

#### The Human Dimension of the Kansas Economy 1970 - 2008

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# Acknowledgements

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   Statistical Abstract
  - http://www.ipsr.ku.edu/ksdata/ksah/
  - I want to thank the KSA team for their help with this presentation:
    - Xan Wedel
    - Genna Hurd
    - Laura Stull

# Kansas Economy—Human Dimension

- Examine how changes in:
  - Population
  - Employment
  - Education
- Have contributed to recent economic growth and change
  - In Kansas
  - Relative to neighboring states
  - Relative to rest of the country



#### **Population Trends**

#### **United States**

Population Growth

- 48.2 % 1970 2008
- Aging of population
   > 65 Years of Age
   > 10.2% in 1970
   > 12.4 % in 2003
  - 5-17 Years of Age
     24.5 % in 1970
    - 18.3 % in 2003

#### Kansas

- Population Growth
  - 18.6 % 1970 2008
- Aging of population
  - > 65 Years of Age
    - 12.2% in 1970
    - 13 % in 2003
  - 5-17 Years of Age
    - > 23.7 % in 1970
    - > 18.6% in 2003



### **Population Trends**

#### **United States**

Increased immigration

- 11.1% of population in 2000
- 42.4% increase 1990-2000
- Changes in racial composition
  - 87.2% white in 1970
  - 80.5 % white in 2003

#### Kansas

- Increased immigration
  - 5% of population in 2000
  - 55.1% increase 1990-2000
- Changes in racial composition
  - 94.7% white in 1970
  - 86.1 % white in 2003



# **Maximum Population by Year**

#### Census Year of Maximum Population by Kansas County, 1890-2000

Cheyenne 1930		awlins 1930	Decatur 1900	Norton 1930	Phillips 1900	Smith 1900	Jewell 1900	Republic 1890	Washingto 1890	n Marsha 1900		a 1900	Brown 1900 Doniphan 1900		
Sherma 1970		homas 1980	Sheridan 1930	Graham 1910	Rooks 1910	Osborne 1910	Mitchell 1890	Cloud 1890 Ottawa			Riley 1900		n Leavenworth Jefferson 2000 2000 Wyandotte		Census Year 1890
Wallace 1930	Log 19		Gove 1910	Trego 1930	Ellis 2000	Russell 1940	Lincoln 1910 Ellsworth	1890 Saline 1960	Dickinson	1990 Morris	Wabaunsee 1900	Shawnee 2000 Osage	Douglas 2000	2000	1900
Greeley 1960	Wichita 1970	Scott 1980	Lane 1930	Ness 1930	Rush 1930	Barton 1960	Rice 1940	McPherson 2000	Marion 1920	1910 Chase 1900	Lyon 2000	1890 Coffey	Franklin 2000 Anderson	Miami 2000 Linn	I930
Hamilton 1950	Kearny 2000	Finney 2000		Hodgeman 1930	Pawnee 1950 Edwards 1930	Stafford 1910	Renc 1980				Greenwood 1930	1900 Woodson 1900	1890 Allen 1910	1890 Bourbon 1890	1950 1960
Stanton 2000	Grant 2000	Haskell 2000	Gray 1930	Ford 2000	Kiowa 1910	Pratt 1930	Kingman 1910	Sedgw 200	vick 200	2000	Elk 1890	Wilson 1920	Neosho 1920	Crawford 1920	1970 1980
Morton 1930	Stevens 2000	Seward 2000	Meade 1930	Clark 1920	Comanche 1920	Barber 1930	Harper 1910			Cowley 1930	Chautauqua 1890	Montgome 1930	ery Labette 1920	Cherokee 1900	2000

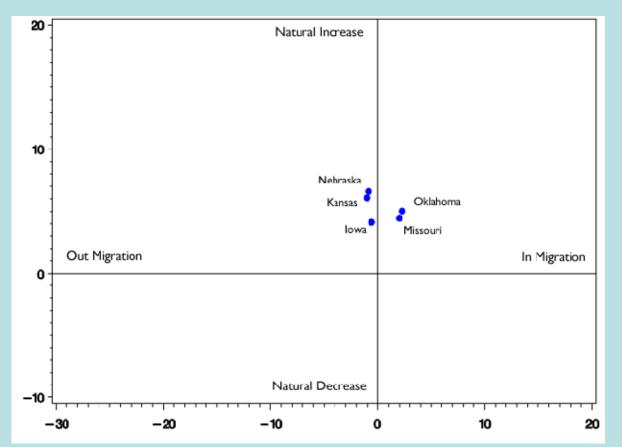
Source: U.S. Census Bureau, Decennial Census, 1890-2000.



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#### **Population Trends—Plains States**

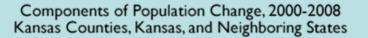
Components of Population Change, 2000-2008 Kansas and Neighboring States

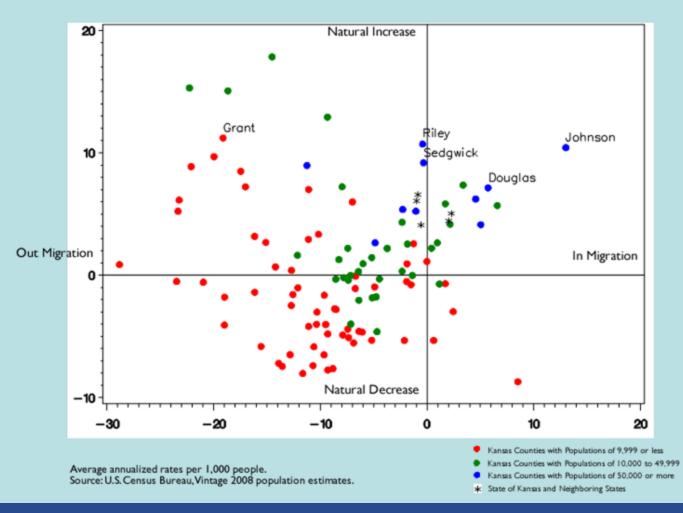


Astrogo ameniaci retes per 1,550 people. Su cer 115 Centre Russia, Vinage 2008 population estimates



#### **Population Trends—Kansas Counties**

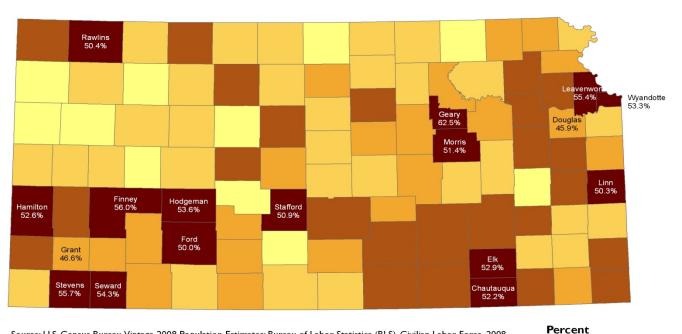




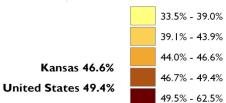


# **Dependent Population by County**

Percent of Population Not in Civilian Labor Force (Age 18-64) in Kansas, by County, 2008



Source: U.S. Census Bureau, Vintage 2008 Population Estimates; Bureau of Labor Statistics (BLS), Civilian Labor Force, 2008.





#### Education

#### **United States**

Increased Skills

- High School or More
  - > 75.2 % in 1990
  - > 84.6 % in 2003
- College Grads or More
  - > 20.3 % in 1990
  - > 27.2 % in 2003

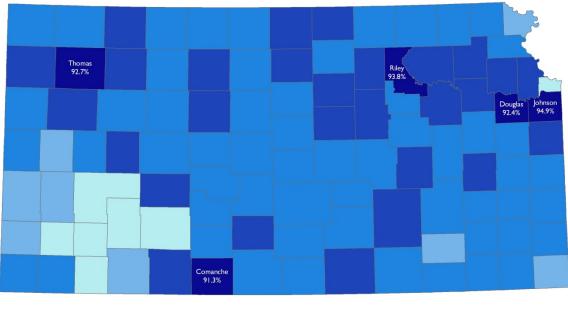
#### **Kansas**

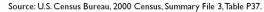
- Increased Skills
  - High School or More
    - 81.3 % in 1990
    - > 88.6 % in 2008
  - College Grads or More
    - > 21.1% in 1990
    - > 31% in 2003



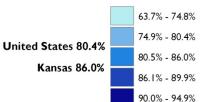
## **Educational Attainment**

Percent of Population Age 25 and Over with a High School Diploma or Greater Lever of Educational Attainment in Kansas, by County, 2000





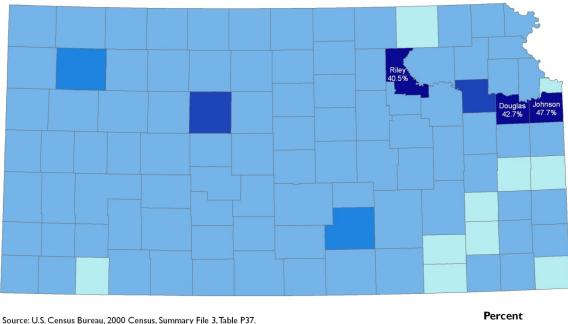


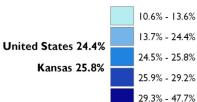




## **Educational Attainment**

Percent of Population Age 25 and Over with a Bachelors Degree or Greater Lever of Educational Attainment in Kansas, by County, 2000





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# **Employment and Earnings**

#### **United States**

- Female Labor Force Participation
  - 58.8% in 1994
  - 59.5% in 2003
- Slight Decrease in Male Labor Force Participation
  - 75.1% in 1994
  - 73.5 % in 2003

#### <u>Kansas</u>

- Female Labor
   Force Participation
  - 63.8% in 1994
  - 64.7% in 2003
- Slight Decrease in Male Labor Force Participation
  - 78.4% in 1994
  - 75.6 % in 2003



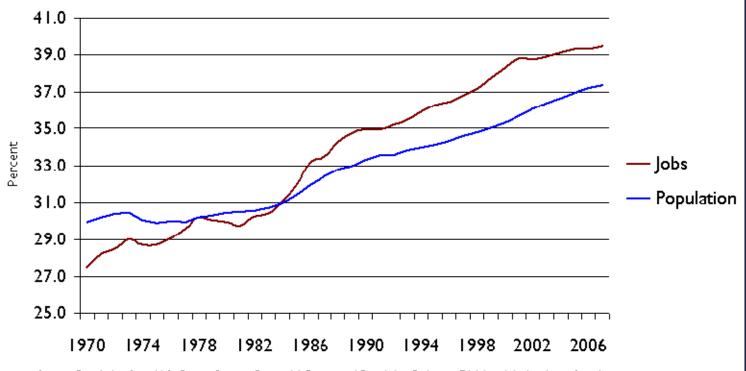
# **U.S. Earnings Trends**

- U.S. Men: Stagnant Real Median Earnings
  - \$44,367 in 1970
  - \$46,367 in 2008
    - > 4.5% increase
- U.S. Women: Increased Real Median Earnings
  - \$26,340 in 1970
  - \$35,745 in 2008
    - ➢ 35.7% increase



### **Jobs and Employment**

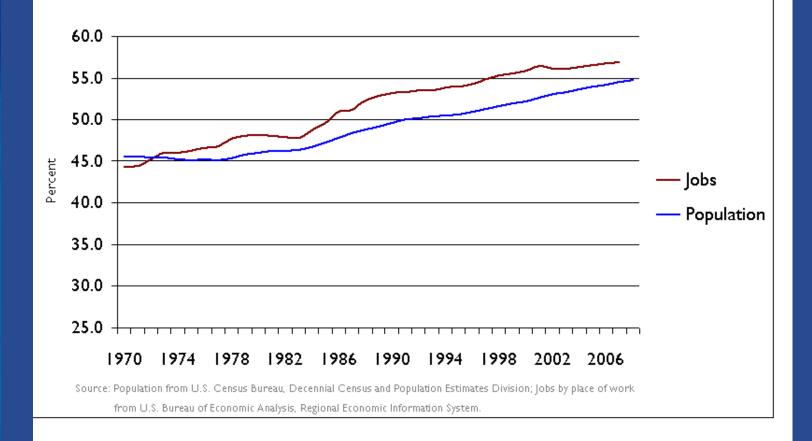
Jobs and Population in Douglas, Johnson, Leavenworth, Shawnee, and Wyandotte Counties (as a percent of state total)



Source: Population from U.S. Census Bureau, Decennial Cersus and Population Estimates Division; Jobs by place of work from U.S. Bureau of Economic Analysis, Regional Economic Information System.

### **Jobs and Employment**

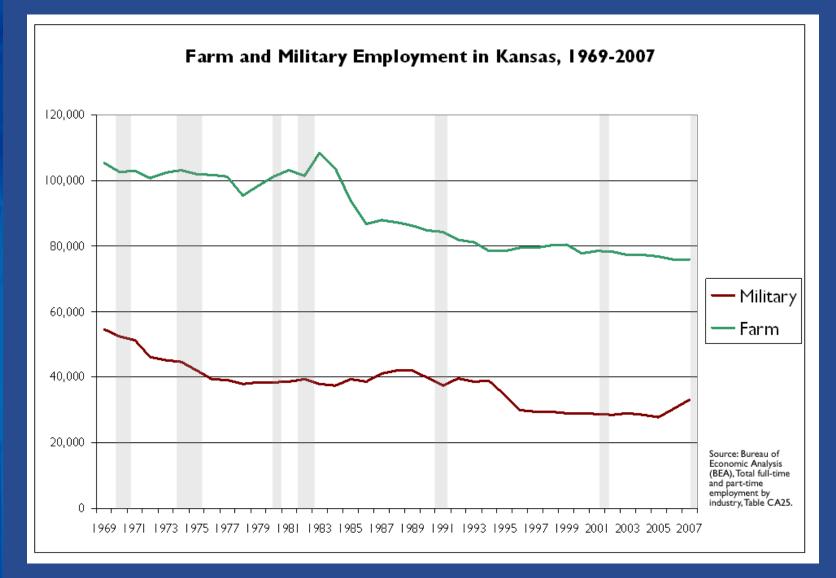
Jobs and Population in Douglas, Johnson, Leavenworth, Shawnee, Sedgwick, and Wyandotte Counties (as a percent of state total)



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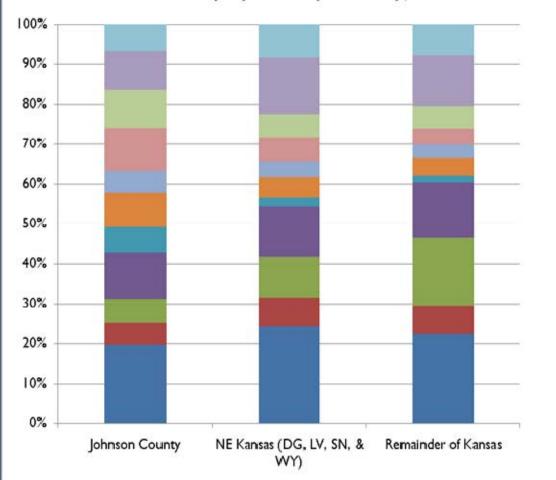


# Farm and Military Employment





# **Employment by Industry**



Employment by Industry, 2007

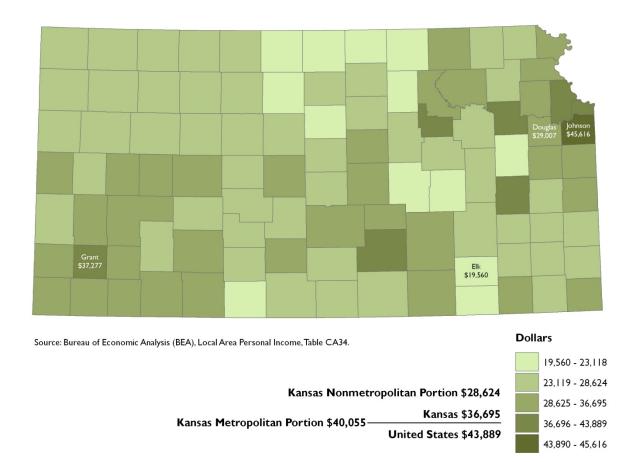
Accommodation and food services
Health care and social assistance
Administrative and waste services
Professional and technical services
Real estate and rental and leasing
Finance and insurance
Information
Retail Trade
Manufacturing
Construction
All other industries

Source: Bureau of Economic Analysis (BEA), Total employment by industry, Table CA25.



# Average Wage Per Job 2007

Average Wage per Job in Kansas, by County, 2007



October 22, 2009

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#### **Economic Growth**

#### **United States**

#### Real GDP Growth

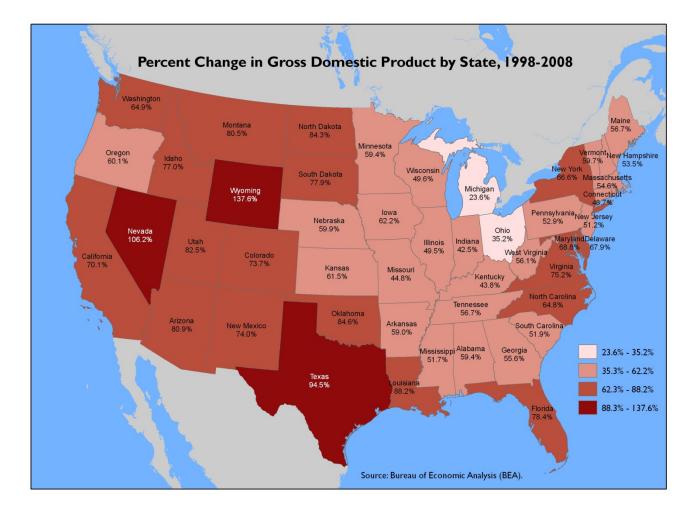
- 22.8% 1990-1997
- 27.0% 1998-2007

#### Kansas

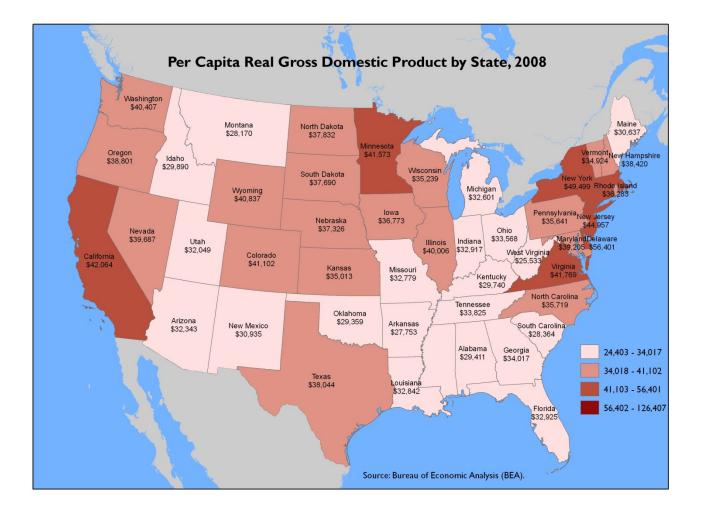
- Real GDP Growth
  - 20.9% 1990-1997
  - 20.9% 1998-2007



# **Gross Domestic Product by State**

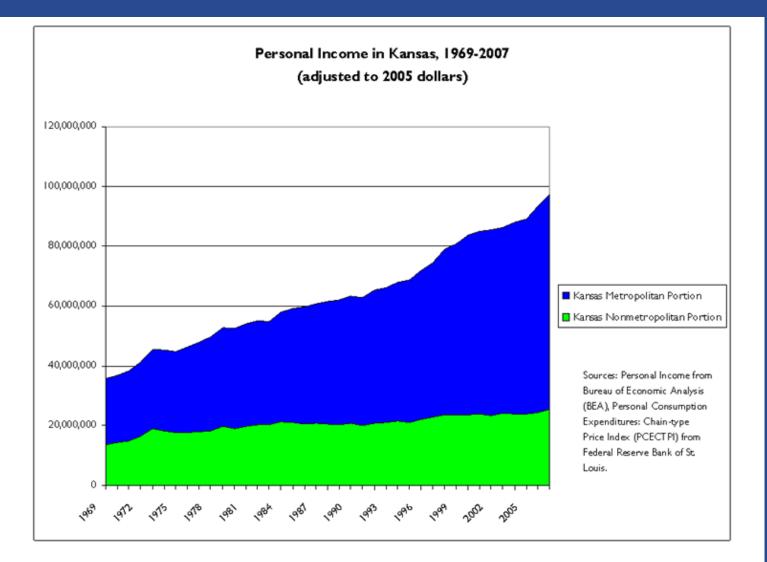


#### **NOT Per Capita Gross Domestic Product**



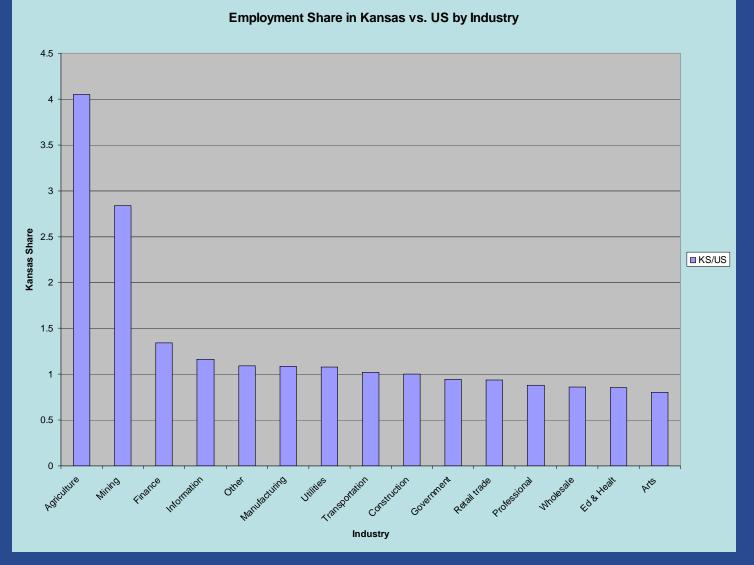


#### **Personal Income**





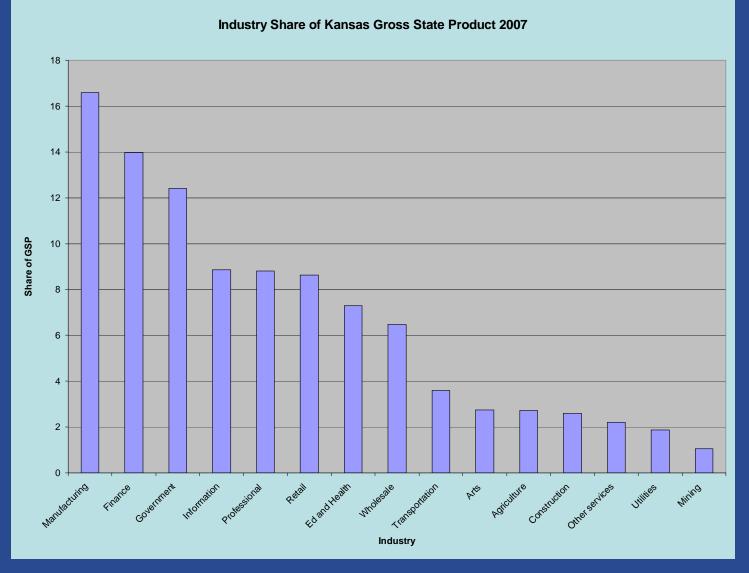
# Kansas Share of Employment Relative to U.S. by Industry, 2007



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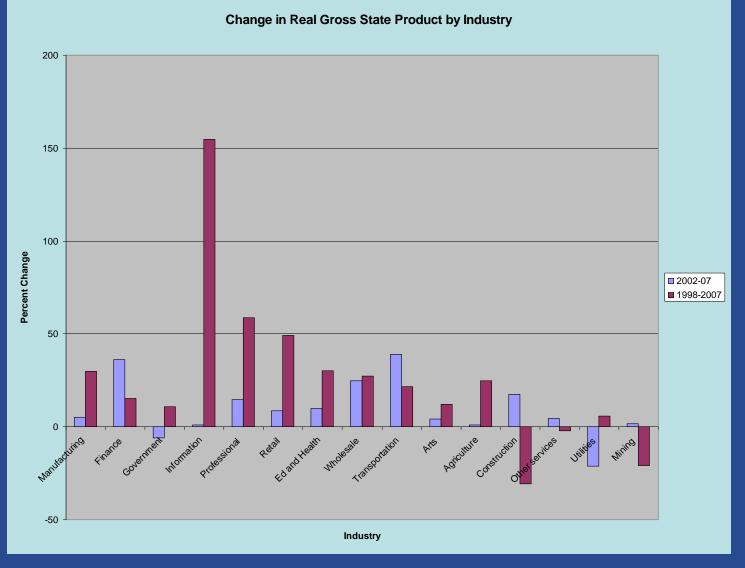
#### Industry Share of Kansas GSP, 2007



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#### Change in Kansas Real GSP by Industry, 1998 - 2007



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# What Future Holds

- Continued population shifts:
  - Big will get bigger, the small smaller
     >Unless alternative energy, agriculture and other industries grow in Western Kansas
- Employment and Earnings Growth will be tied to increased skills and lifetime learning
  - Kansas has a comparative advantage in skill
  - Low cost of living
  - We should work to attract high-skill jobs



# What Future Holds

- Largest Kansas Industries are under pressure
  - Manufacturing, Finance, Information, Retail, and Construction will retrench and perhaps shrink in near future
- Where will the growth come from?
  - Energy and Alternative Energy
  - Bioscience
  - Transportation
  - Agriculture



# The remaining speakers will address these issues

