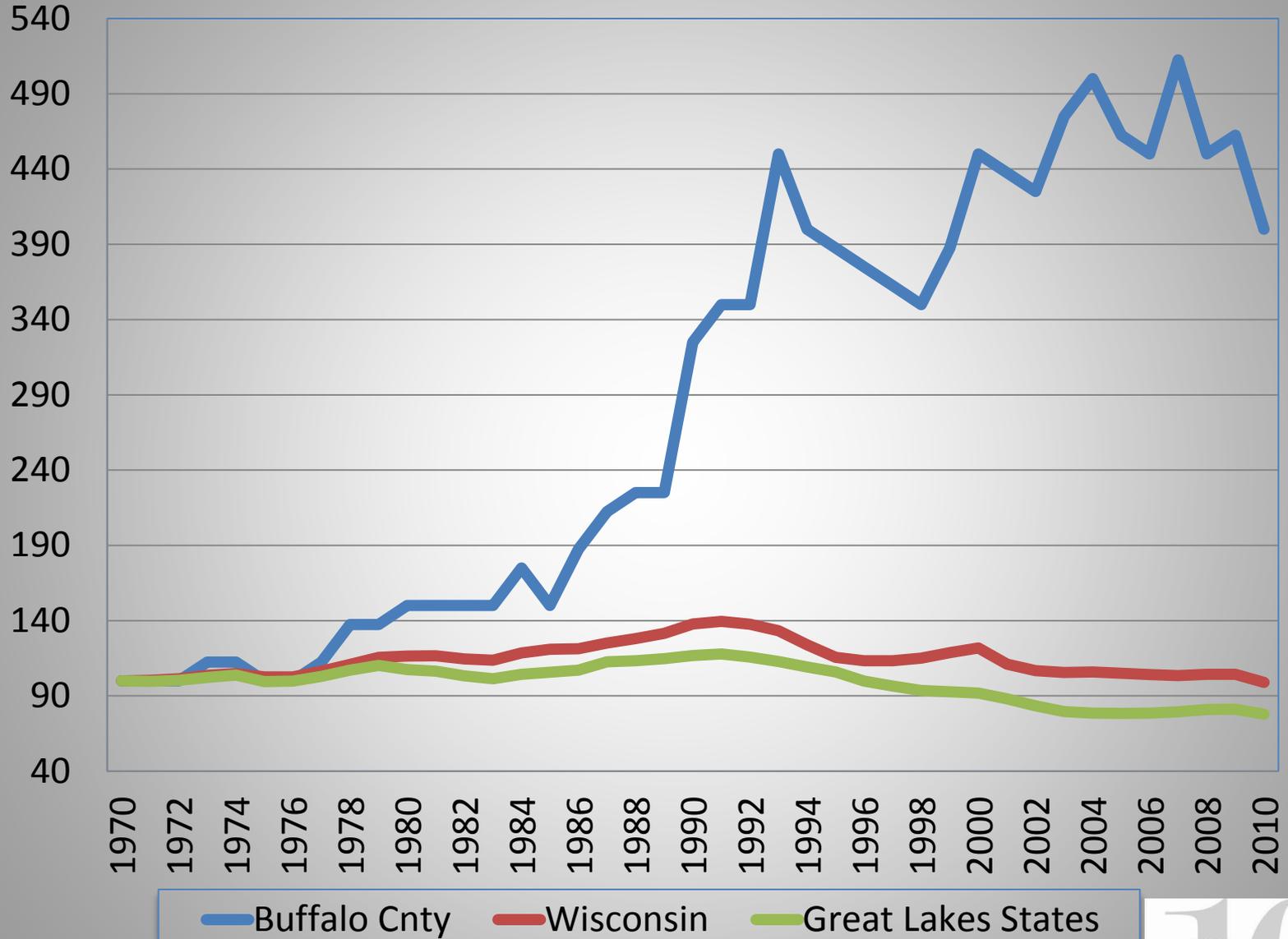
Forestry, Fishing, Related Activities Employment Growth Index



Mining Employment Growth Index



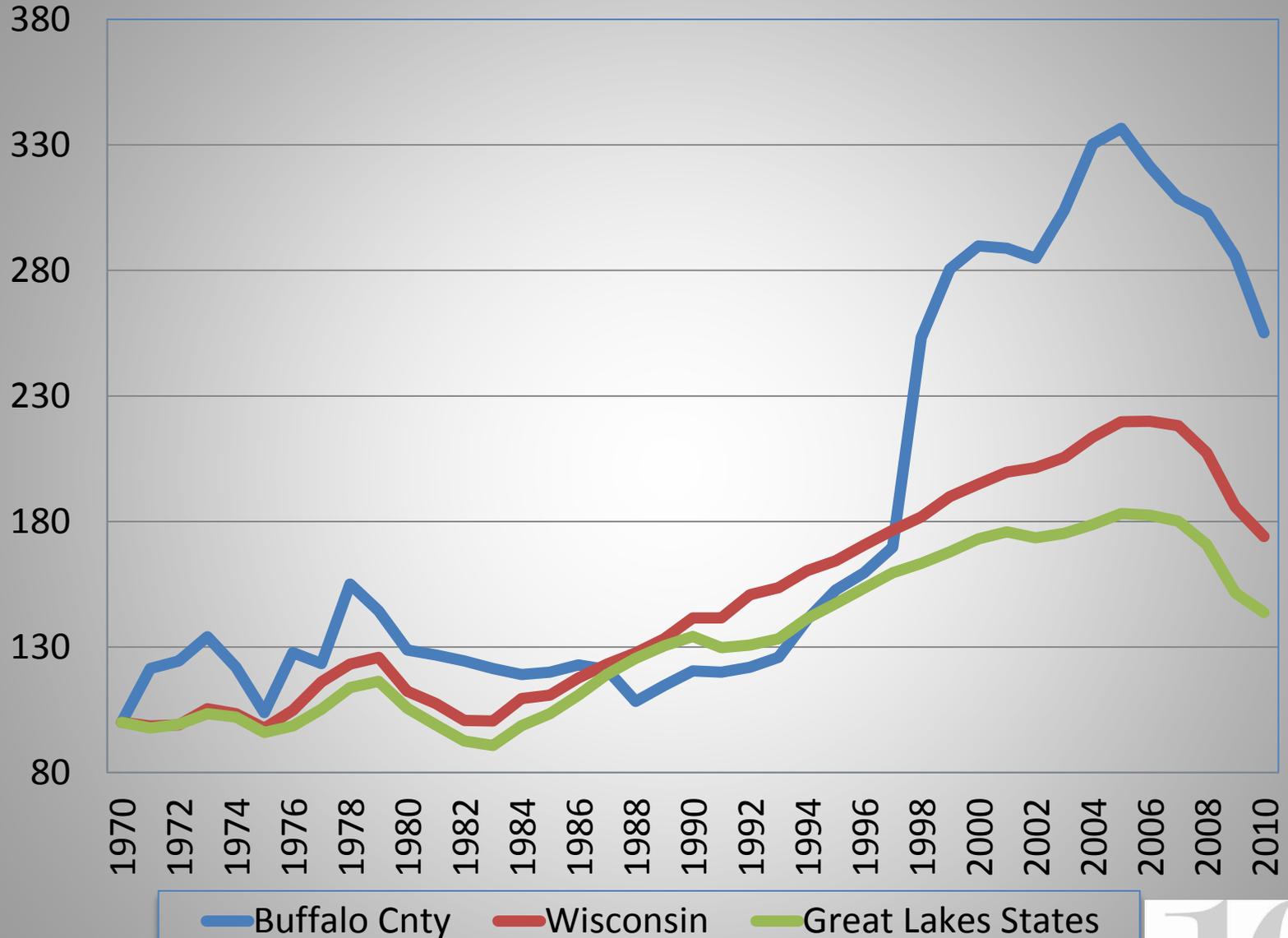
Utilities Employment Growth Index



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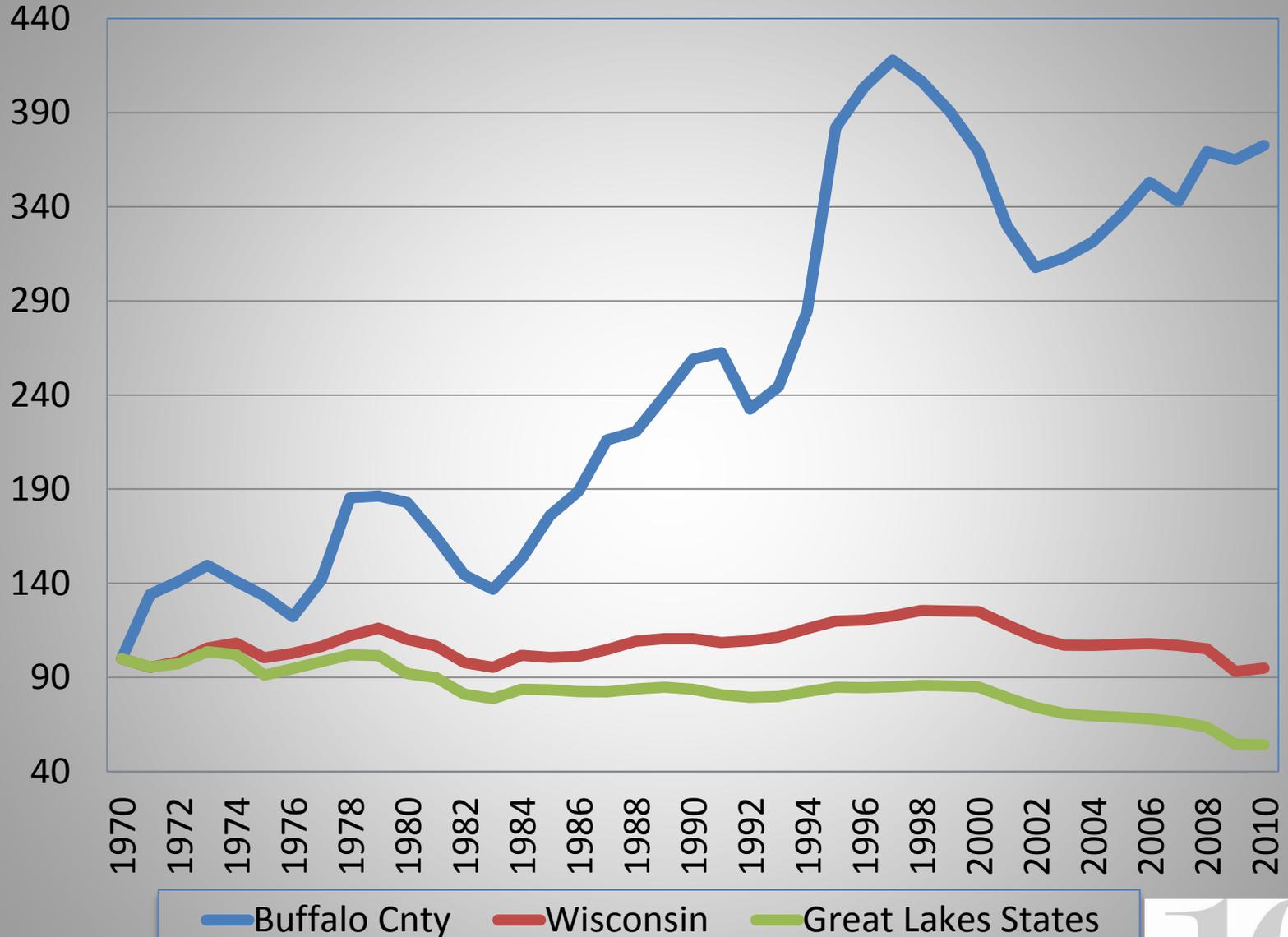
Construction Employment Growth Index



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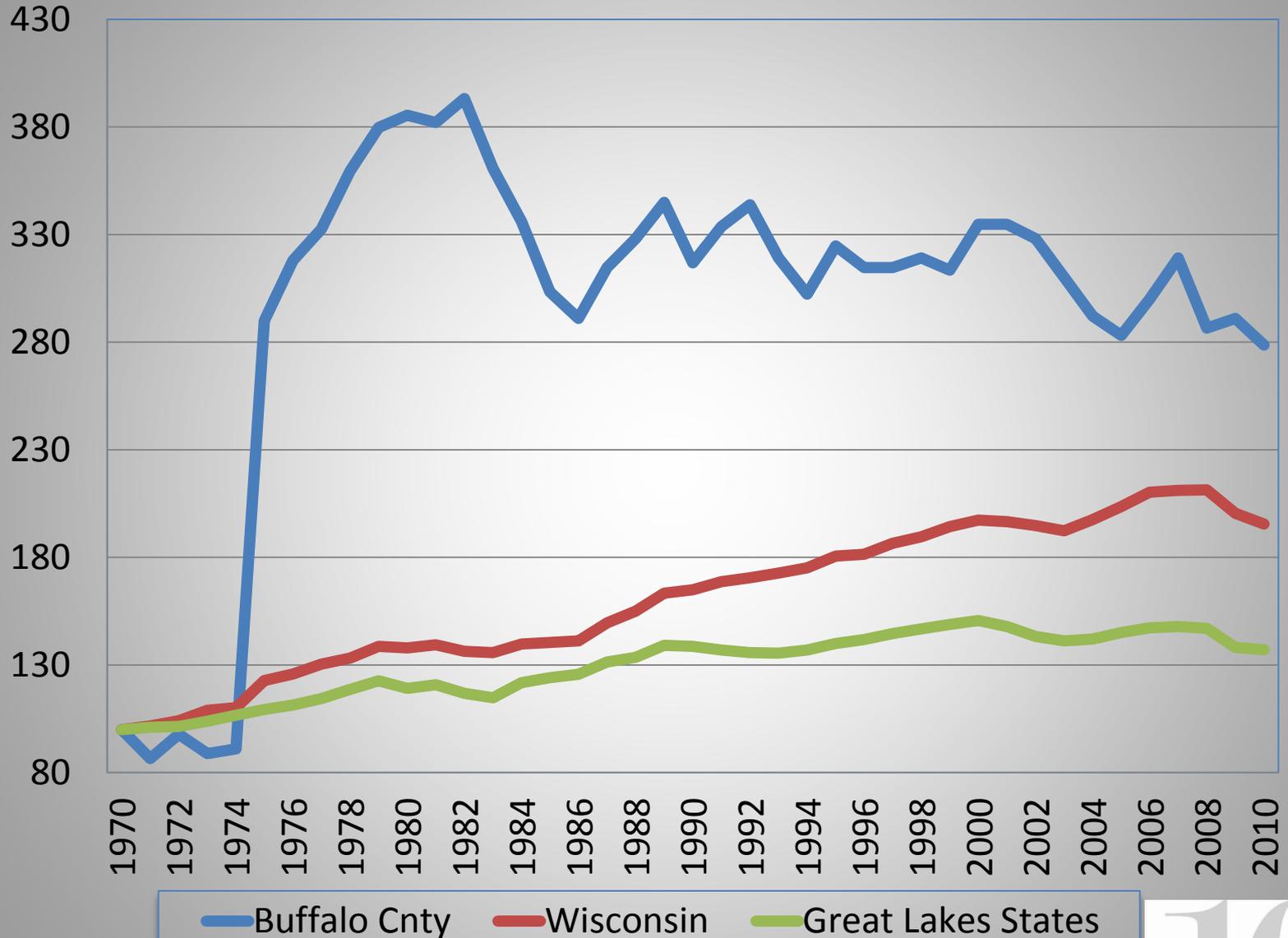
Manufacturing Employment Growth Index



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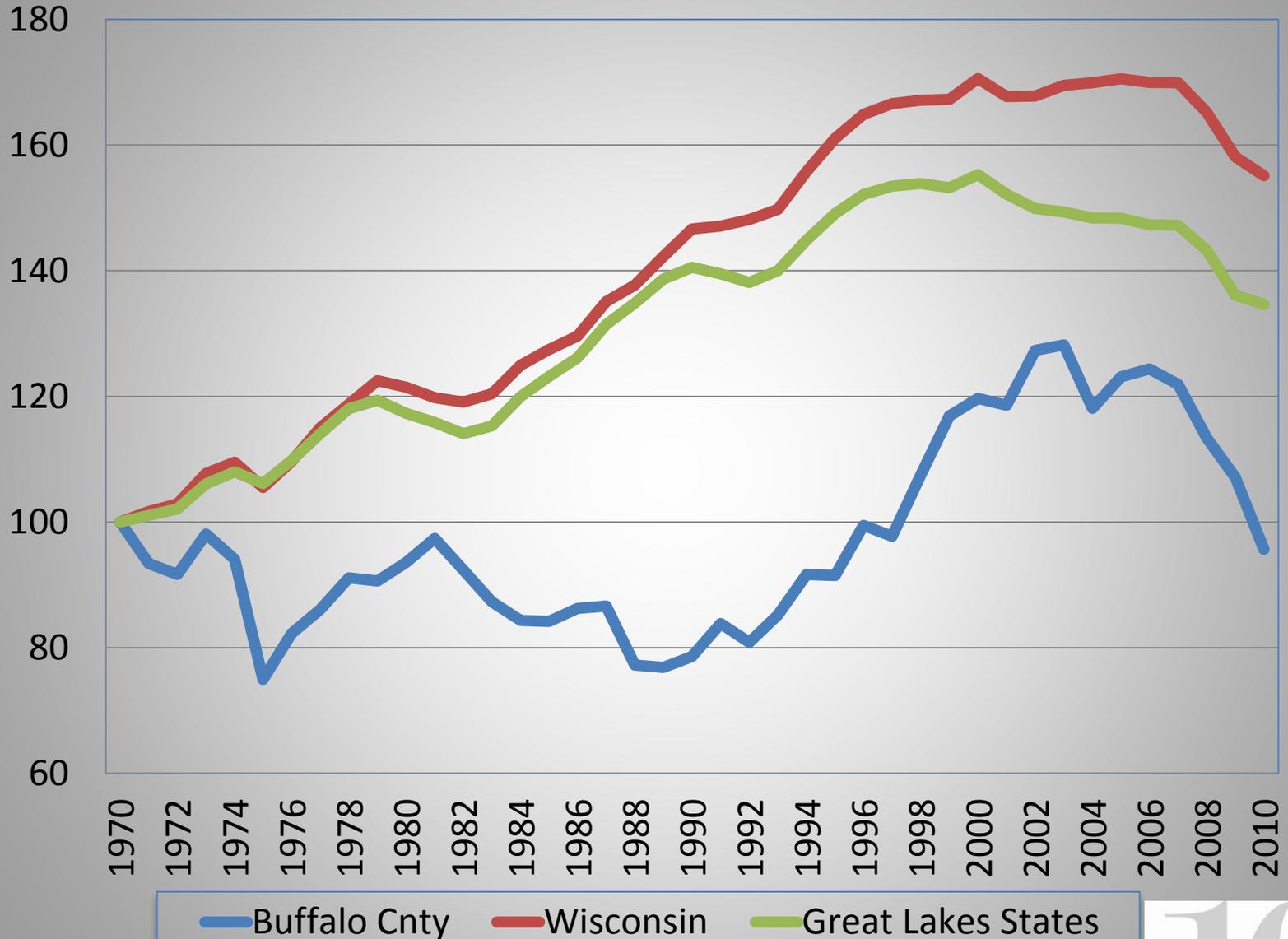
Wholesale Trade Employment Growth Index



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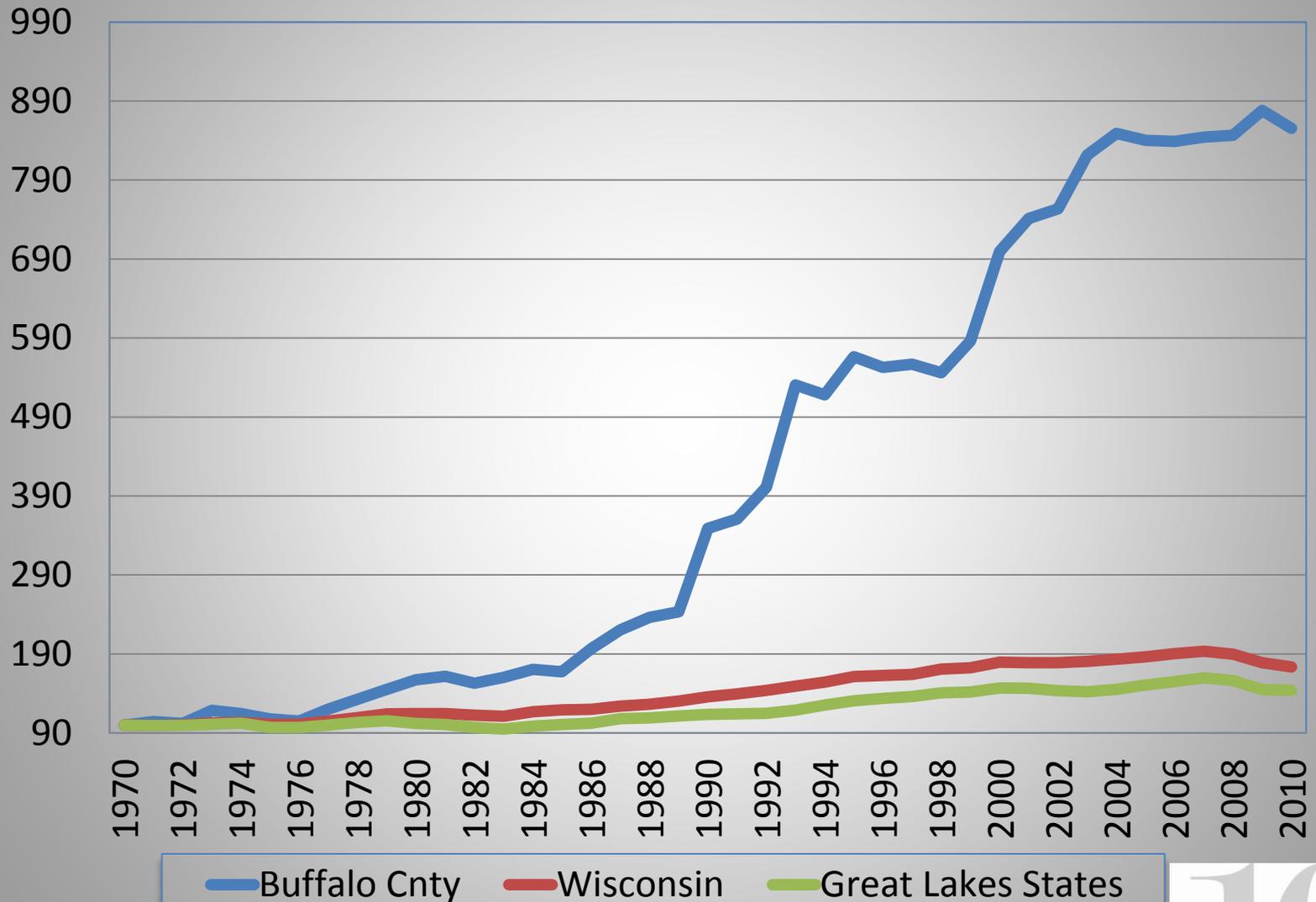
Retail Trade Employment Growth Index



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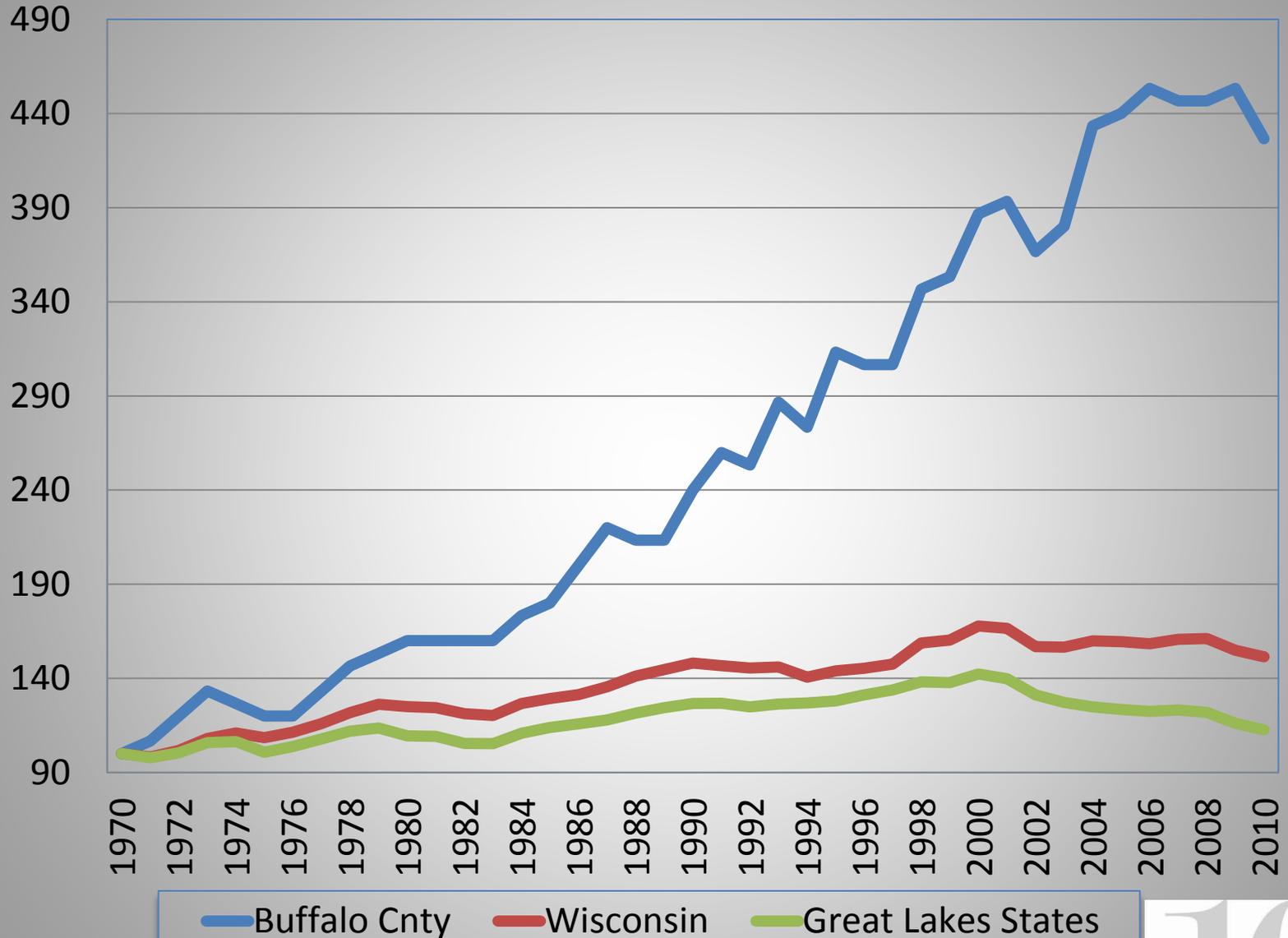
Transportation and Warehousing Employment Growth Index



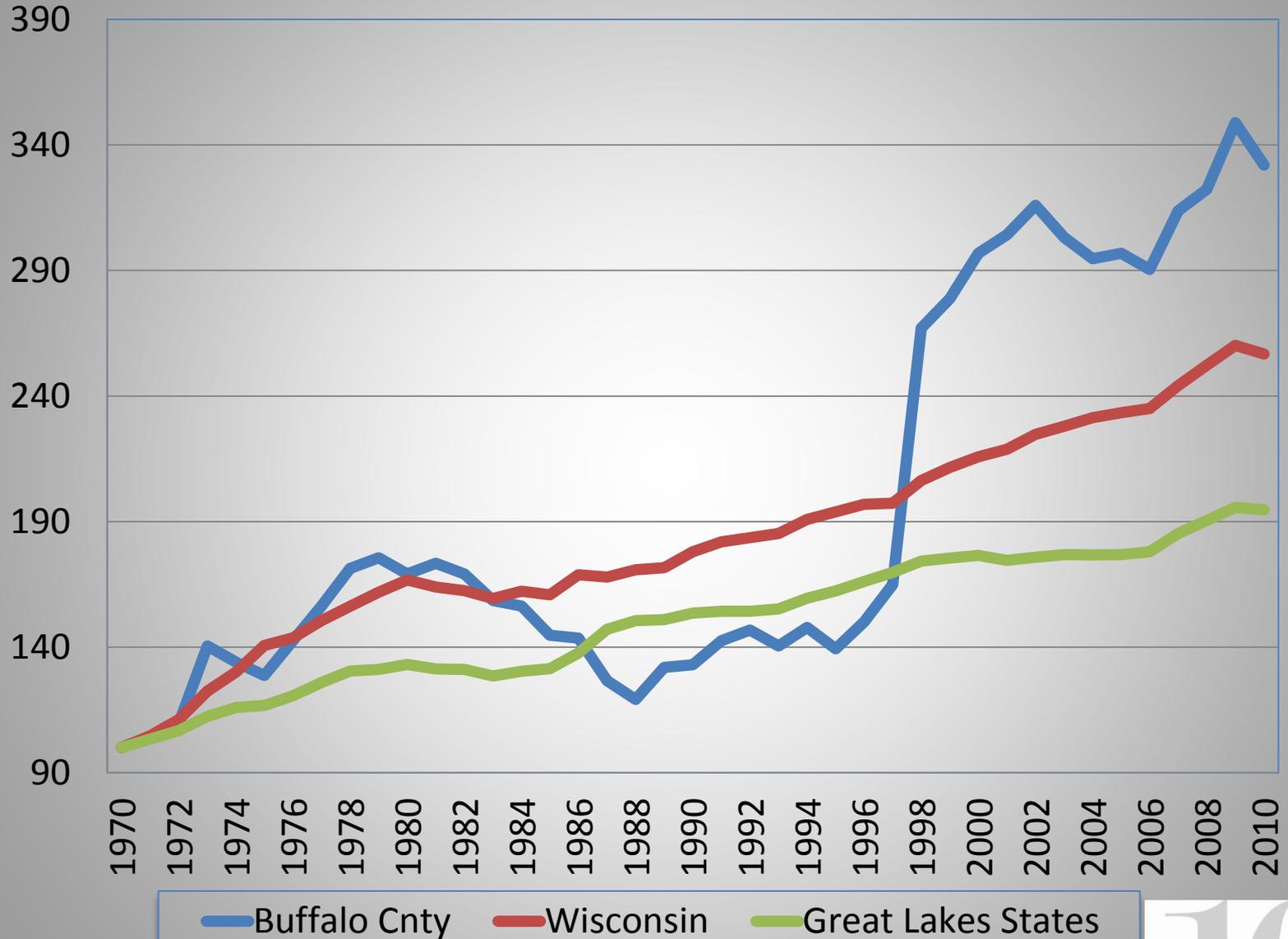
— Buffalo Cnty — Wisconsin — Great Lakes States



Information Services Employment Growth Index



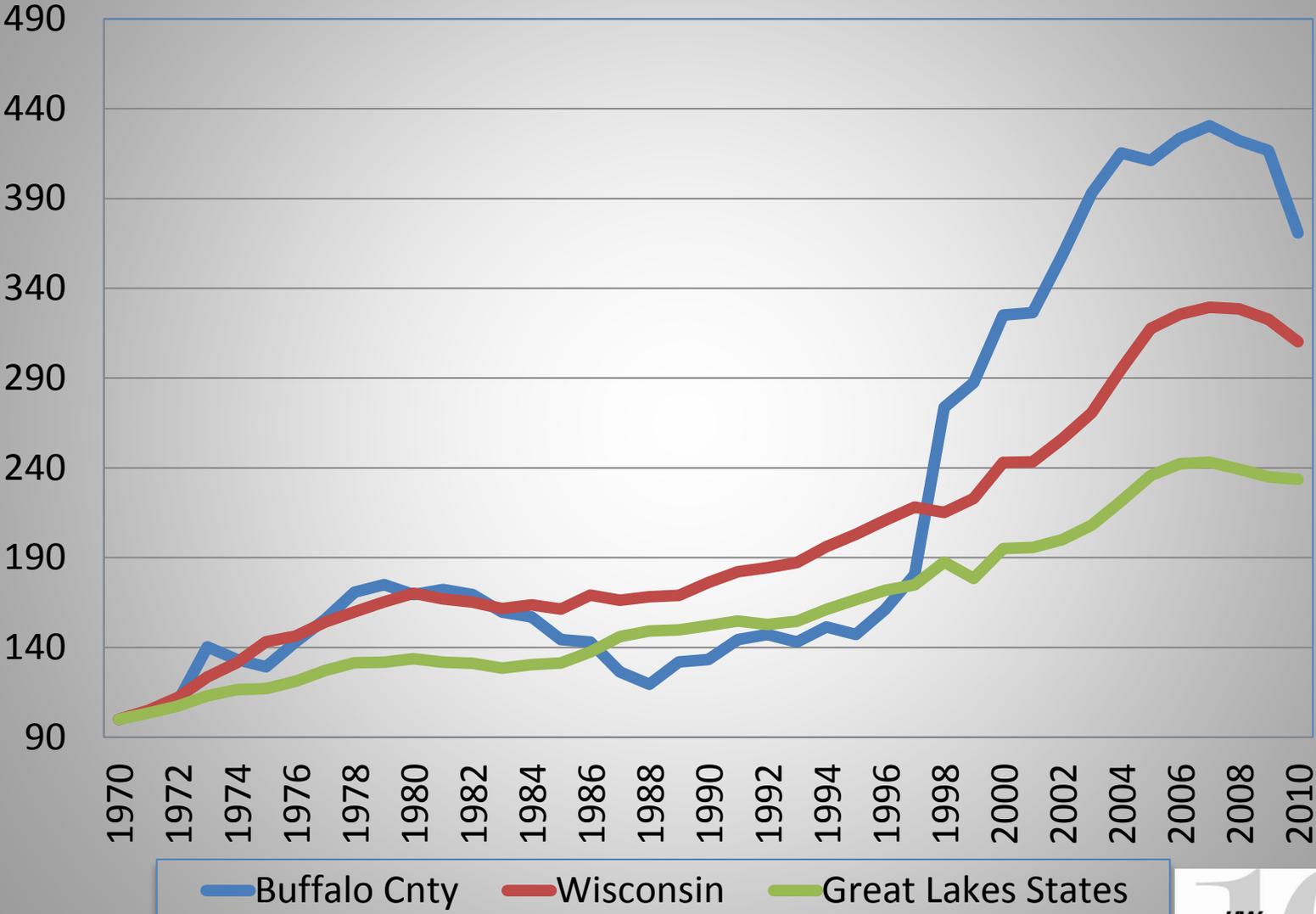
Finance and Insurance Employment Growth Index



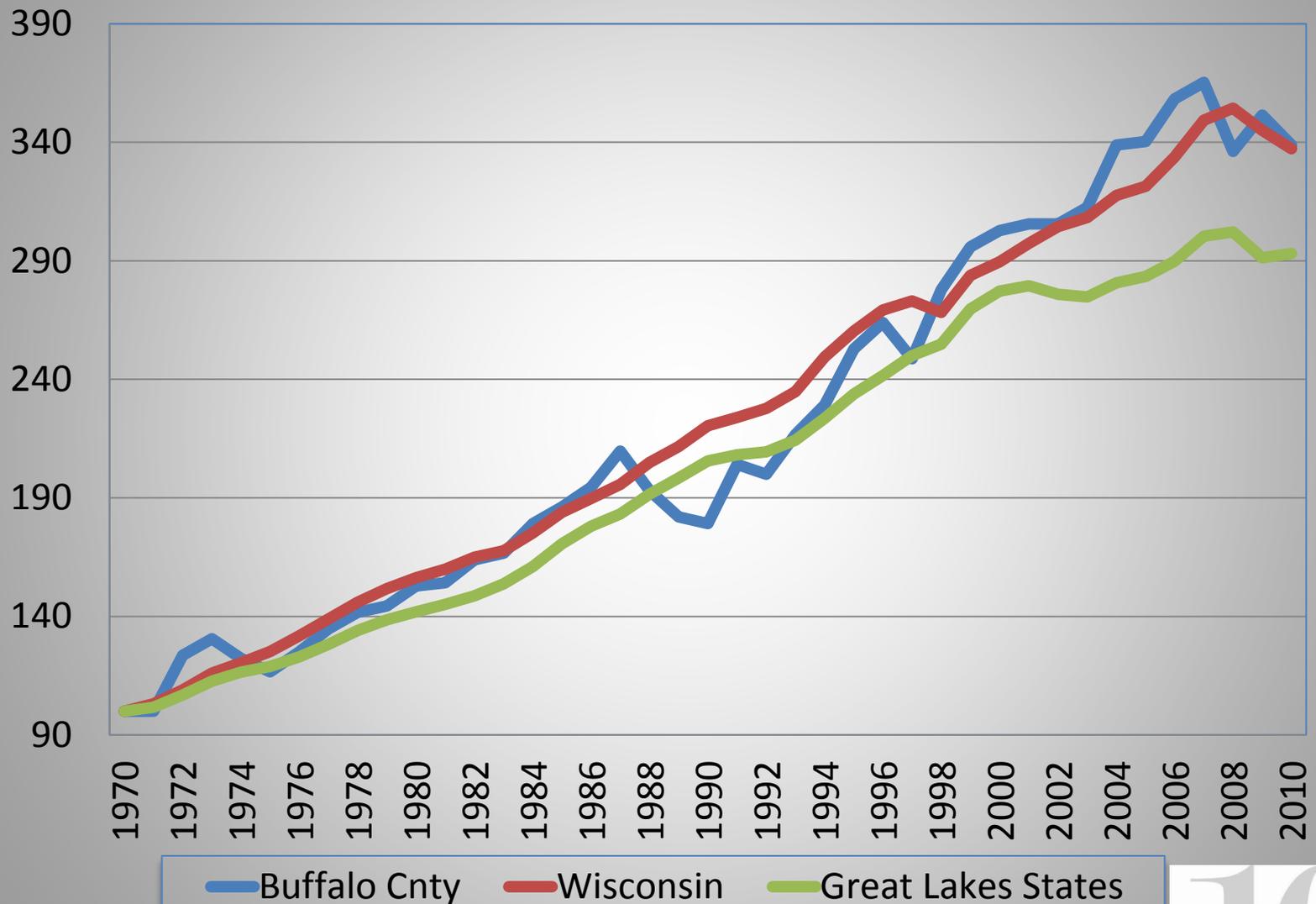
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Real Estate, Rental and Leasing Employment Growth Index



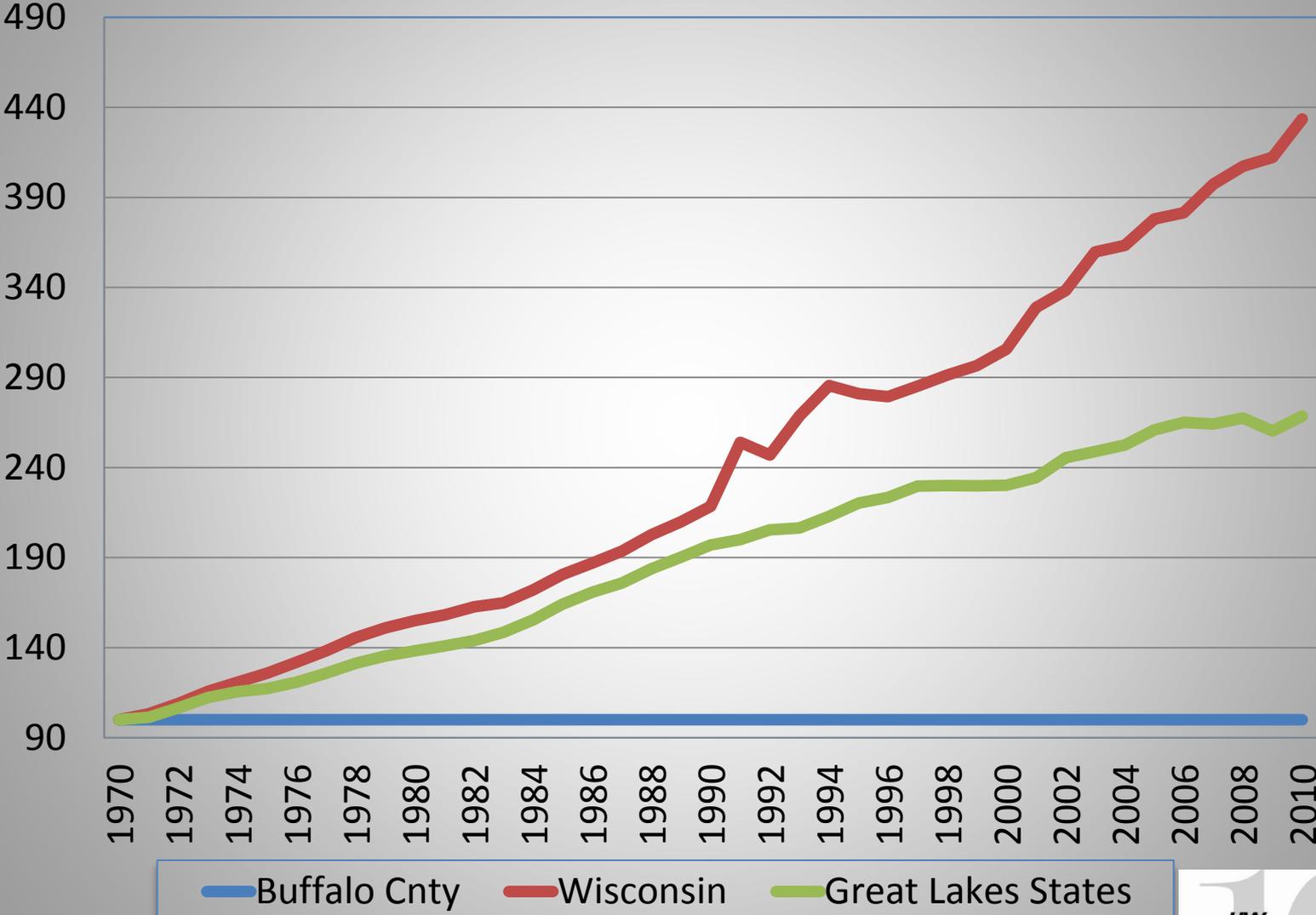
Professional and Technical Services Employment Growth Index



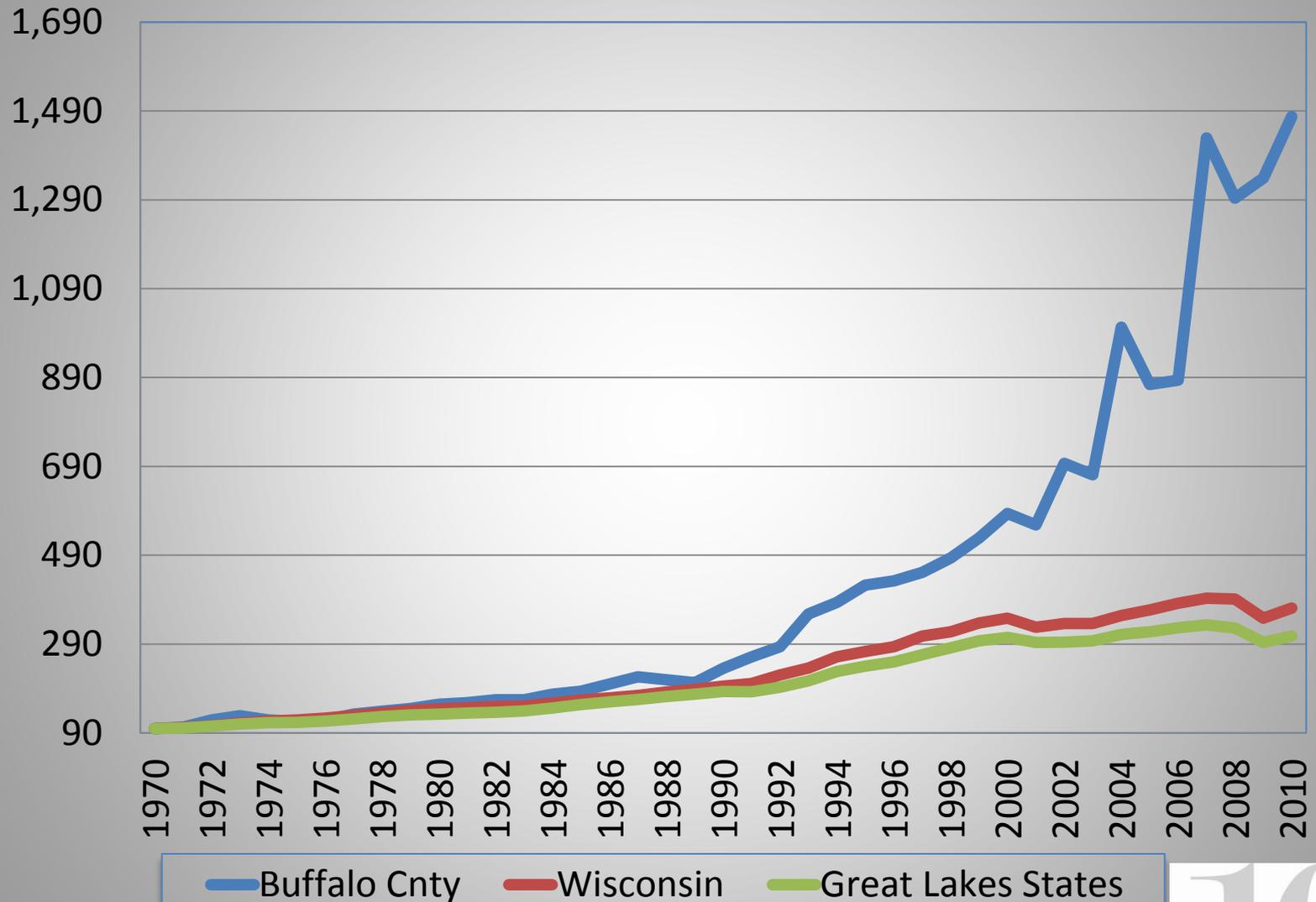
— Buffalo Cnty — Wisconsin — Great Lakes States



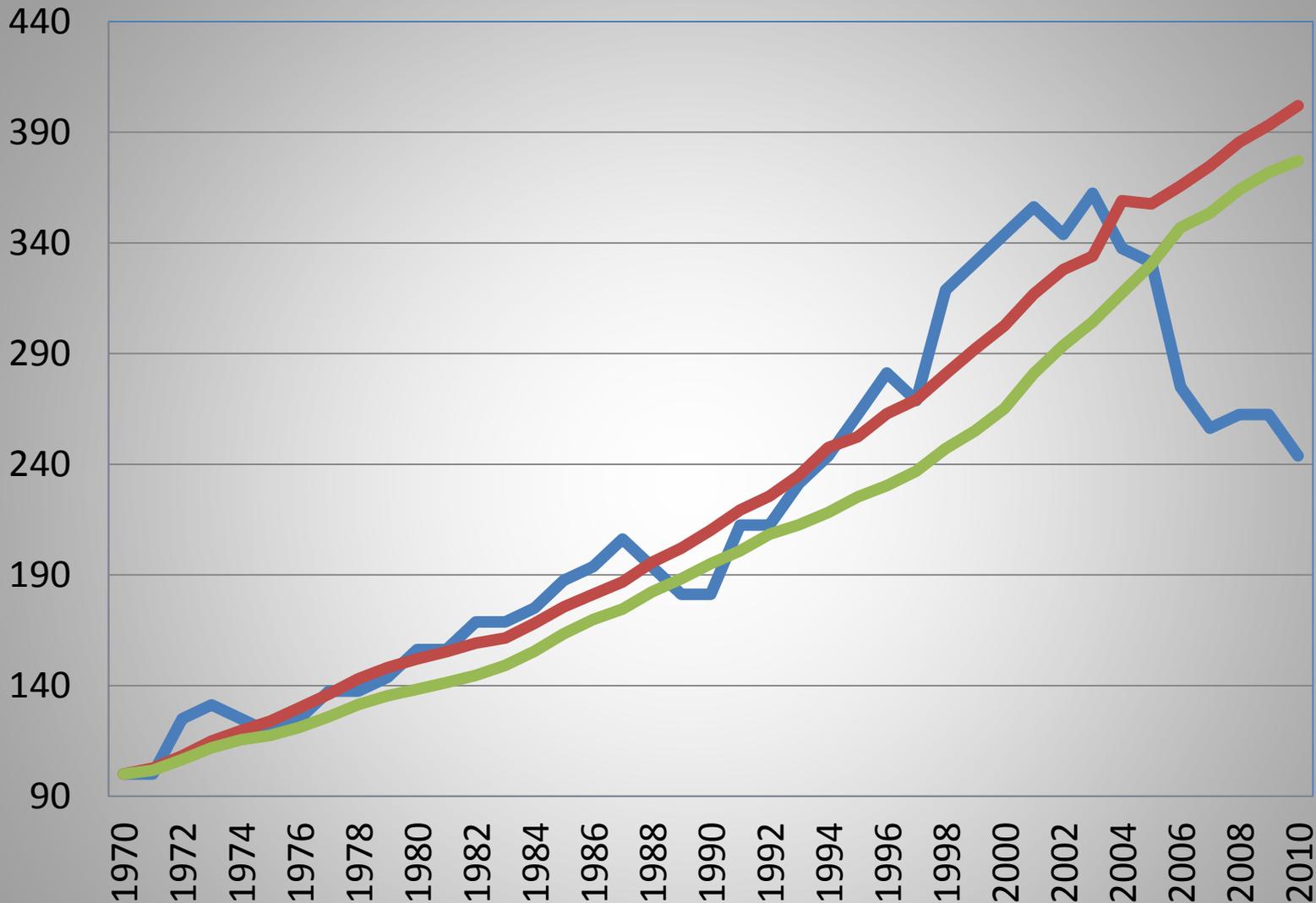
Management of Companies Employment Growth Index



Administrative and Waste Management Employment Growth Index



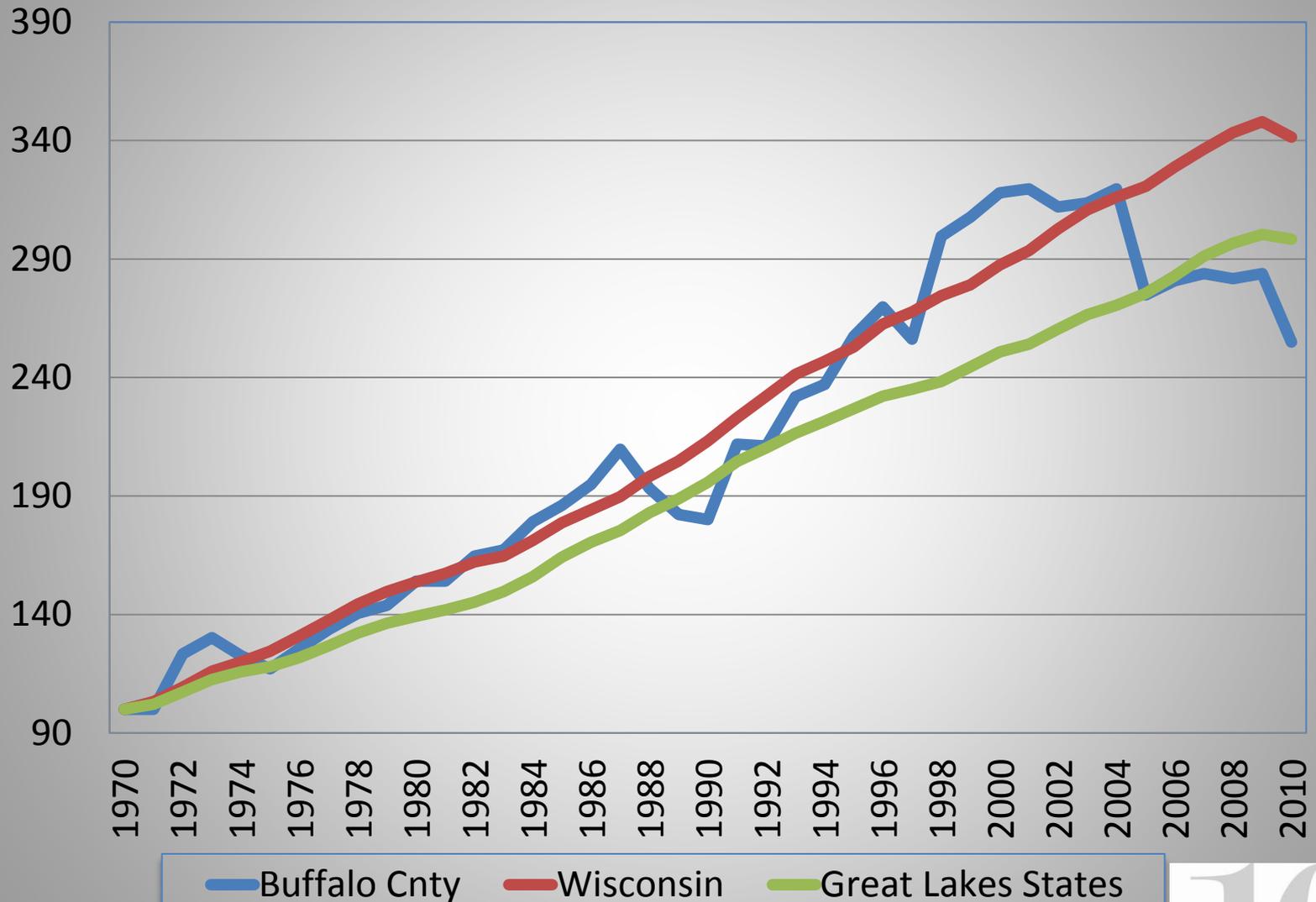
Educational Services Employment Growth Index



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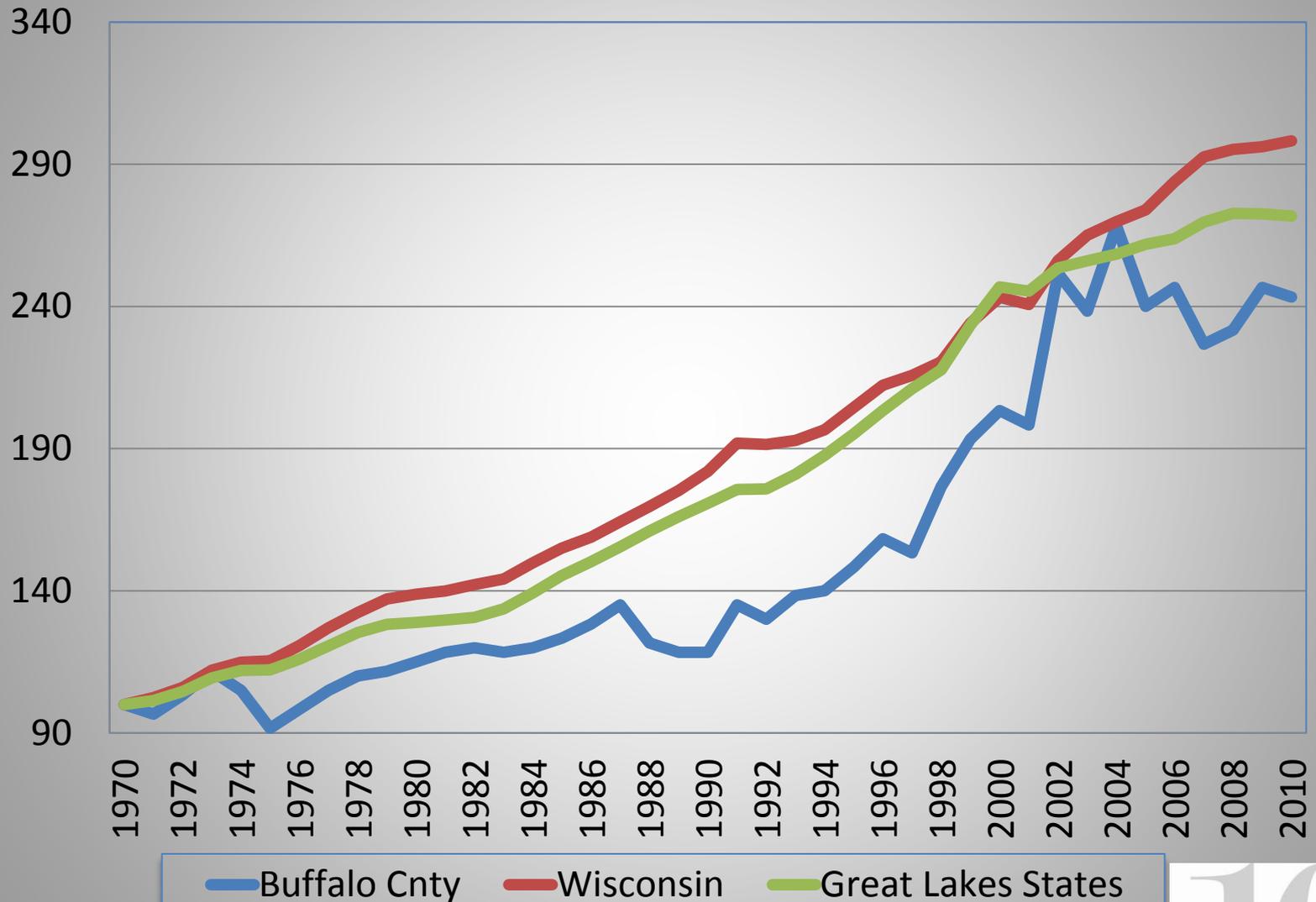
Health Care and Social Services Employment Growth Index



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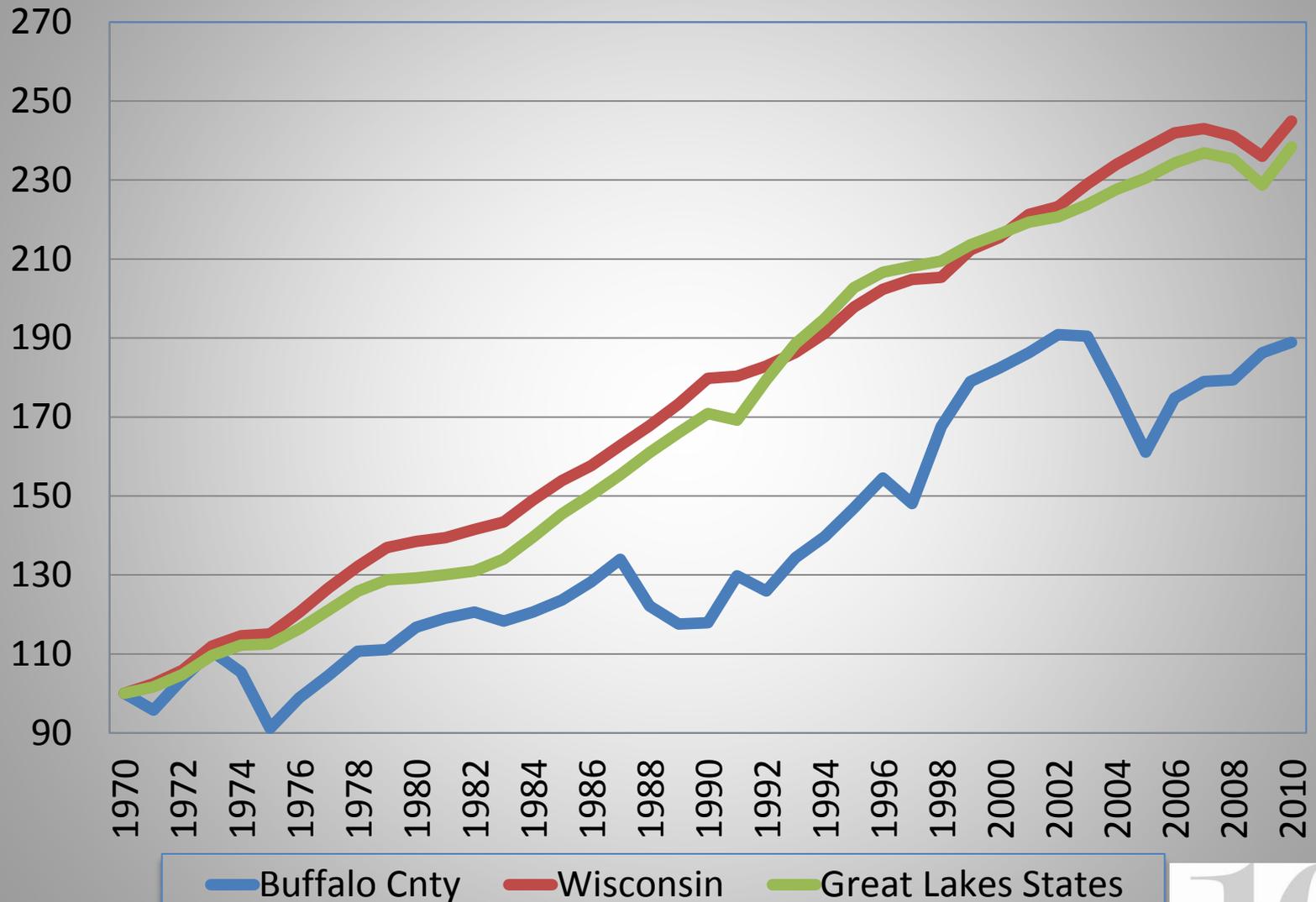
Arts, Entertainment and Recreation Employment Growth Index



— Buffalo Cnty — Wisconsin — Great Lakes States



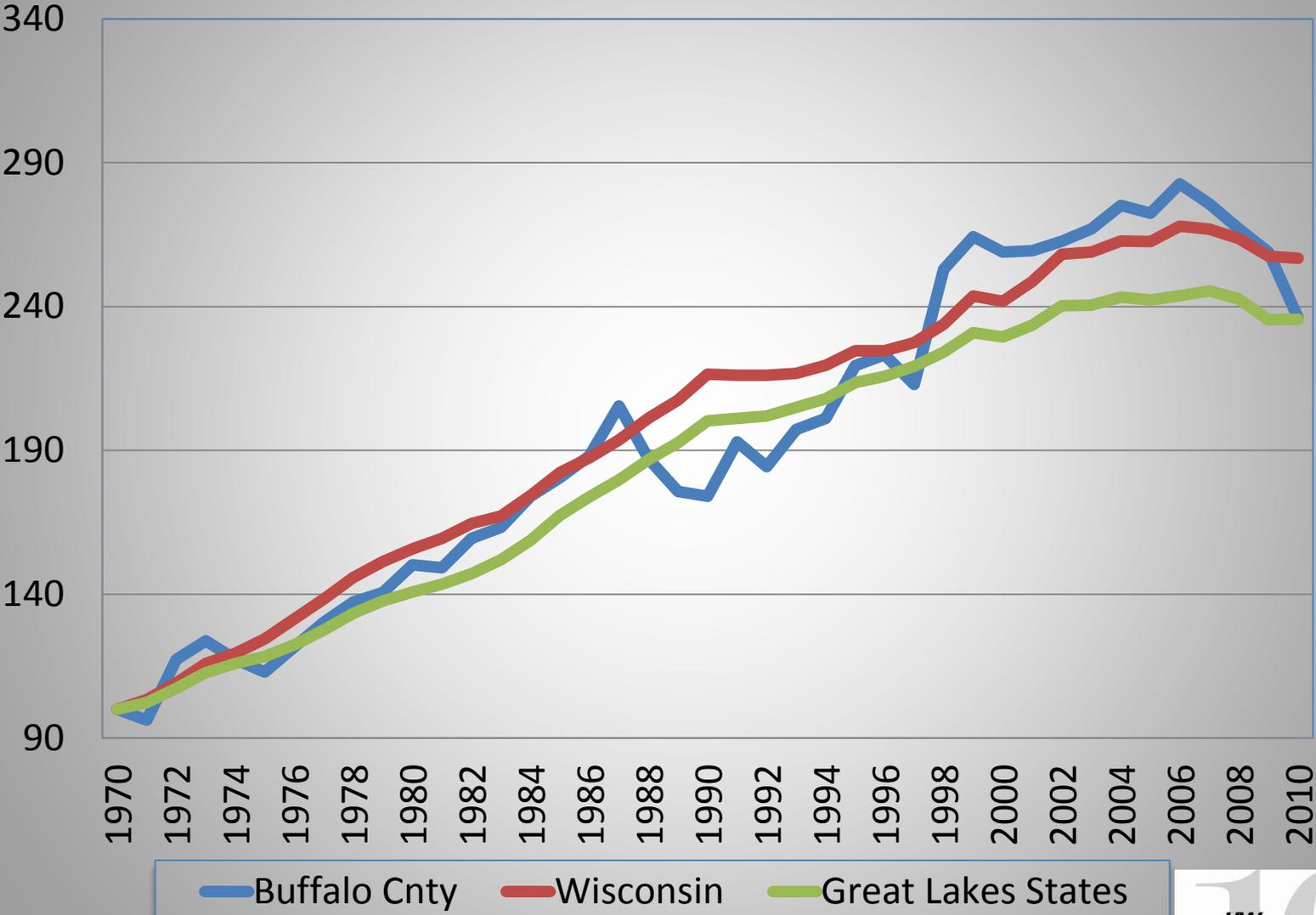
Accommodations and Food Services Employment Growth Index



— Buffalo Cnty — Wisconsin — Great Lakes States



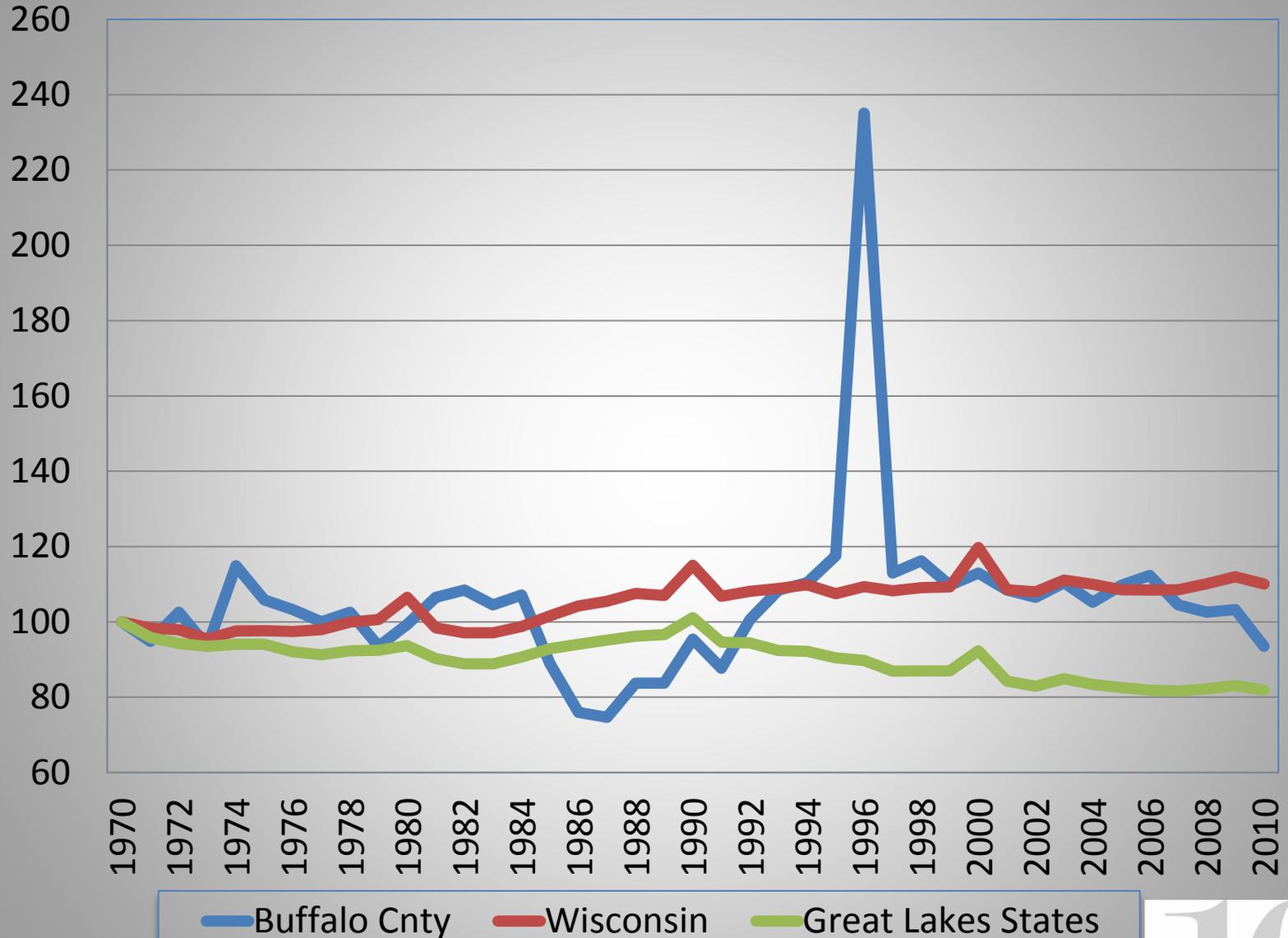
Other Services except Public Administration Employment Growth Index



— Buffalo Cnty — Wisconsin — Great Lakes States



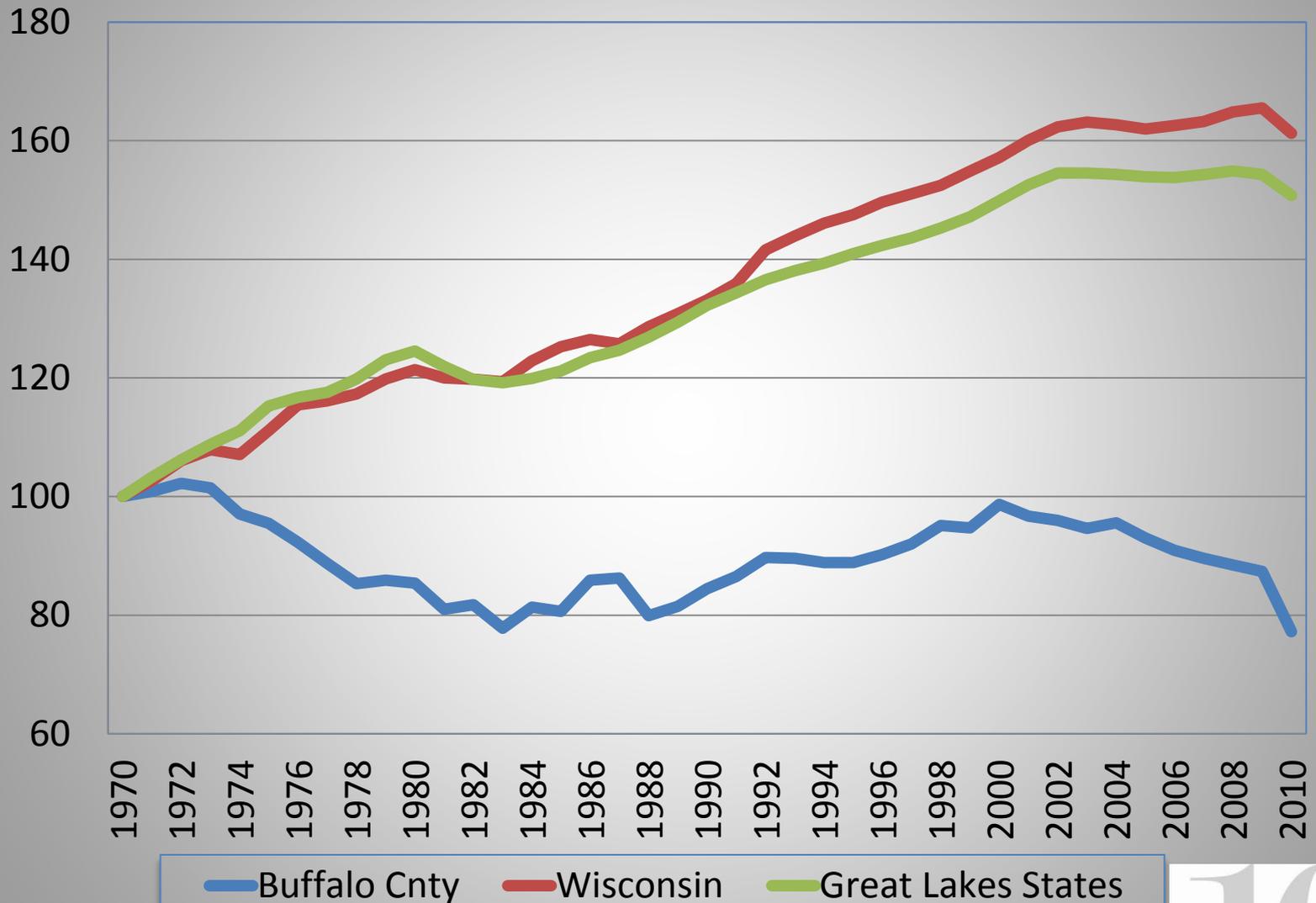
Federal Civilian Employment Growth Index



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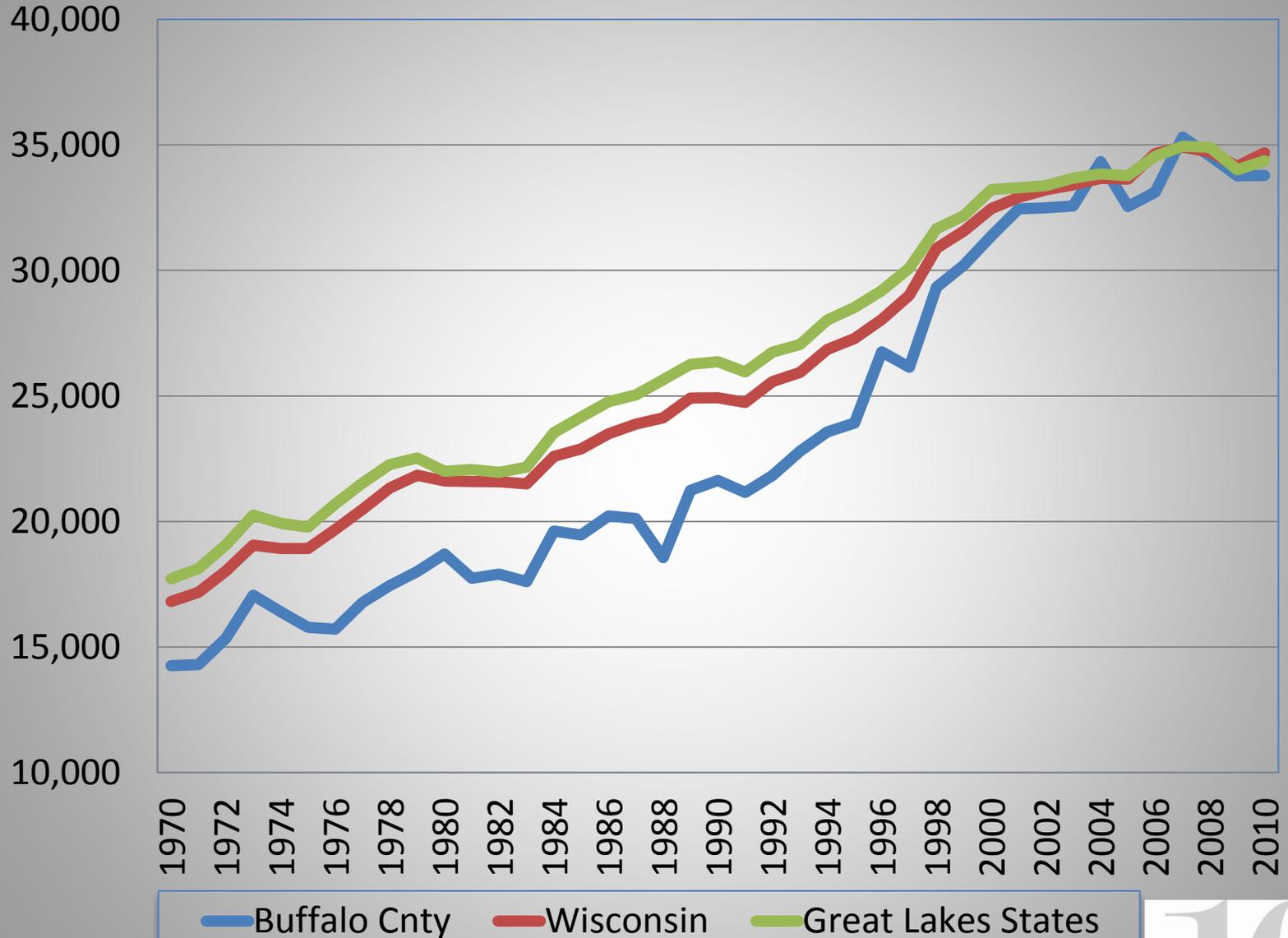
State and Local Government Employment Growth Index



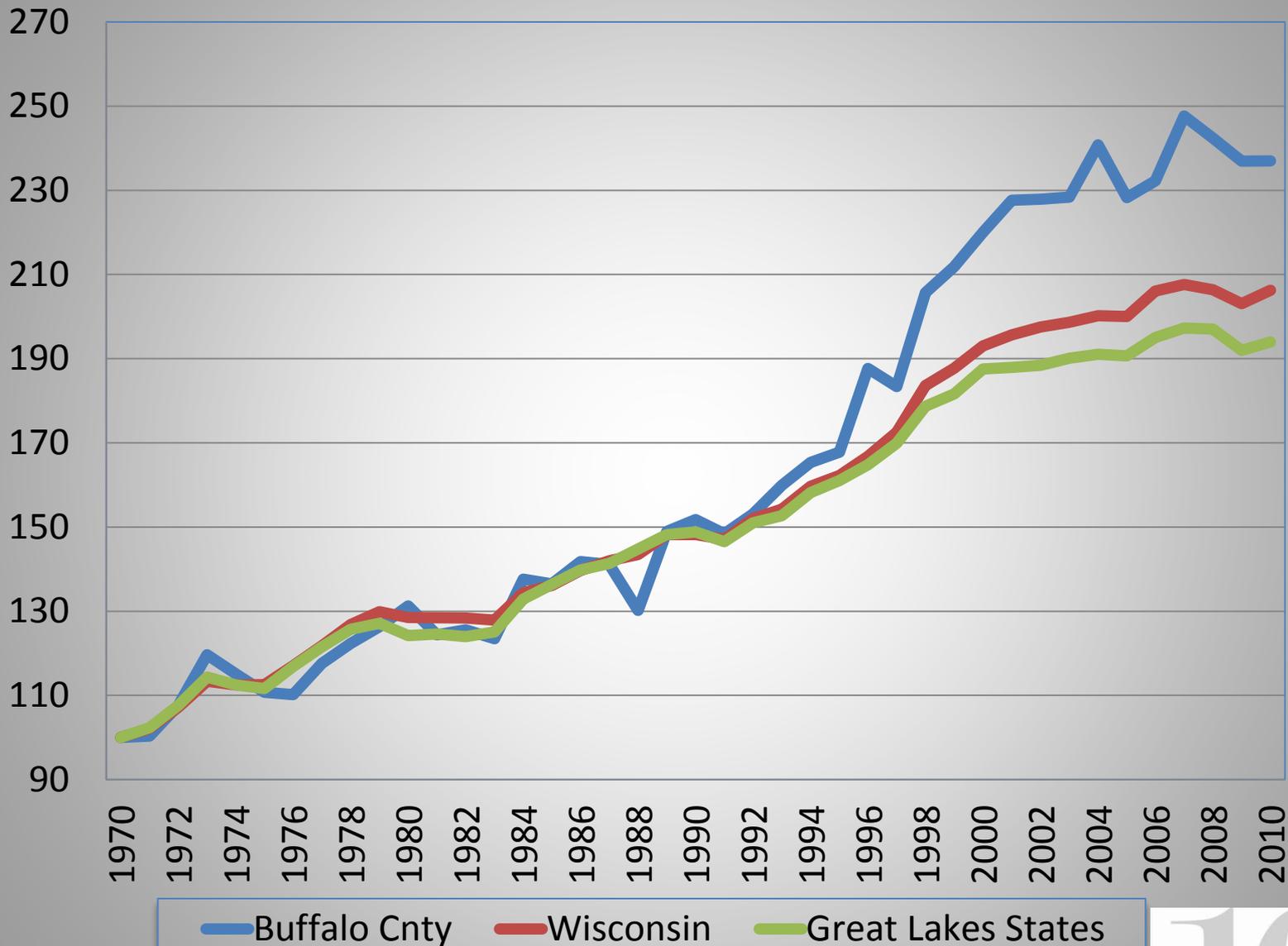
— Buffalo Cnty — Wisconsin — Great Lakes States



Per Capita Income (Real 2005\$)



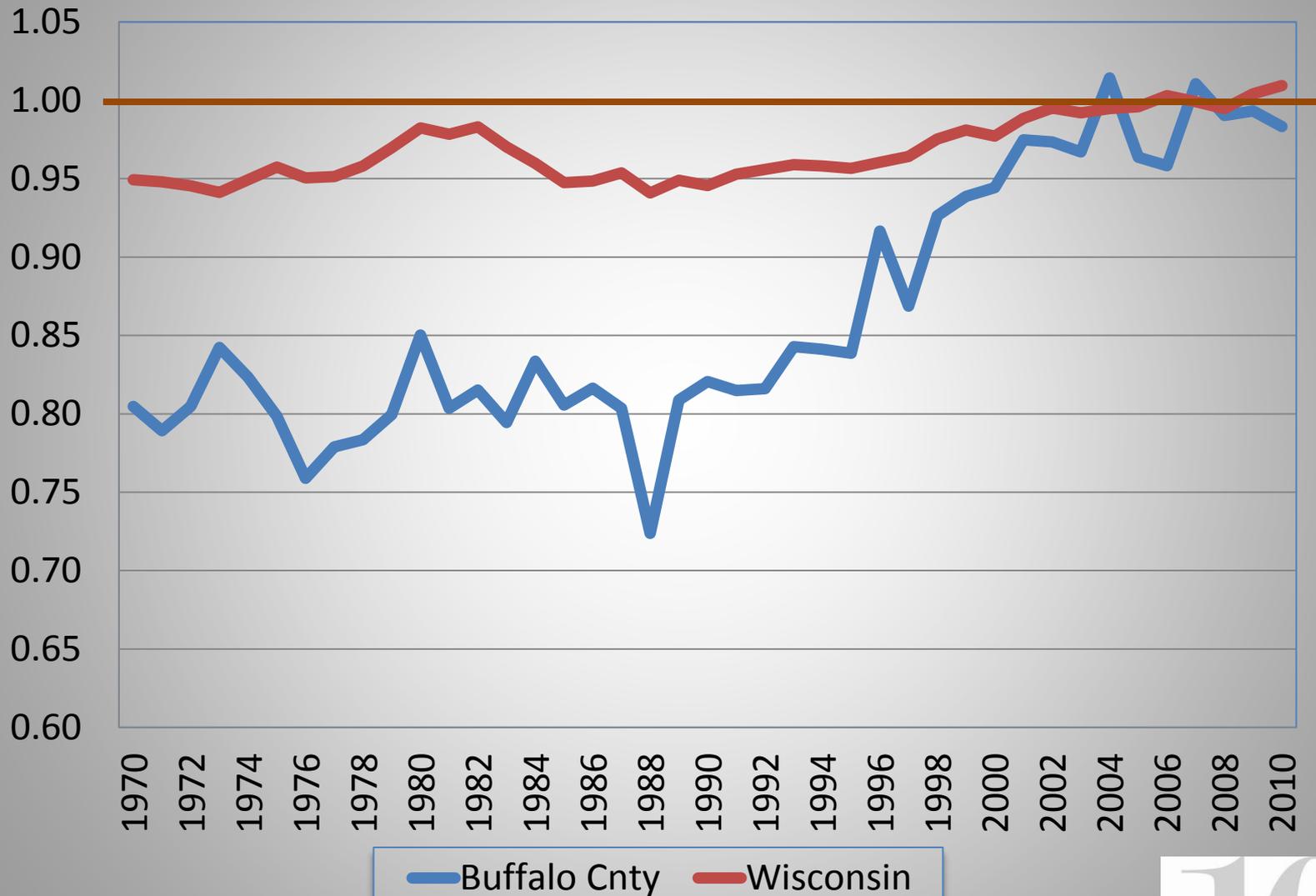
Per Capita Income Growth Index (Real 2005\$)



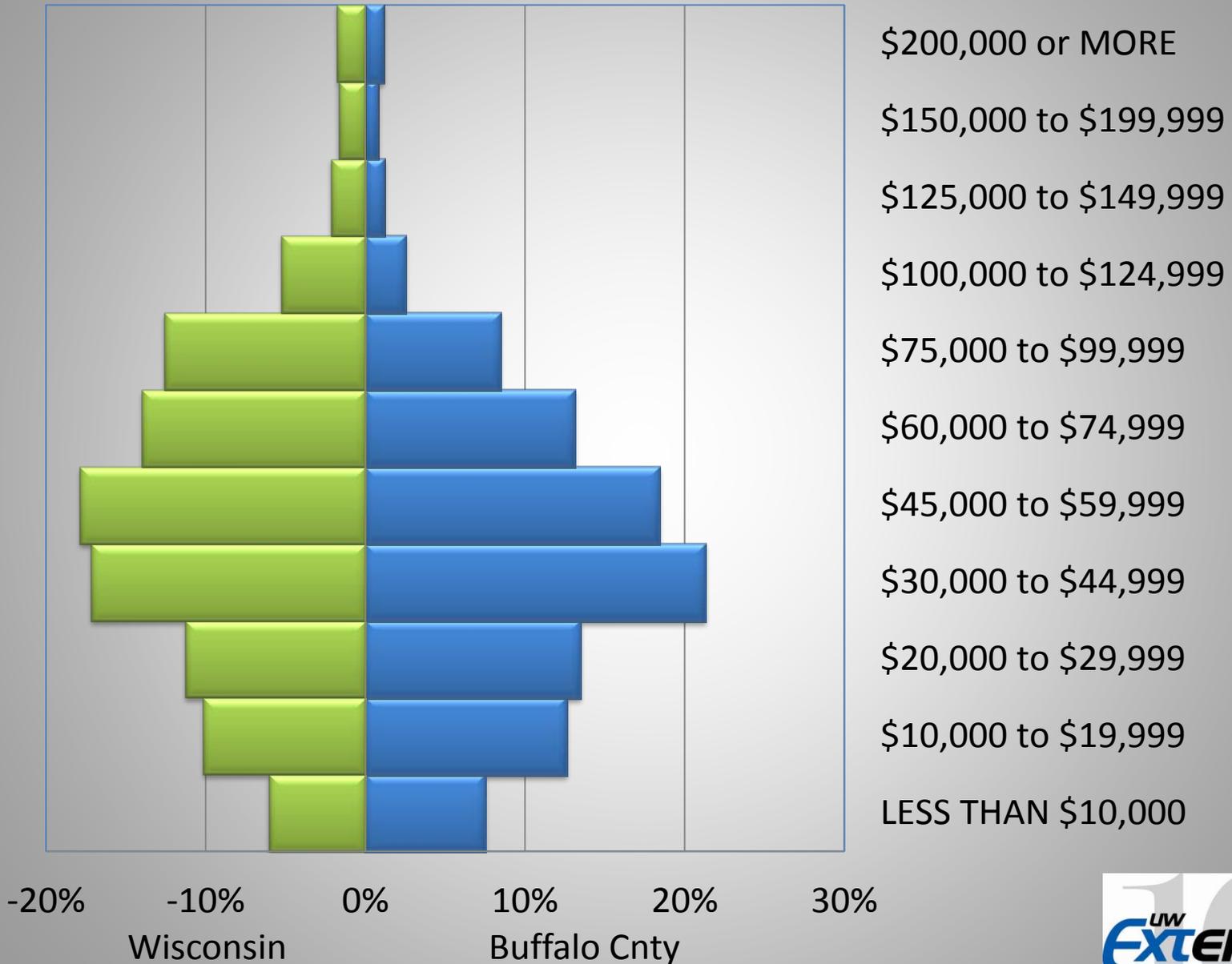
— Buffalo Cnty — Wisconsin — Great Lakes States



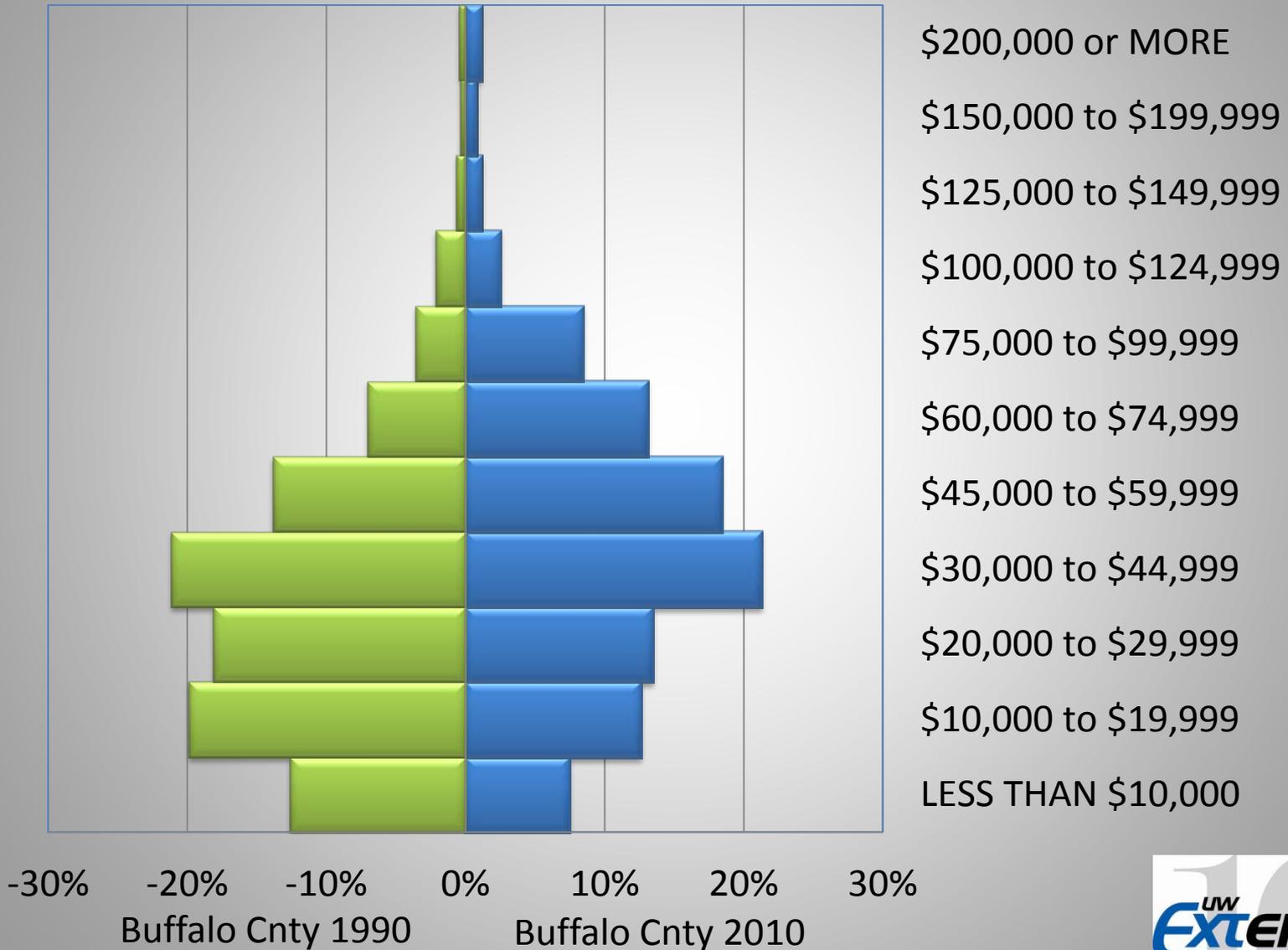
Per Capita Income as a Share of the Great Lakes (Real 2005\$)



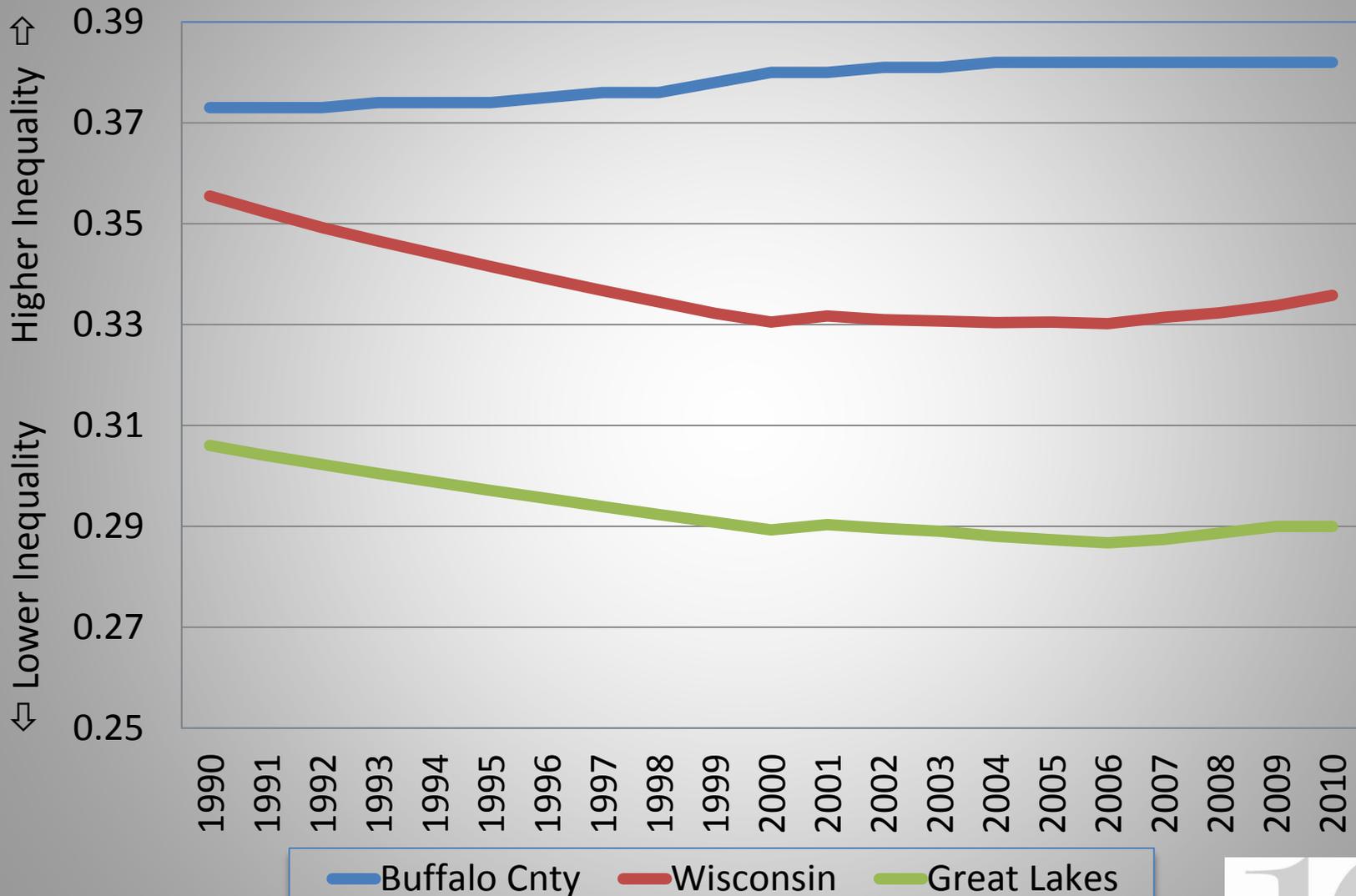
Household Income Distribution 2010



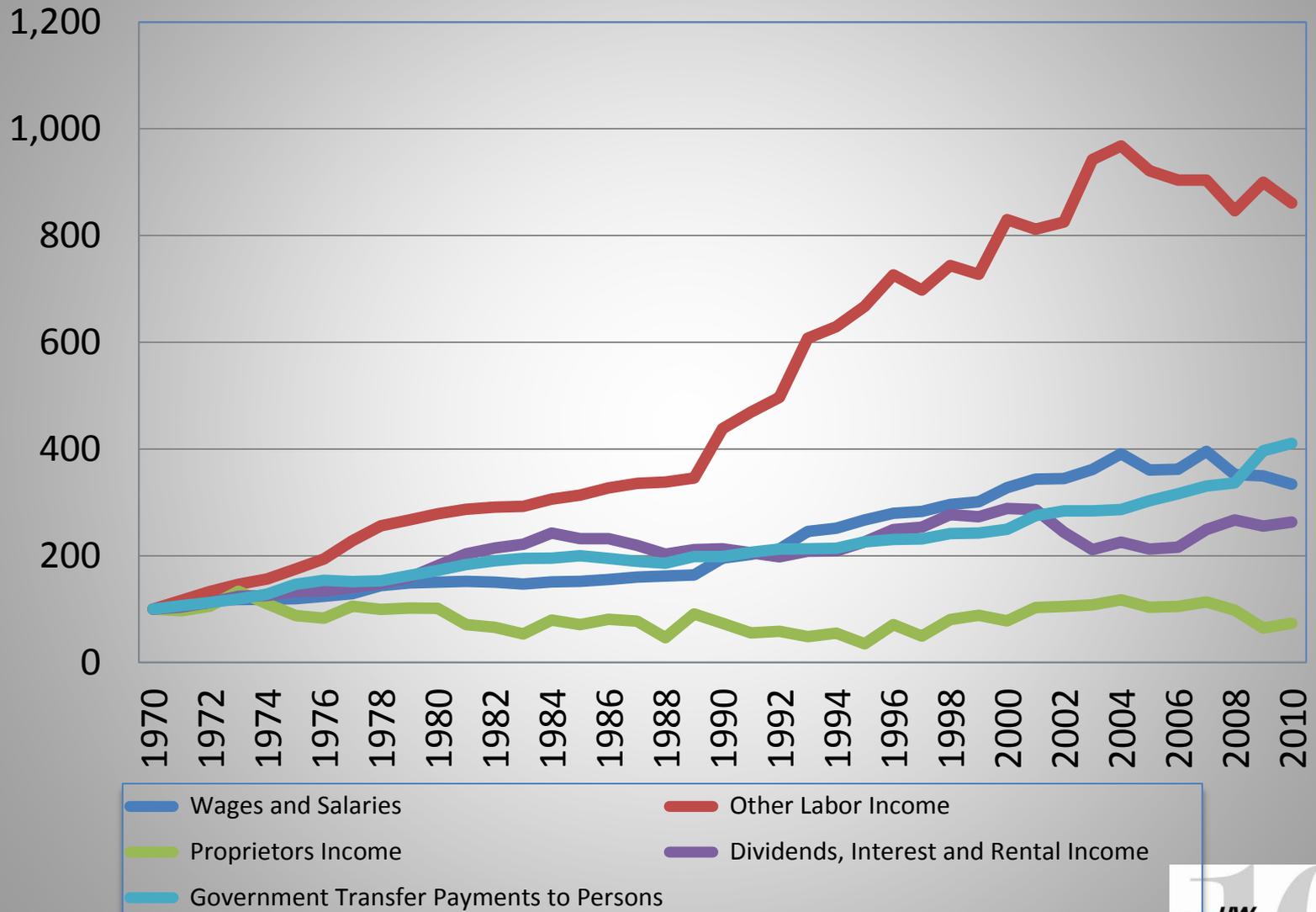
Buffalo Cnty Household Income Distribution 1990 vs. 2010



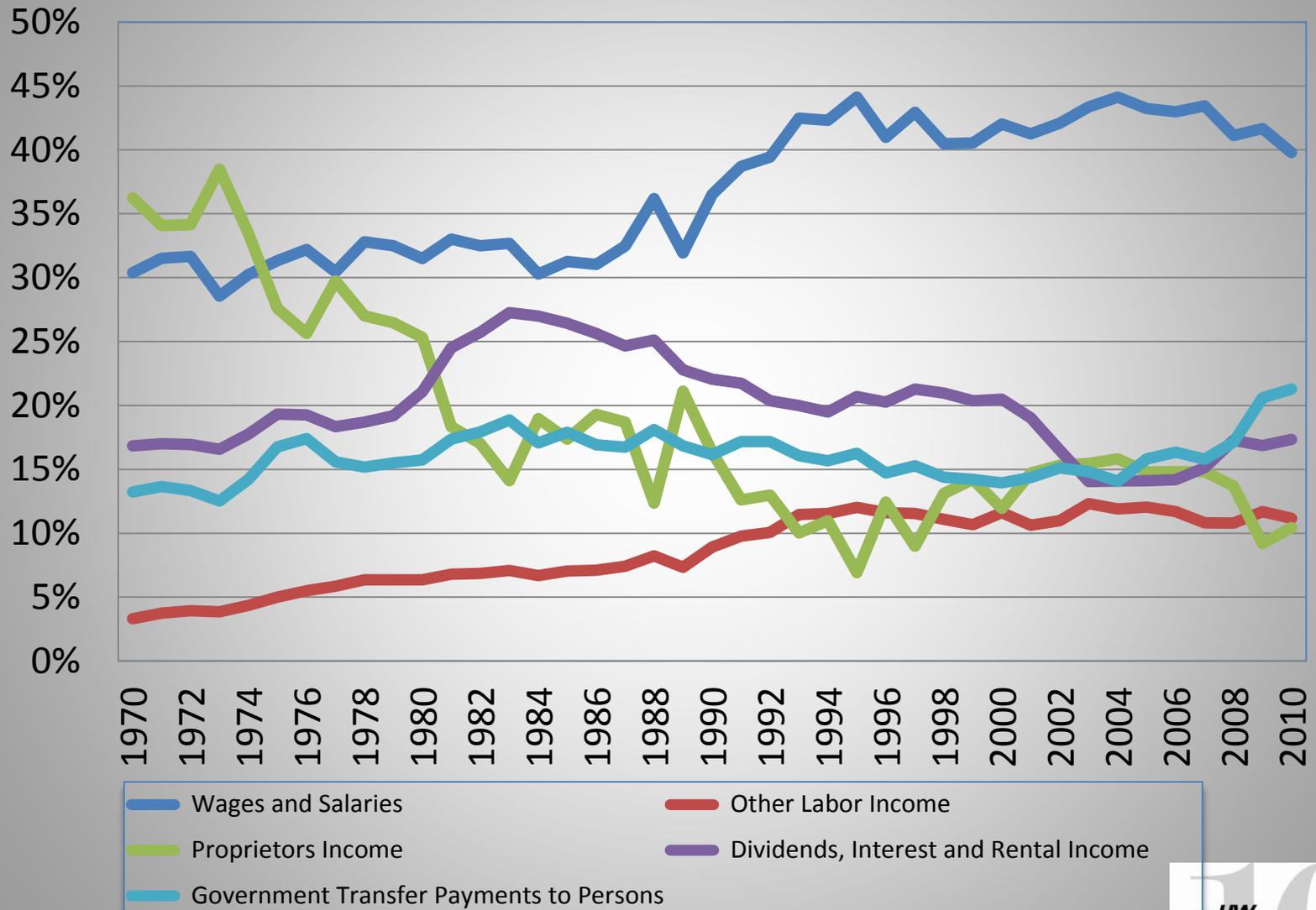
GINI Coefficient of Income Equality (Real 2005\$)



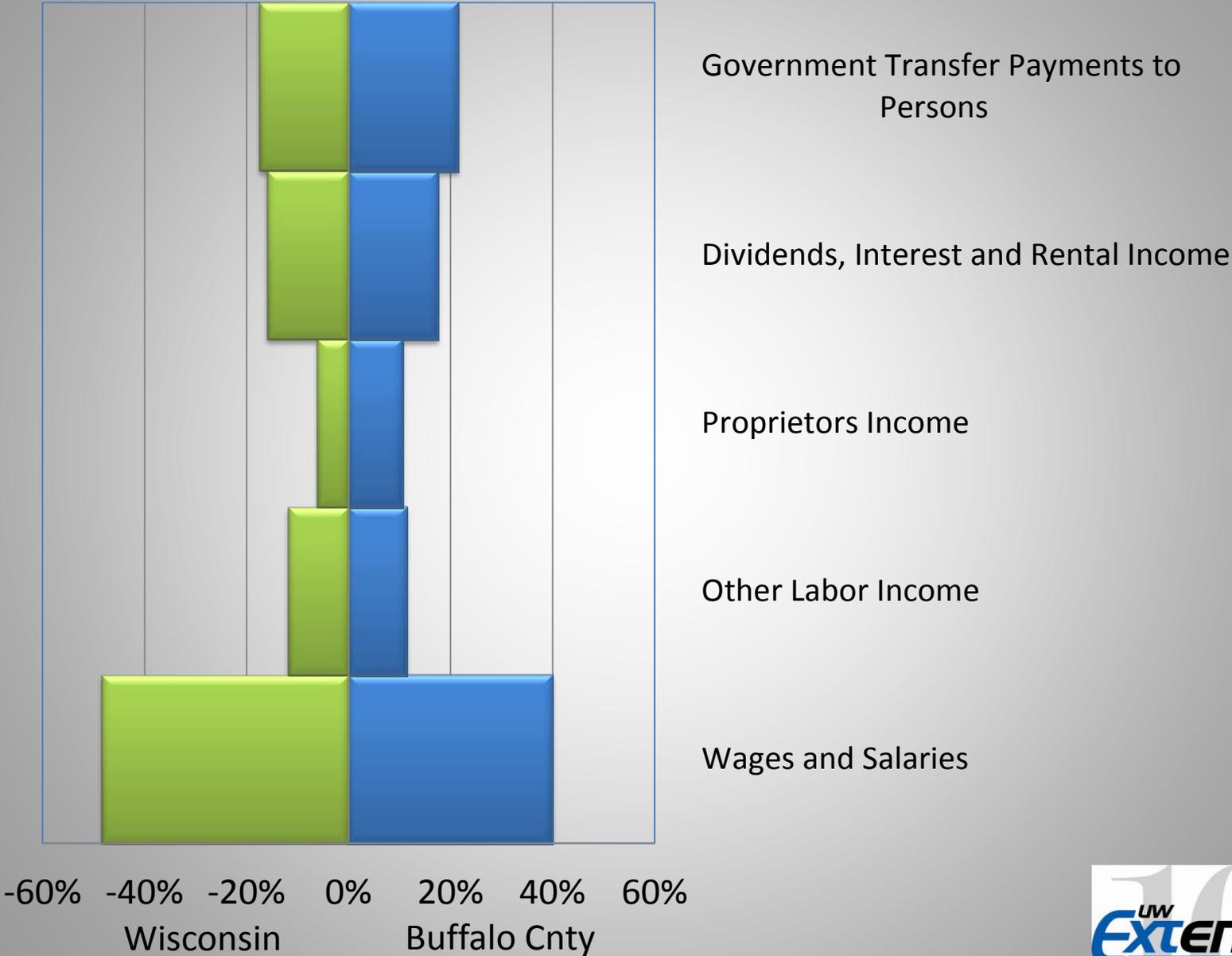
Sources of Income Growth Index for Buffalo County (Real 2005\$)



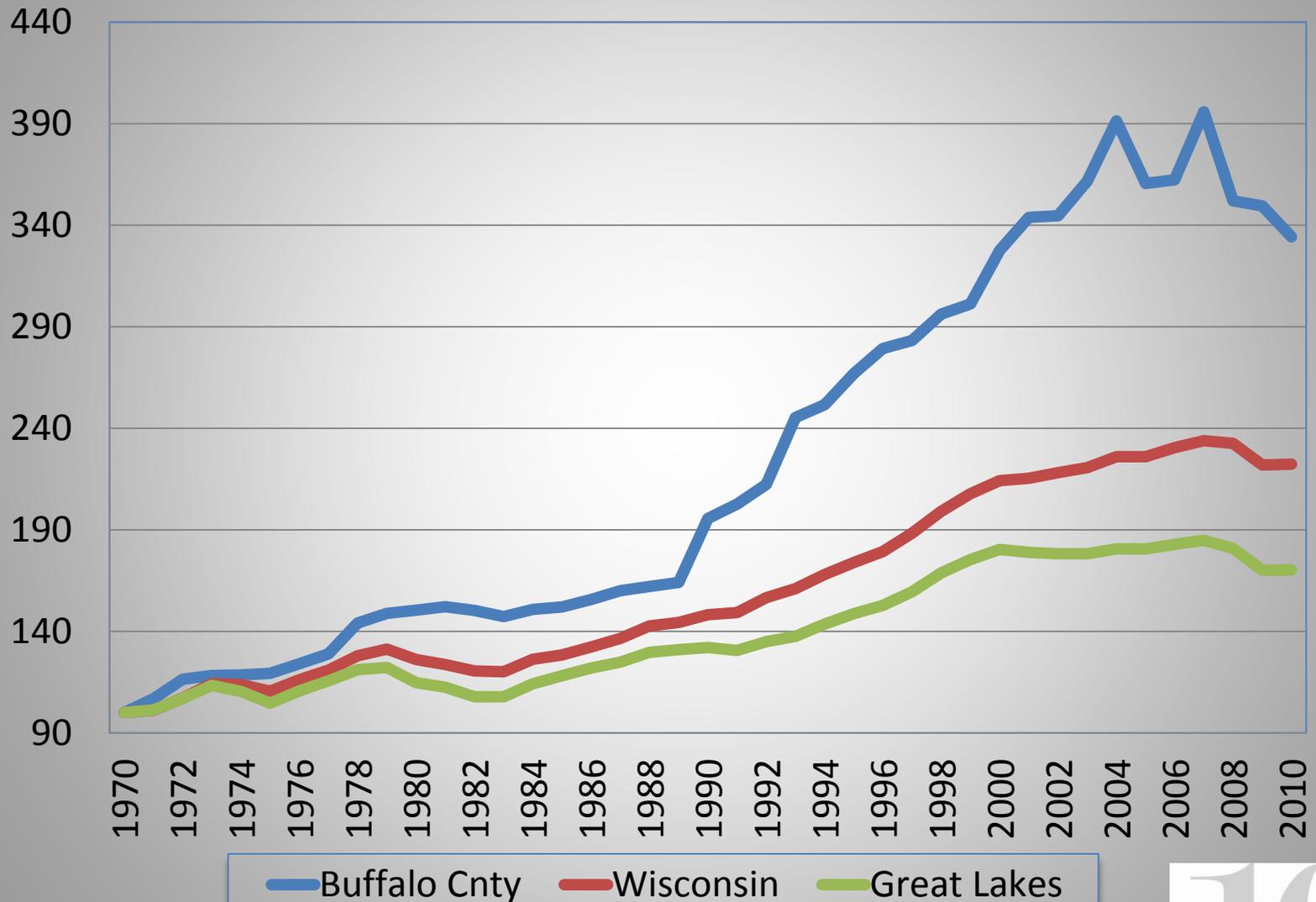
Sources of Income Shares for Buffalo County (Real 2005\$)



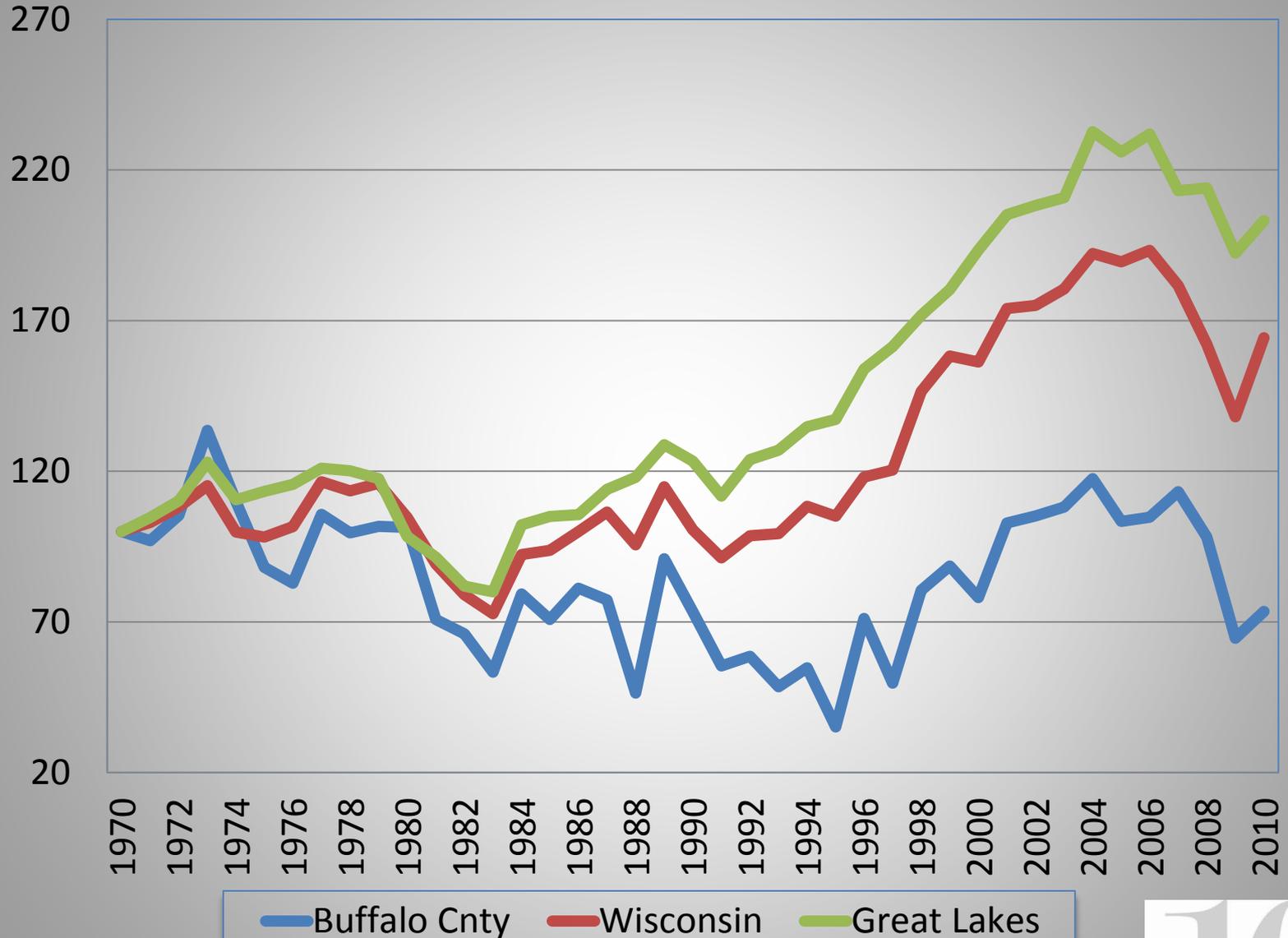
Sources of Income 2010



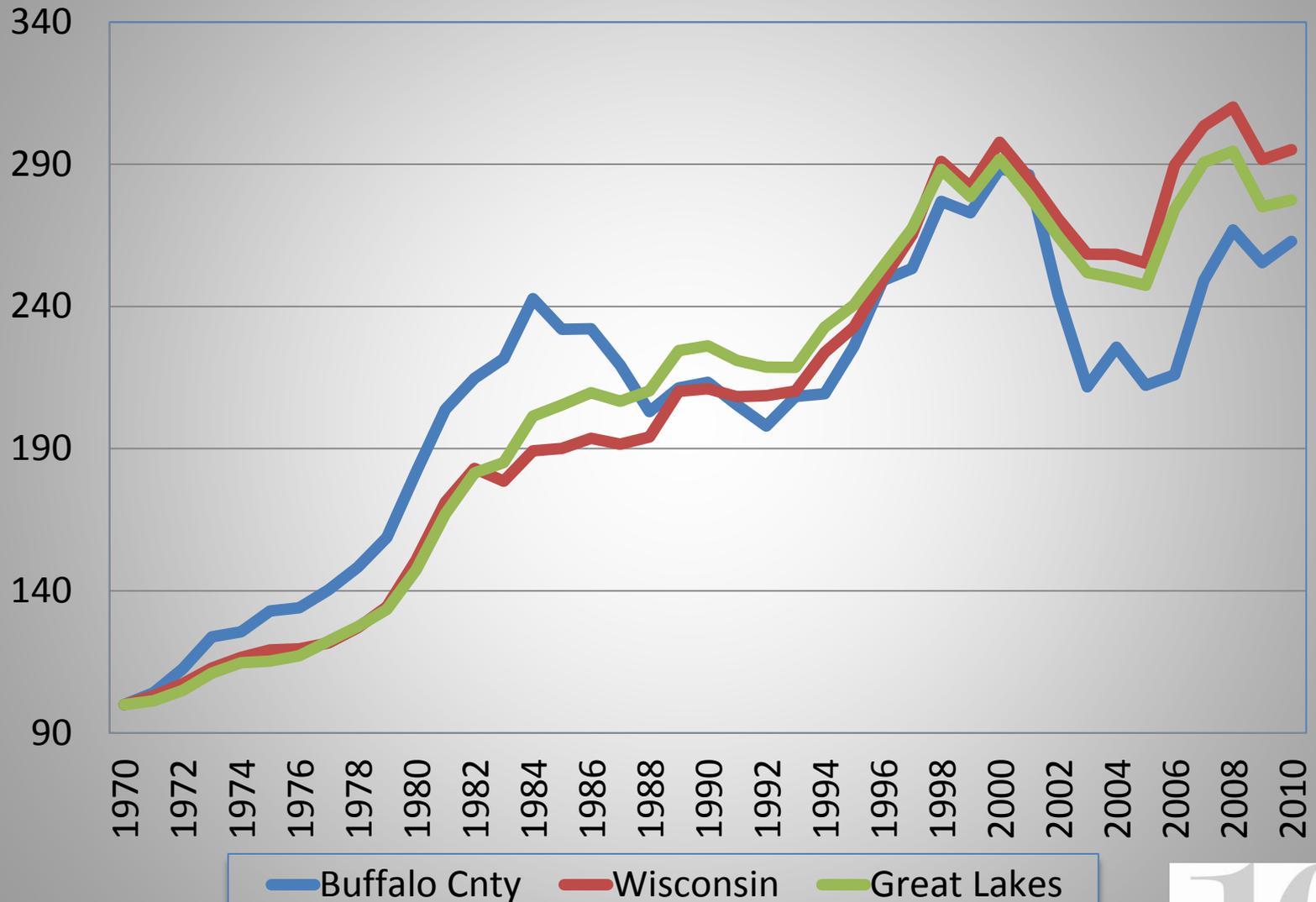
Wage and Labor Income Growth Index (Real 2005\$)



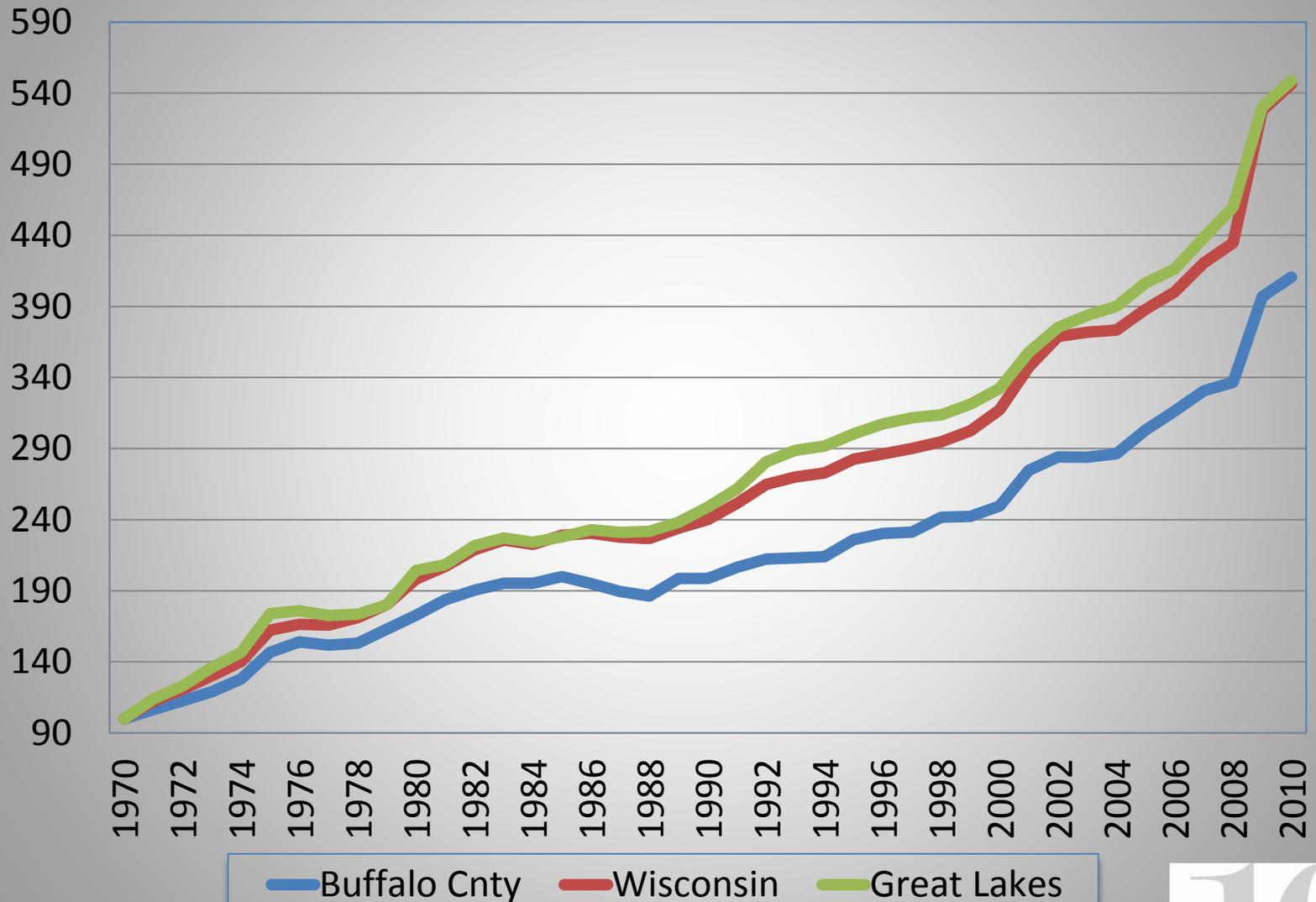
Proprietors Income Growth Index (Real 2005\$)



Dividends, Interest and Rental Income Growth Index (Real 2005\$)



Government Transfer Payments to Persons Growth Index (Real 2005\$)



Wages per Job: 2010

	Buffalo Cnty	Wisconsin	Great Lakes
Total	28,338	41,049	44,459
Farm	5,452	10,713	26,683
Forestry Fishing, Related Activities	13,537	22,141	23,245
Mining	8,474	43,968	67,652
Utilities	78,563	107,205	112,699
Construction	23,178	46,196	45,345
Manufacturing	42,142	59,639	66,136
Wholesale	37,383	59,809	65,167
Retail	15,444	23,743	25,215
Transportation and Warehousing	51,059	46,978	47,893
Information	23,828	58,742	62,254
Finance and Insurance	17,859	48,011	52,058
Real Estate, Rental and Leasing	5,487	12,142	17,625
Professional and Technical Services	12,164	54,142	67,585
Management of Companies	-	89,413	97,466
Administrative and Waste Management	20,939	25,705	28,520
Educational Services	9,923	30,918	30,337
Health Care and Social Services	19,871	46,890	45,378
Arts, Entertainment and Recreation	3,158	18,175	20,368
Accommodations and Food Services	9,485	14,779	17,017
Other Services except Public Administration	27,121	29,231	30,307
Federal Civilian Government	92,160	83,948	95,581
Federal Military	44,600	46,731	58,124
State/Local Government	37,916	47,821	51,251

Adjusted to 2005 dollars.

Wages per Job: Percent Change 1990 to 2010

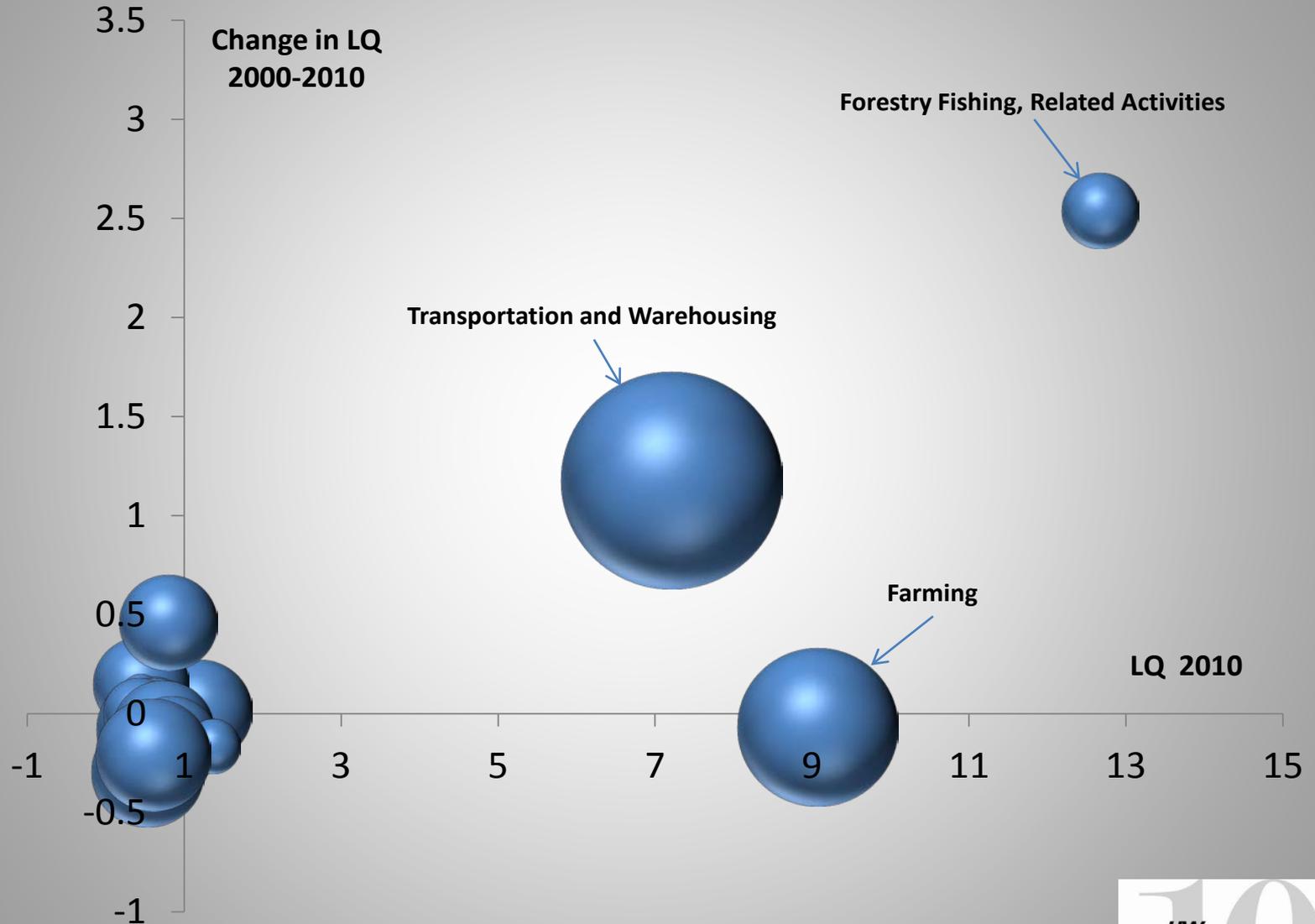
	Buffalo Cnty	Wisconsin	Great Lakes
Total	6.7%	27.3%	20.7%
Farm	-76.1%	-36.5%	60.8%
Forestry Fishing, Related Activities	-30.3%	7.6%	10.6%
Mining	-52.5%	2.9%	19.8%
Utilities	64.6%	73.1%	64.6%
Construction	-6.3%	12.2%	2.6%
Manufacturing	-5.9%	31.7%	29.3%
Wholesale	21.6%	31.0%	27.7%
Retail	-14.7%	17.6%	11.2%
Transportation and Warehousing	23.1%	16.4%	6.1%
Information	56.0%	60.9%	35.8%
Finance and Insurance	-35.7%	35.3%	26.3%
Real Estate, Rental and Leasing	-21.5%	46.7%	112.7%
Professional and Technical Services	-46.1%	39.5%	28.5%
Management of Companies	n.a.	51.5%	39.8%
Administrative and Waste Management	90.4%	30.3%	26.8%
Educational Services	-5.3%	37.8%	27.3%
Health Care and Social Services	-1.7%	43.2%	26.7%
Arts, Entertainment and Recreation	-32.3%	21.4%	25.6%
Accommodations and Food Services	3.7%	33.1%	30.3%
Other Services except Public Administration	19.3%	26.5%	14.3%
Federal Civilian Government	104.5%	52.5%	60.6%
Federal Military	222.8%	192.9%	121.0%
State/Local Government	22.6%	24.9%	30.5%

Adjusted to 2005 dollars.

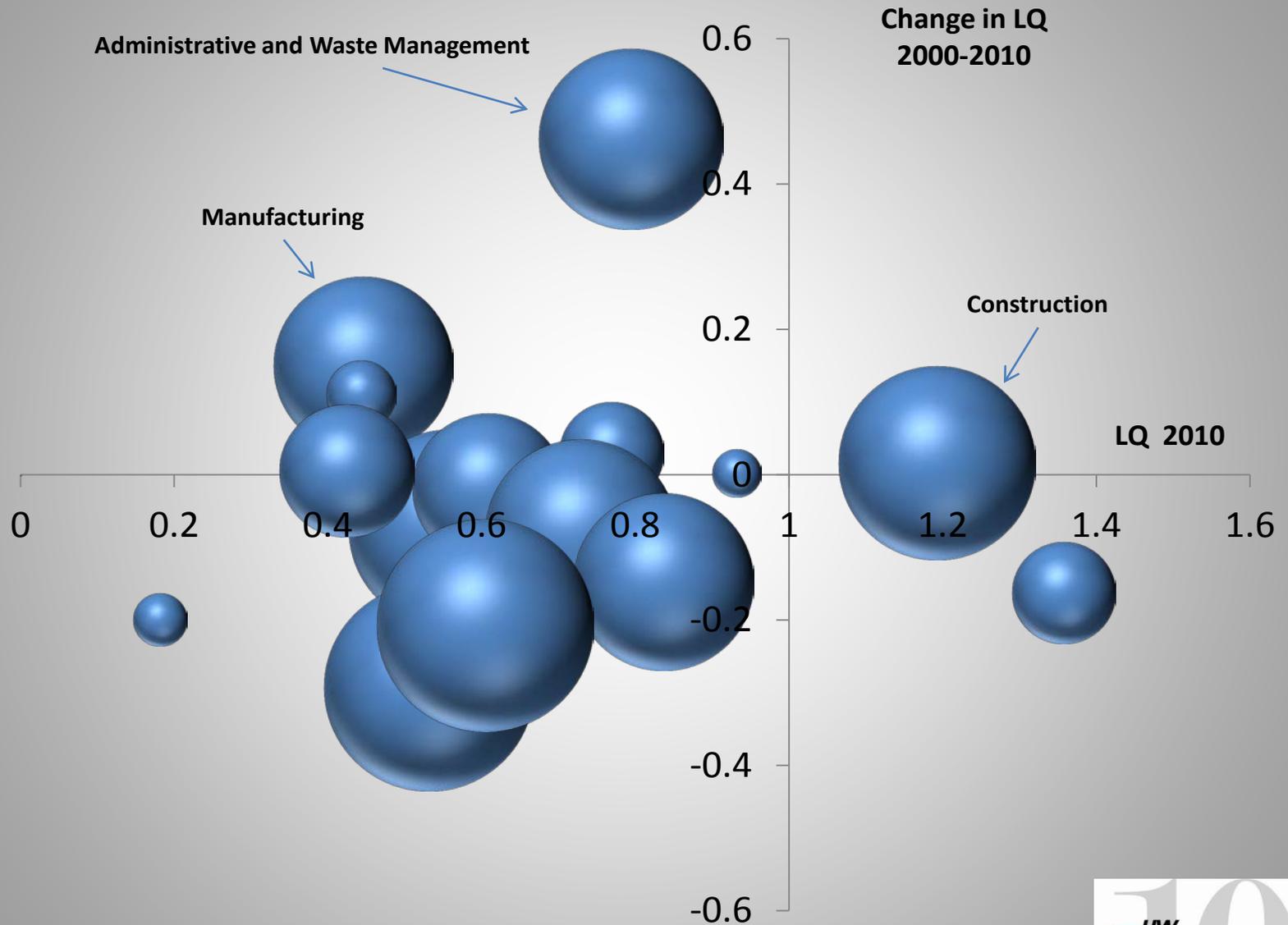
Simply Cluster Identification Method



Buffalo County



Buffalo County



Buffalo Cnty Simple Cluster Analysis

	LQ	Change LQ	Share
Farm	9.071	-0.067	13.0%
Forestry Fishing, Related Activities	12.665	2.542	3.0%
Mining	0.491	0.048	0.2%
Utilities	0.931	0.003	0.3%
Construction	1.192	0.017	5.5%
Manufacturing	0.446	0.151	4.6%
Wholesale	0.687	-0.097	2.6%
Retail	0.558	-0.074	5.8%
Transportation and Warehousing	7.205	1.182	24.6%
Information	0.443	0.111	0.7%
Finance and Insurance	0.608	-0.018	3.3%
Real Estate, Rental and Leasing	0.744	-0.072	2.8%
Professional and Technical Services	0.424	0.006	2.6%
Management of Companies	0.000	0.000	0.0%
Administrative and Waste Management	0.794	0.463	4.8%
Educational Services	0.182	-0.199	0.4%
Health Care and Social Services	0.531	-0.292	6.3%
Arts, Entertainment and Recreation	0.768	0.030	1.5%
Accommodations and Food Services	0.729	-0.081	5.2%
Other Services except Public Administration	0.836	-0.147	4.6%
Federal Civilian Government	1.357	-0.162	1.5%
Federal Military	0.669	-0.152	0.4%
State/Local Government	0.604	-0.207	6.6%

Buffalo County: Top 25 Industries Based on the Location Quotient

	LQ	Jobs	Output Multipliers
Breakfast cereal manufacturing	445.4864	46	1.140
Other animal food manufacturing	39.7511	142	1.306
Transport by truck	11.2590	1,236	1.396
Cattle ranching and farming	10.1939	167	1.733
Office administrative services	9.8708	140	1.609
Poultry and egg production	9.1799	15	1.575
Management, scientific, and technical consulting services	7.8959	312	1.507
Other Federal Government enterprises	7.6189	16	1.310
All other crop farming	7.1123	34	1.292
Grain farming	6.9211	452	1.268
Dairy cattle and milk production	6.6029	503	1.451
Cable and other subscription programming	6.5428	18	1.790
Video tape and disc rental	6.3635	42	1.276
Sawmills and wood preservation	6.3024	33	1.556
Oilseed farming	6.2176	137	1.213
General and consumer goods rental except video tapes and discs	5.3601	56	1.409
Electric power generation, transmission, and distribution	4.6340	105	1.125
Automotive repair and maintenance, except car washes	4.2393	229	1.330
Car washes	4.0173	29	1.439
Personal and household goods repair and maintenance	3.9686	22	1.349
Promoters of performing arts and sports and agents for public figures	3.6717	119	1.691
Community food, housing, and other relief services, including rehabilitation services	3.3177	198	1.487
Other computer related services, including facilities management	3.1020	16	1.236
Grantmaking, giving, and social advocacy organizations	2.5837	92	1.603
Stationery product manufacturing	2.5135	4	1.294

Buffalo County: Top 25 Industries Based on Employment

	Employment	Industry Sales per Job	Labor Income per Job	Output Multipliers
Transport by truck	1,236	118,515	51,544	1.396
Dairy cattle and milk production	503	125,253	6,260	1.451
Grain farming	452	44,479	1,343	1.268
Food services and drinking places	448	41,473	10,651	1.311
* Employment and payroll only (state & local govt, education)	384	44,210	38,543	1.361
Management, scientific, and technical consulting services	312	72,668	35,366	1.507
* Employment and payroll only (state & local govt, non-education)	288	47,341	41,605	1.364
Wholesale trade businesses	231	131,964	49,140	1.282
Employment services	229	22,292	14,522	1.427
Automotive repair and maintenance, except car washes	229	75,768	35,795	1.330
Retail Nonstores - Direct and electronic sales	211	44,725	6,489	1.360
Nursing and residential care facilities	210	46,108	24,835	1.404
Community food, housing, and other relief services, including rehabilitation	198	27,528	12,061	1.487
Construction of other new nonresidential structures	195	108,648	24,251	1.272
Nondepository credit intermediation and related activities	177	90,781	31,445	1.686
Cattle ranching and farming	167	112,957	7,617	1.733
Other animal food manufacturing	142	1,186,296	42,144	1.306
Office administrative services	140	75,206	37,044	1.609
Oilseed farming	137	70,976	504	1.213
Real estate establishments	137	78,981	2,583	1.095
Promoters of performing arts and sports and agents for public figures	119	26,117	2,010	1.691
Retail Stores - Miscellaneous	117	31,908	10,223	1.384
Electric power generation, transmission, and distribution	105	555,839	112,783	1.125
Construction of new nonresidential commercial and health care structures	101	101,278	21,902	1.241
Securities, commodity contracts, investments, and related activities	100	115,576	8	1.752

Buffalo County: Top 25 Industries Based on Industry Sales

	Industry Sales	Industry Sales per Job	Labor Income per Job	Output Multipliers
Other animal food manufacturing	168,394,577.03	1,186,296	42,144	1.306
Transport by truck	146,529,205.32	118,515	51,544	1.396
Dairy cattle and milk production	63,020,378.11	125,253	6,260	1.451
Electric power generation, transmission, and distribution	58,475,833.89	555,839	112,783	1.125
Cheese manufacturing	45,487,064.36	748,105	38,329	1.824
Breakfast cereal manufacturing	31,609,767.91	690,825	49,701	1.140
Wholesale trade businesses	30,533,130.65	131,964	49,140	1.282
Monetary authorities and depository credit intermediation activities	27,329,492.57	285,433	30,254	1.638
Management, scientific, and technical consulting services	22,688,915.25	72,668	35,366	1.507
Construction of other new nonresidential structures	21,196,632.39	108,648	24,251	1.272
Grain farming	20,113,233.57	44,479	1,343	1.268
Cattle ranching and farming	18,809,806.82	112,957	7,617	1.733
Food services and drinking places	18,597,087.86	41,473	10,651	1.311
Automotive repair and maintenance, except car washes	17,351,869.58	75,768	35,795	1.330
* Employment and payroll only (state & local govt, education)	16,968,070.98	44,210	38,543	1.361
Nondepository credit intermediation and related activities	16,090,360.64	90,781	31,445	1.686
* Employment and payroll only (state & local govt, non-education)	13,632,200.24	47,341	41,605	1.364
Securities, commodity contracts, investments, and related activities	11,532,407.76	115,576	8	1.752
Real estate establishments	10,817,290.31	78,981	2,583	1.095
Construction of other new residential structures	10,564,390.18	129,456	33,034	1.304
Office administrative services	10,492,002.49	75,206	37,044	1.609
Construction of new nonresidential commercial and health care structures	10,194,765.09	101,278	21,902	1.241
Oilseed farming	9,753,159.52	70,976	504	1.213
Nursing and residential care facilities	9,689,157.49	46,108	24,835	1.404
Retail Nonstores - Direct and electronic sales	9,415,239.33	44,725	6,489	1.360

Buffalo County: Top 25 Industries Based on Labor Income

	Labor Income	Industry Sales per Job	Labor Income per Job	Output Multipliers
Transport by truck	63,727,680	118,515	51,544	1.396
* Employment and payroll only (state & local govt, education)	14,792,808	44,210	38,543	1.361
* Employment and payroll only (state & local govt, non-education)	11,980,590	47,341	41,605	1.364
Electric power generation, transmission, and distribution	11,865,079	555,839	112,783	1.125
Wholesale trade businesses	11,369,739	131,964	49,140	1.282
Management, scientific, and technical consulting services	11,042,255	72,668	35,366	1.507
Automotive repair and maintenance, except car washes	8,197,530	75,768	35,795	1.330
Other animal food manufacturing	5,982,374	1,186,296	42,144	1.306
Nondepository credit intermediation and related activities	5,573,499	90,781	31,445	1.686
Nursing and residential care facilities	5,218,967	46,108	24,835	1.404
Office administrative services	5,168,096	75,206	37,044	1.609
Food services and drinking places	4,776,020	41,473	10,651	1.311
Construction of other new nonresidential structures	4,731,301	108,648	24,251	1.272
Offices of physicians, dentists, and other health practitioners	4,515,159	93,515	47,790	1.423
Employment services	3,326,752	22,292	14,522	1.427
Dairy cattle and milk production	3,149,719	125,253	6,260	1.451
Monetary authorities and depository credit intermediation activities	2,896,766	285,433	30,254	1.638
Grantmaking, giving, and social advocacy organizations	2,771,077	80,981	30,281	1.603
Construction of other new residential structures	2,695,806	129,456	33,034	1.304
Retail Stores - Food and beverage	2,492,698	49,082	26,098	1.373
Community food, housing, and other relief services, including rehabilitation	2,388,425	27,528	12,061	1.487
Cheese manufacturing	2,330,540	748,105	38,329	1.824
Breakfast cereal manufacturing	2,274,137	690,825	49,701	1.140
Construction of new nonresidential commercial and health care structures	2,204,624	101,278	21,902	1.241
* Employment and payroll only (federal govt, non-military)	2,197,013	82,359	73,854	1.372

Buffalo County: Top 25 Industries Based on Exports

	Total Exports
Other animal food	127,972,371
Truck transportation services	118,127,945
Dairy cattle and milk products	43,965,635
Electricity, and distribution services	41,723,343
Cheese	39,905,824
Breakfast cereal products	25,902,686
Grains	19,463,691
Management, scientific, and technical consulting services	17,112,667
Cattle from ranches and farms	12,564,179
Automotive repair and maintenance services, except car washes	12,431,095
Oilseeds	11,010,050
Wholesale trade distribution services	8,728,775
Poultry and egg products	7,912,675
Office administrative services	7,579,694
Rest of the world adjustment	7,372,053
Other newly constructed nonresidential structures	6,787,700
Retail Services - Nonstore, direct and electronic sales	6,248,586
Dimension lumber and preserved wood products	5,645,372
All other crop farming products	5,522,421
Canned, pickled and dried fruits and vegetables	4,490,506
Newly constructed nonresidential commercial and health care structures	4,433,345
Other industrial machinery	4,395,529
Community food, housing, and other relief services, including rehabilitatic	4,028,708
Grantmaking, giving, and social advocacy services	3,970,920
Used and secondhand goods	2,981,725

Buffalo County: Top 25 Industries Based on Total Imports

	Total Imports
Soybean oil and cakes and other oilseed products	39,478,474
Real estate buying and selling, leasing, managing, and related services	36,893,452
Grains	35,212,503
Refined petroleum products	33,734,865
Private hospital services	32,476,857
Insurance	24,785,113
Wholesale trade distribution services	24,027,753
Offices of physicians, dentists, and other health practitioners	16,988,857
Pharmaceutical preparations	13,428,267
Management of companies and enterprises	11,217,993
Telecommunications	11,003,842
Motor vehicle parts	10,648,712
Noncomparable foreign imports	10,061,532
Cheese	9,599,435
Securities, commodity contracts, investments, and related services	8,910,108
Education from private junior colleges, colleges, universities, and professional schools	8,886,625
Processed animal (except poultry) meat and rendered byproducts	8,787,515
Flour and malt	8,442,650
Medical and diagnostic labs and outpatient and other ambulatory care services	8,133,191
All other crop farming products	7,960,049
Rail transportation services	6,837,215
Architectural, engineering, and related services	6,720,154
Agriculture and forestry support services	6,566,730
Retail Services - General merchandise	6,182,003
Air transportation services	6,159,391

Buffalo County: Top 25 Industries Based on Imports for Production

	Imports for Production
Soybean oil and cakes and other oilseed products	39,458,497
Grains	35,166,418
Refined petroleum products	22,109,484
Real estate buying and selling, leasing, managing, and related services	21,081,326
Wholesale trade distribution services	13,459,243
Insurance	11,944,197
Management of companies and enterprises	11,217,993
Motor vehicle parts	10,181,624
Cheese	8,774,231
Flour and malt	8,261,287
All other crop farming products	7,938,823
Telecommunications	6,839,758
Rail transportation services	6,655,099
Agriculture and forestry support services	6,528,173
Architectural, engineering, and related services	6,159,158
Noncomparable foreign imports	5,804,144
Processed animal (except poultry) meat and rendered byproducts	5,796,338
Medicines and botanicals	5,746,653
Couriers and messengers services	5,693,768
Advertising and related services	5,225,455
Services to buildings and dwellings	4,560,596
Paperboard containers	4,032,128
Securities, commodity contracts, investments, and related services	3,998,917
All other basic inorganic chemicals	3,445,926
Pesticides and other agricultural chemicals	3,350,385

Too Much Data!

What do we need additional
information on?