

Finance and Credit Issues for Agriculture and the Food System: Update 2010

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Summary: Key Changes November 2008 - Today



- Short-term liquidity
- Financial market volatilty
- Unemployment
- Deleveraging
- Public debt: level, duration, yield curve
- Federal and state budgets
- Corporate and farm profitability
- Securitization markets
- Bank failures & stress on FDIC
- Agricultural financial stress: dairy, protein and ethanol markets

Financial Health of the Consumer



Income declines

- > 15 million unemployed + 11.5 underemployed
- Average work week 33.3 hours
- Median unemployment 19.9 weeks (up 100% Nov 2008)

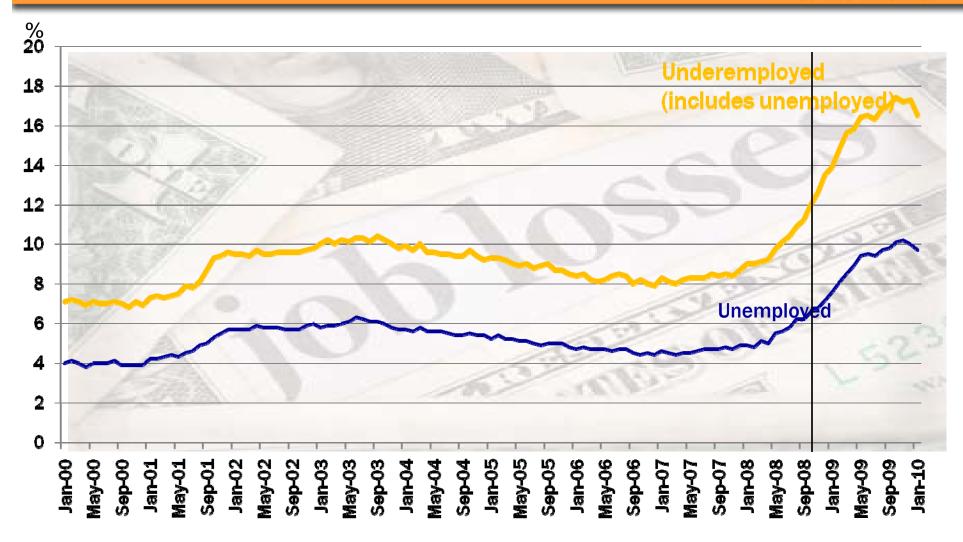
Wealth declines

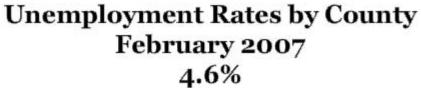
- > \$3.6 trillion off home price peak
- > \$8.3 trillion off financial asset peak values
- 23% home mortgages with negative equity
- 9.24% mortgages past due (up 44%)

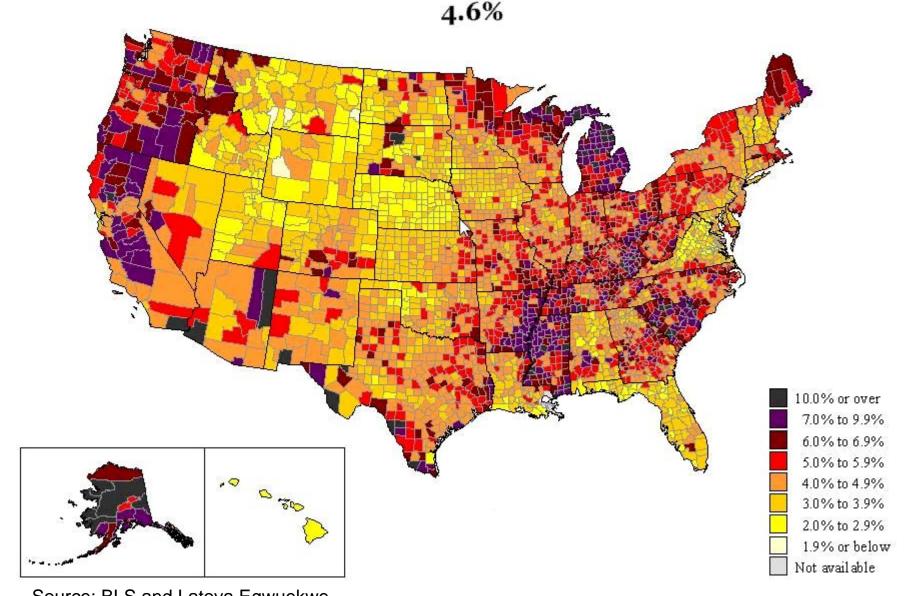


Labor Market

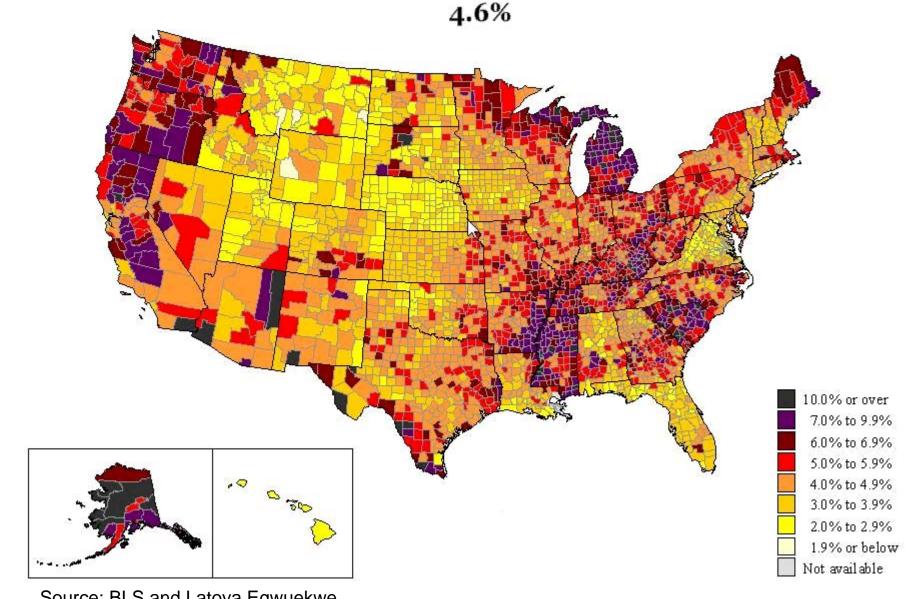


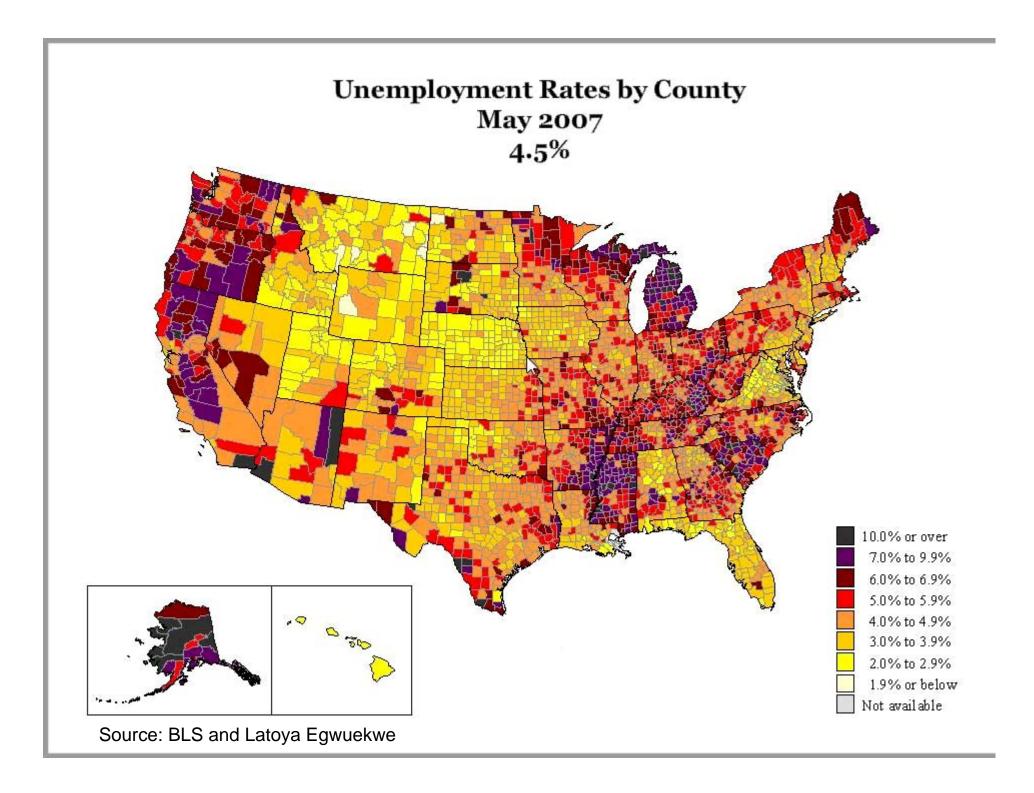


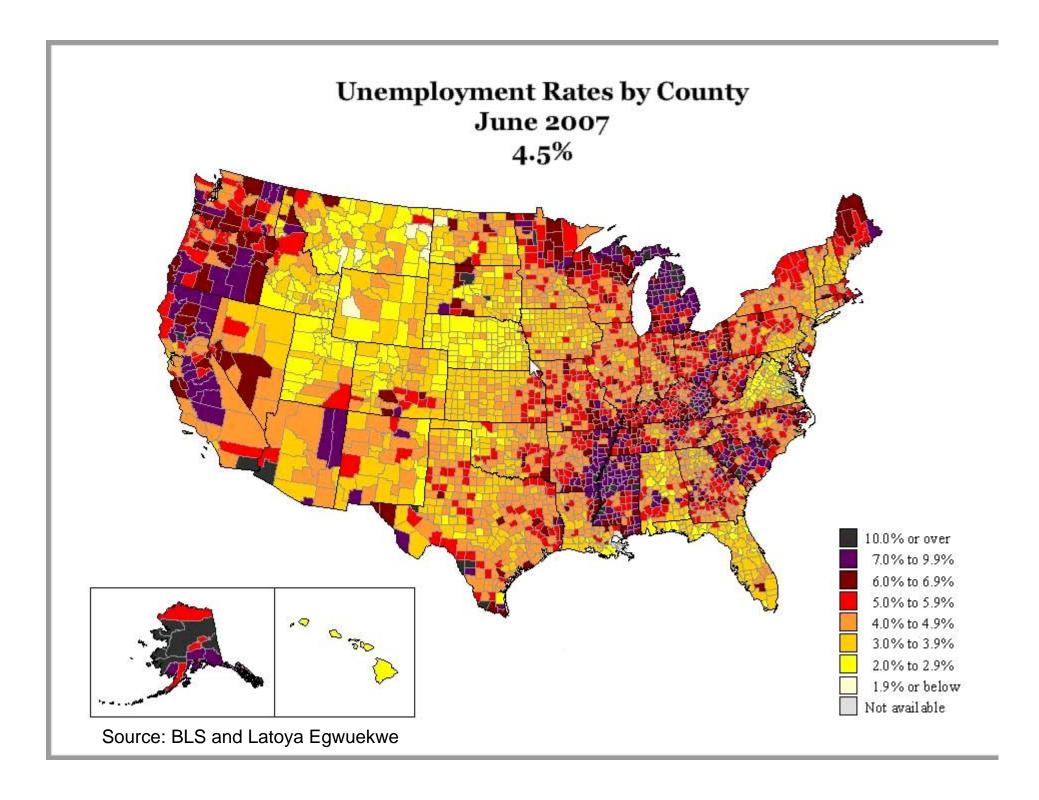


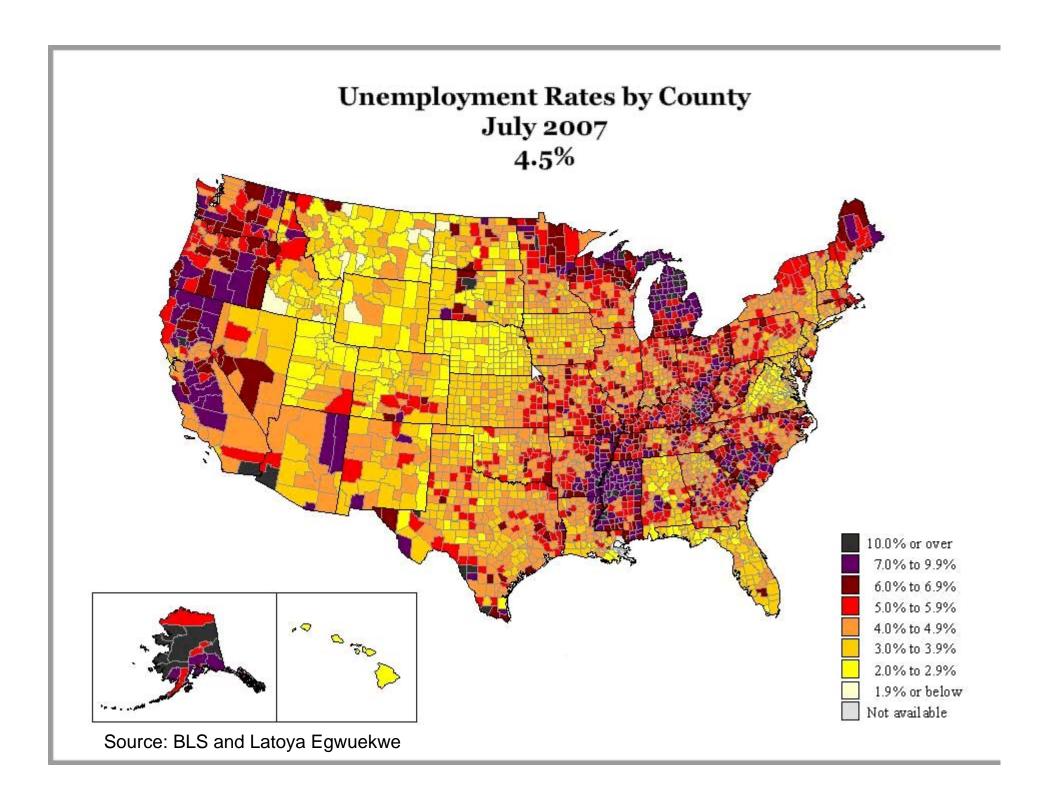


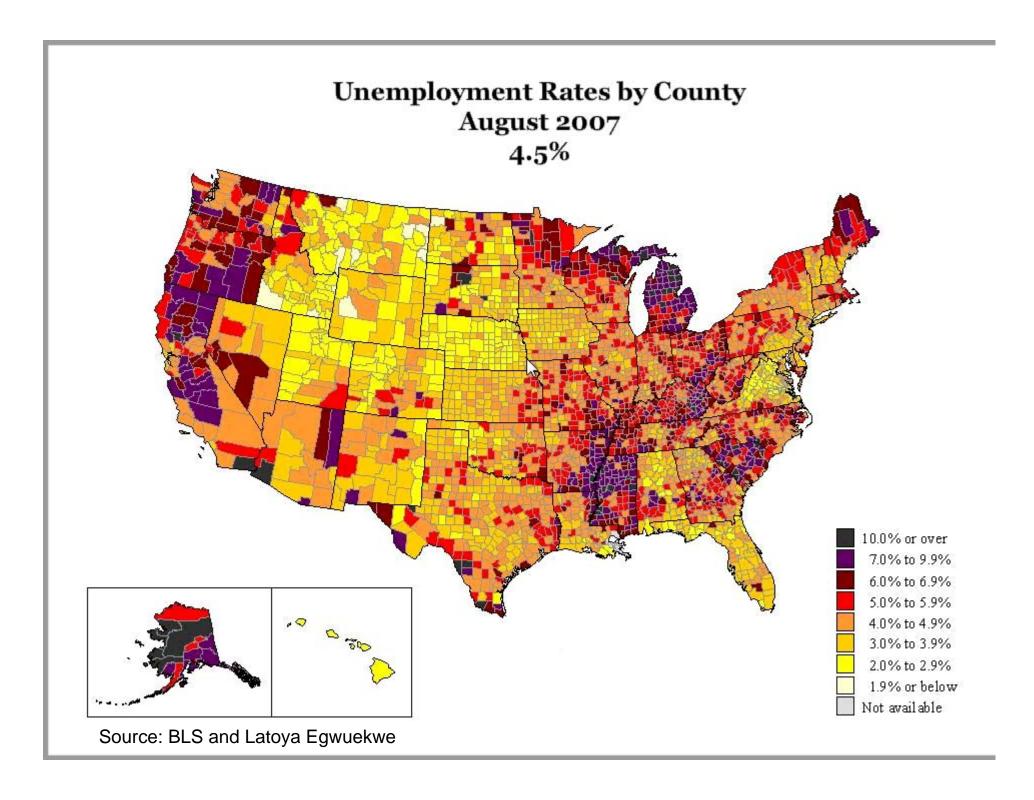


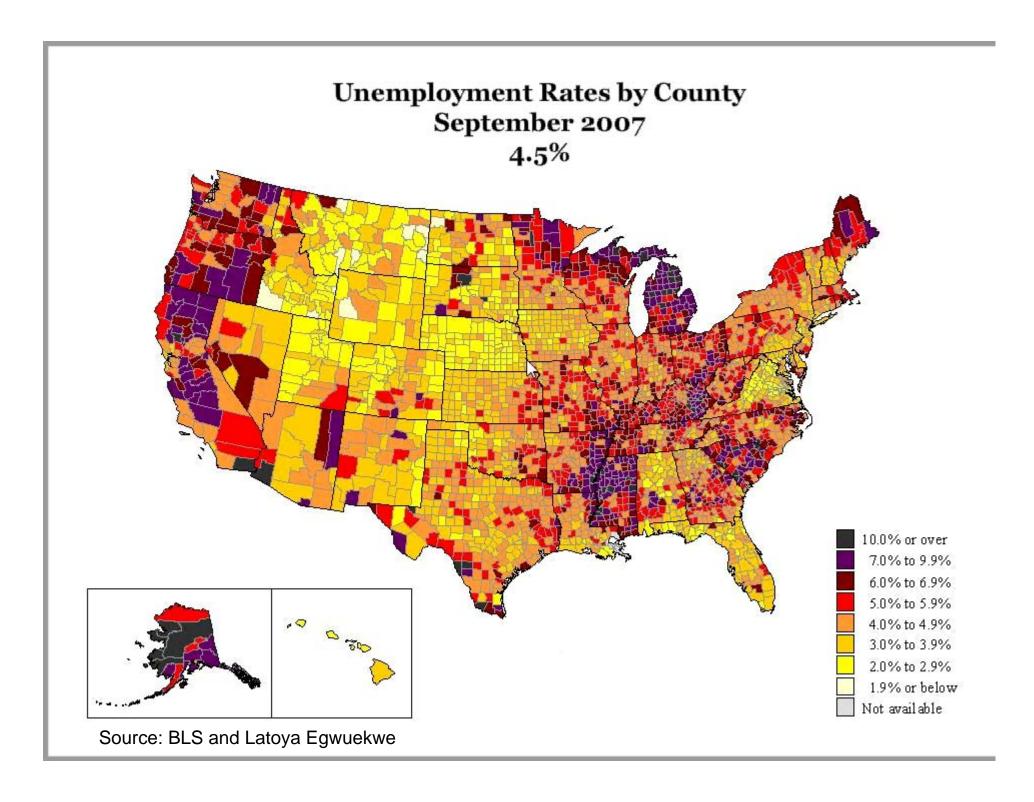


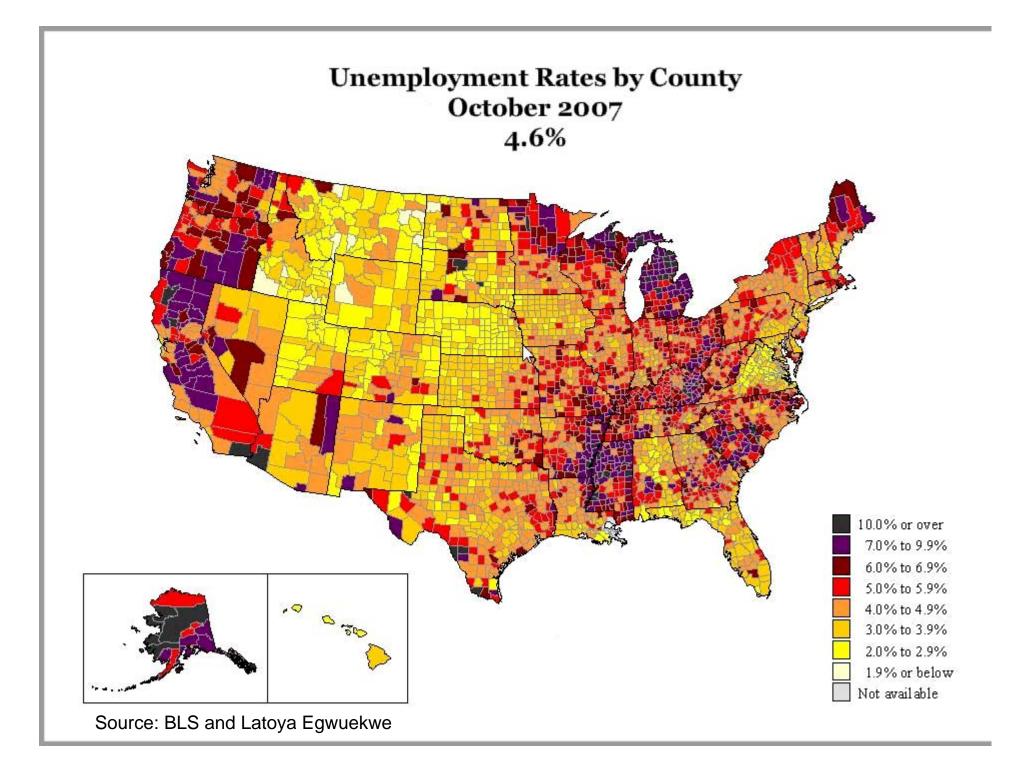


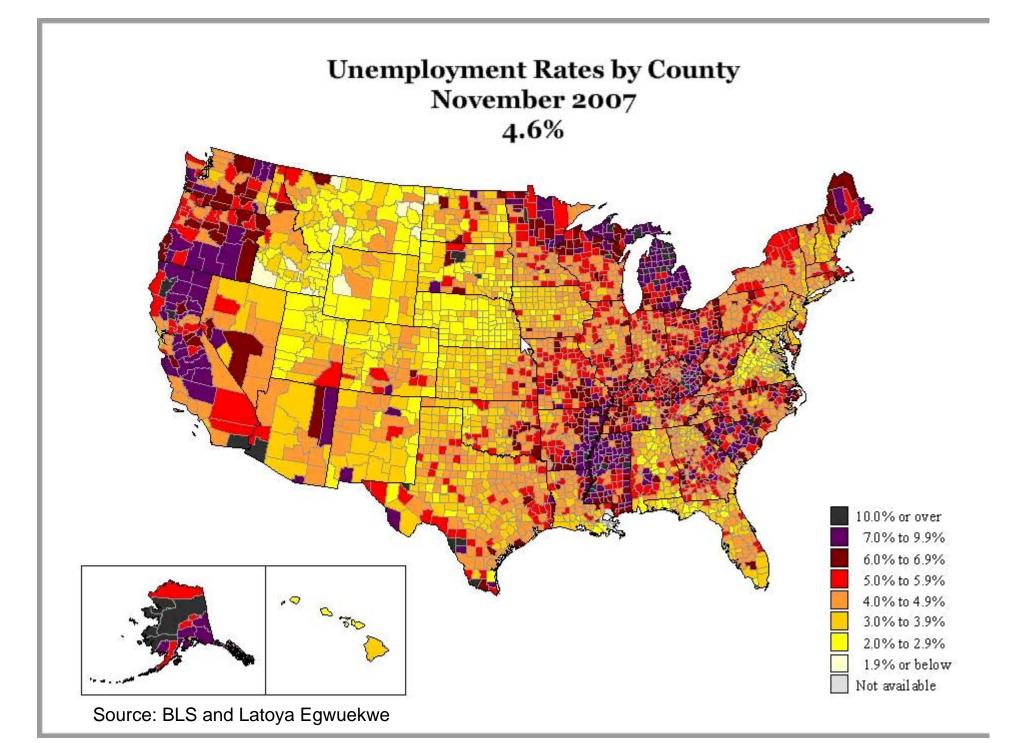


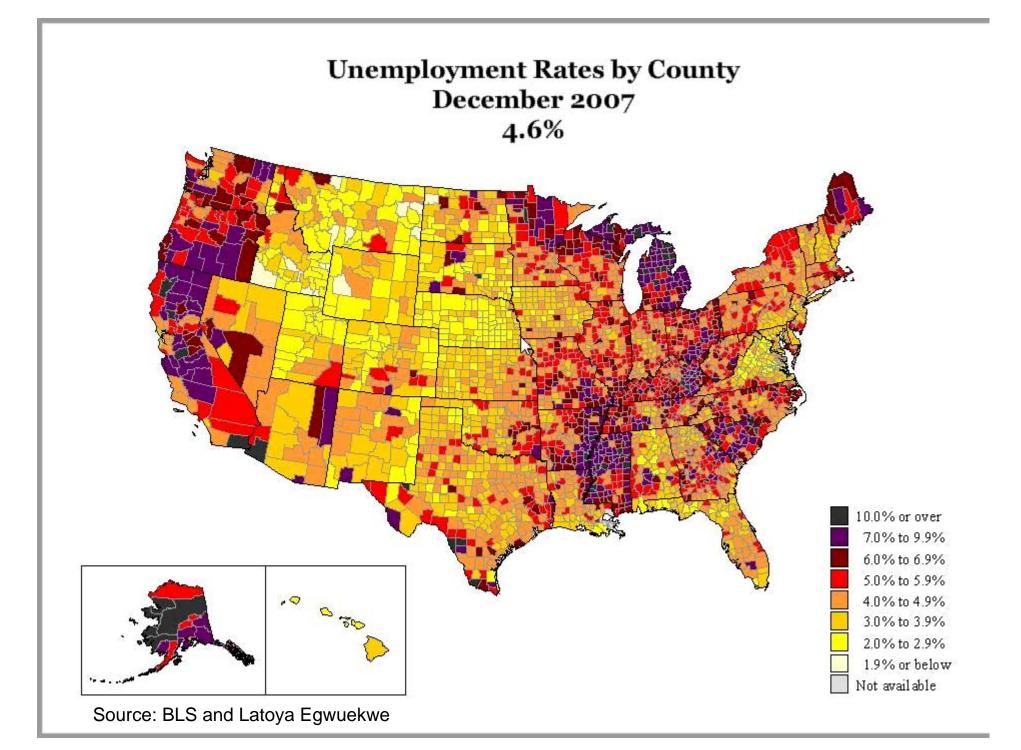


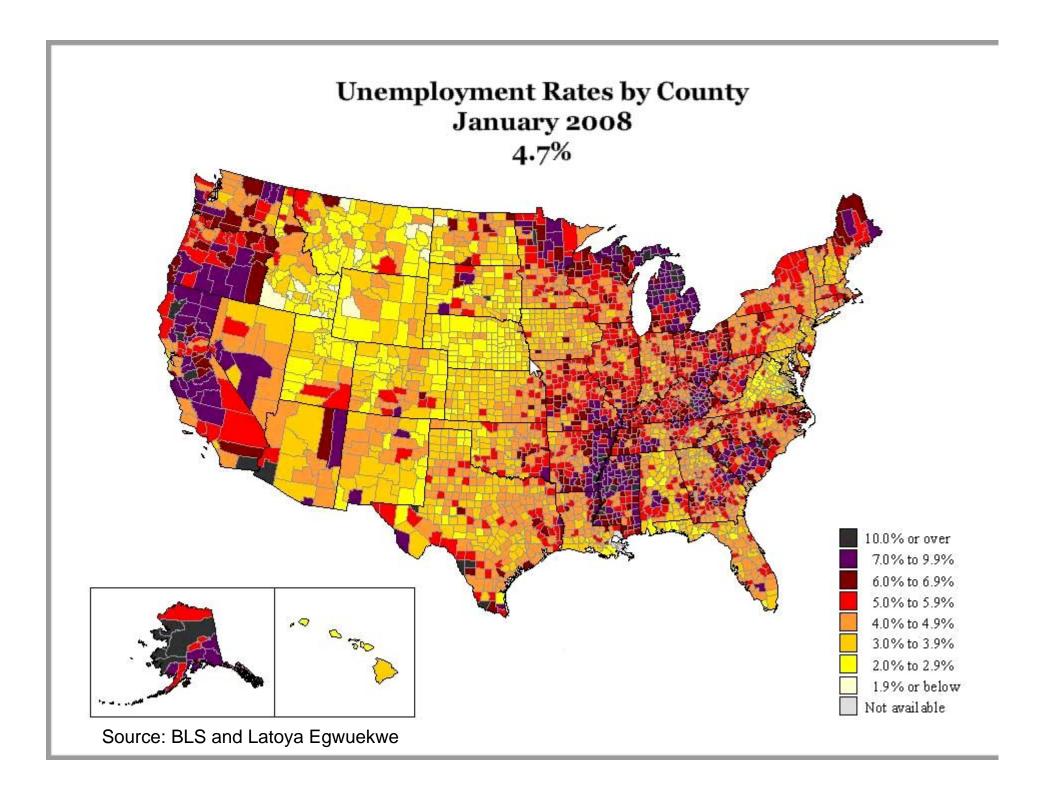


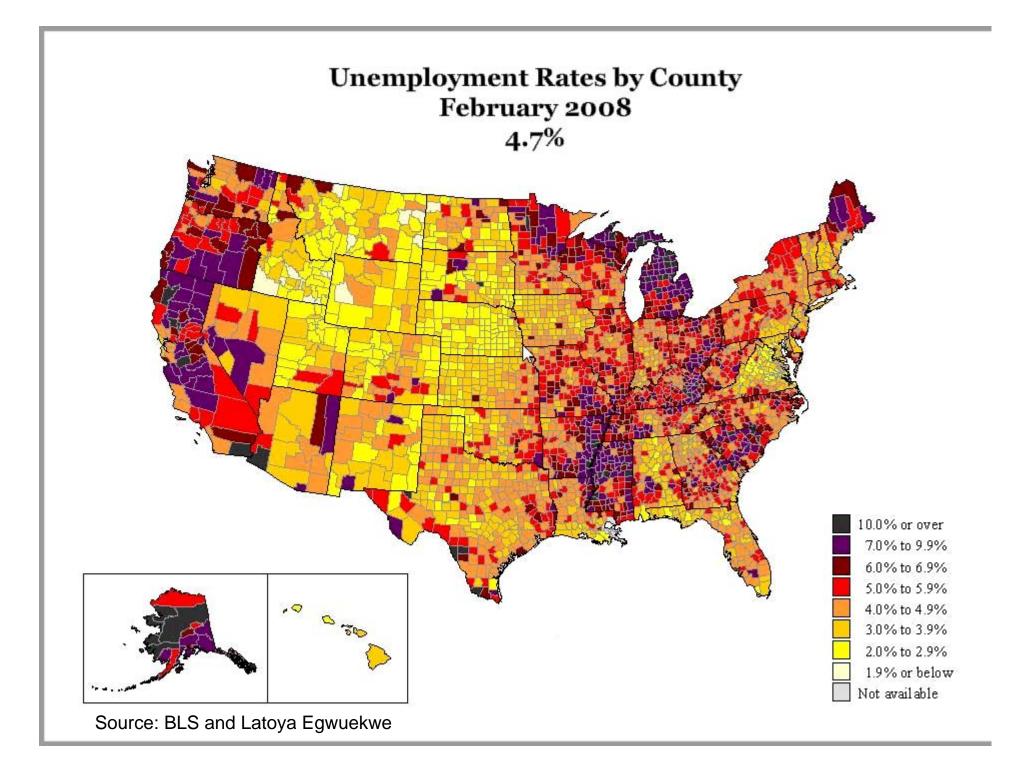




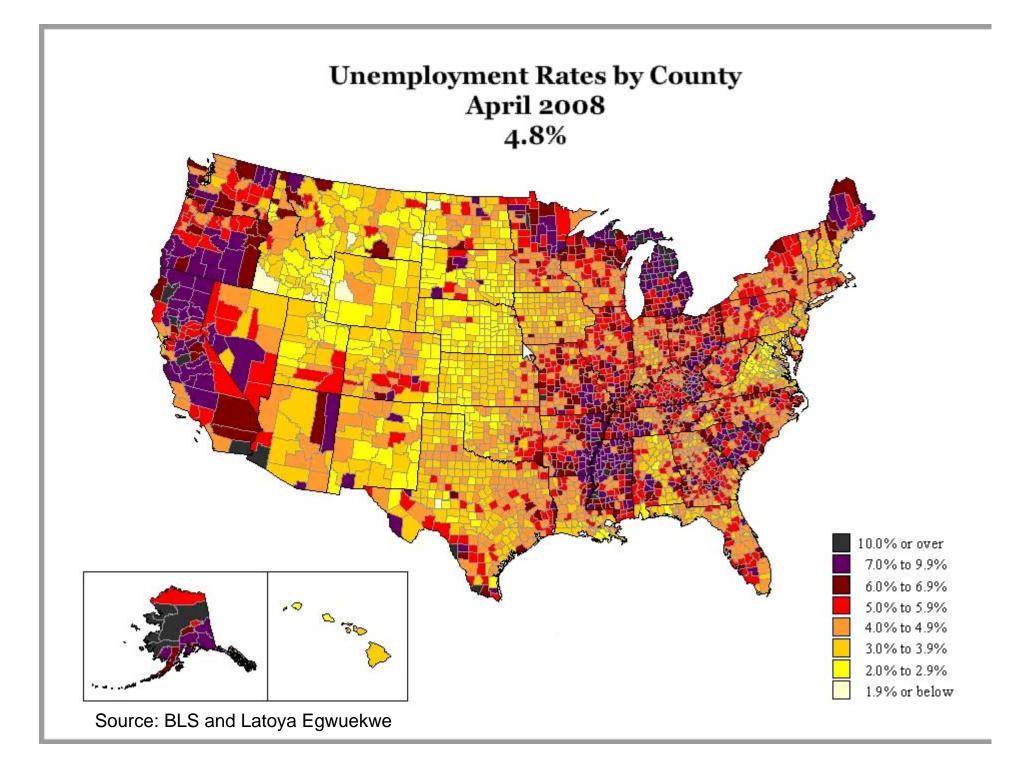




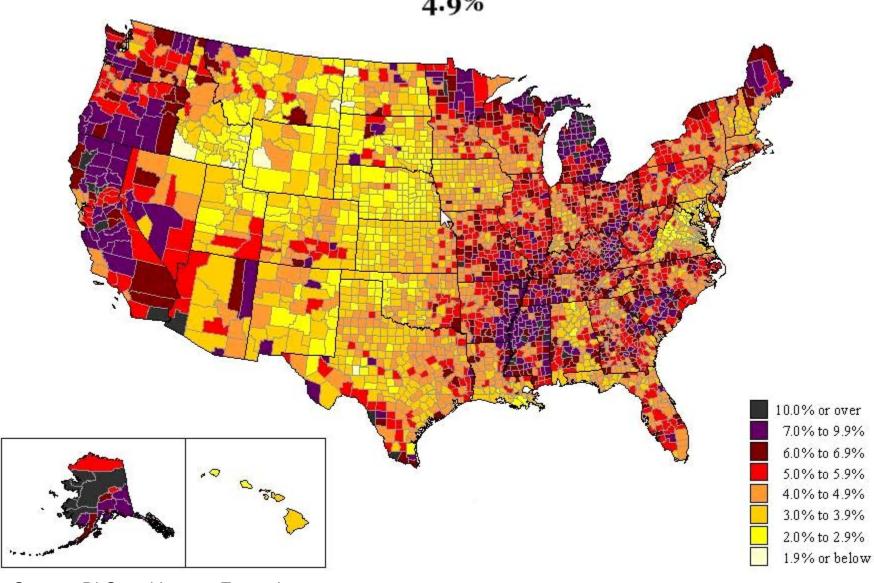


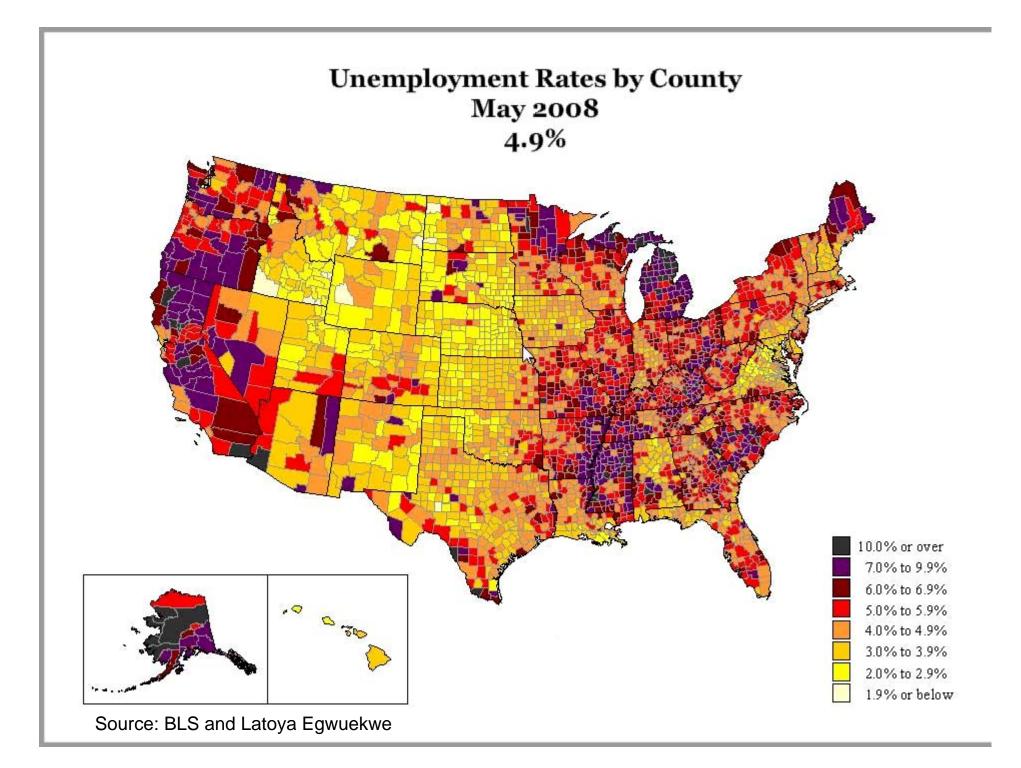


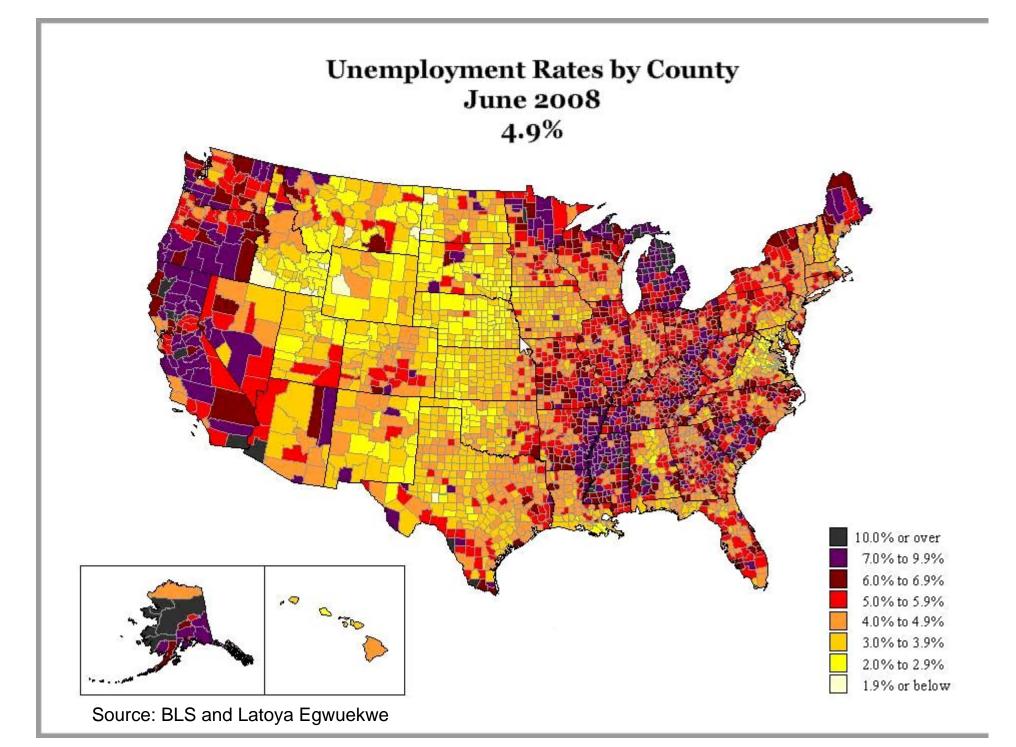
Unemployment Rates by County March 2008 4.7% 10.0% or over 7.0% to 9.9% 6.0% to 6.9% 5.0% to 5.9% 4.0% to 4.9% 3.0% to 3.9% 2.0% to 2.9% 1.9% or below Source: BLS and Latoya Egwuekwe

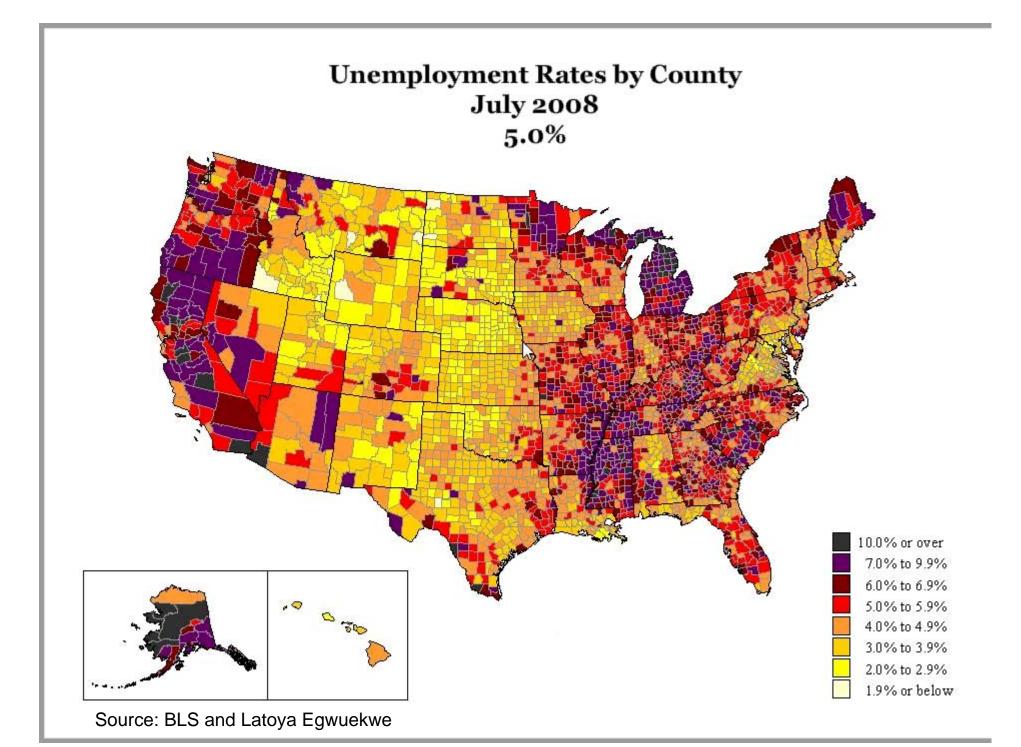


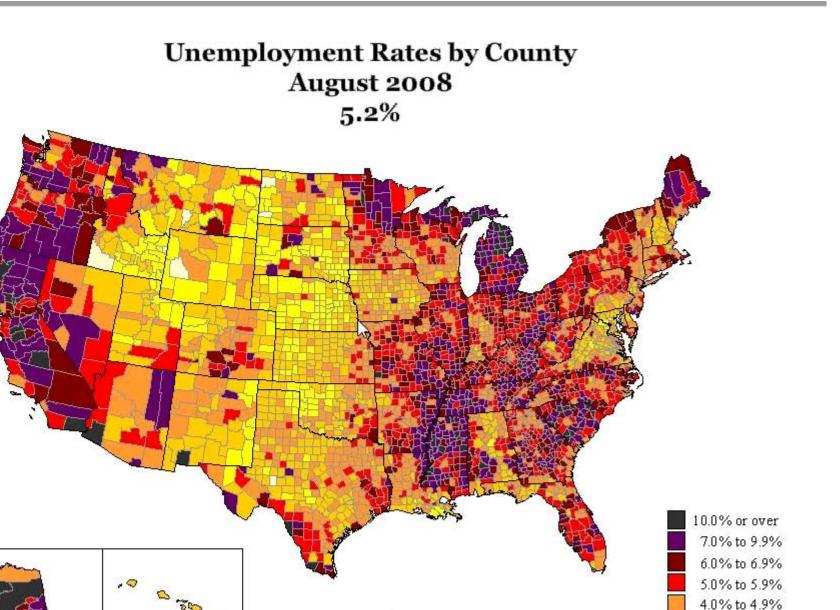




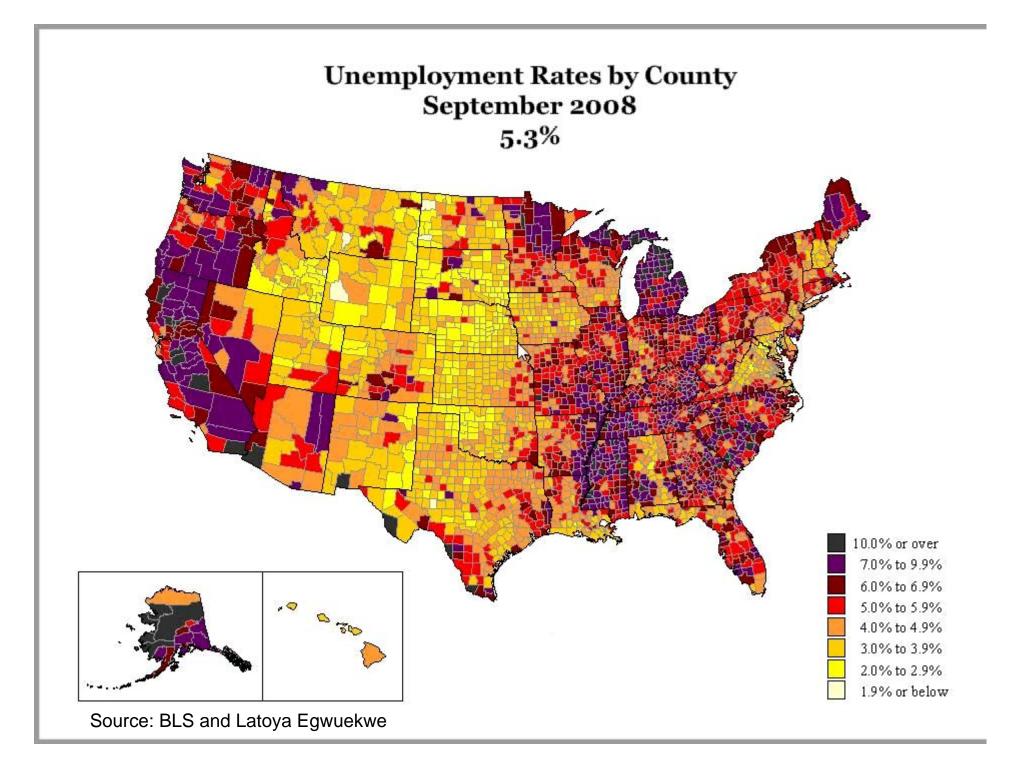


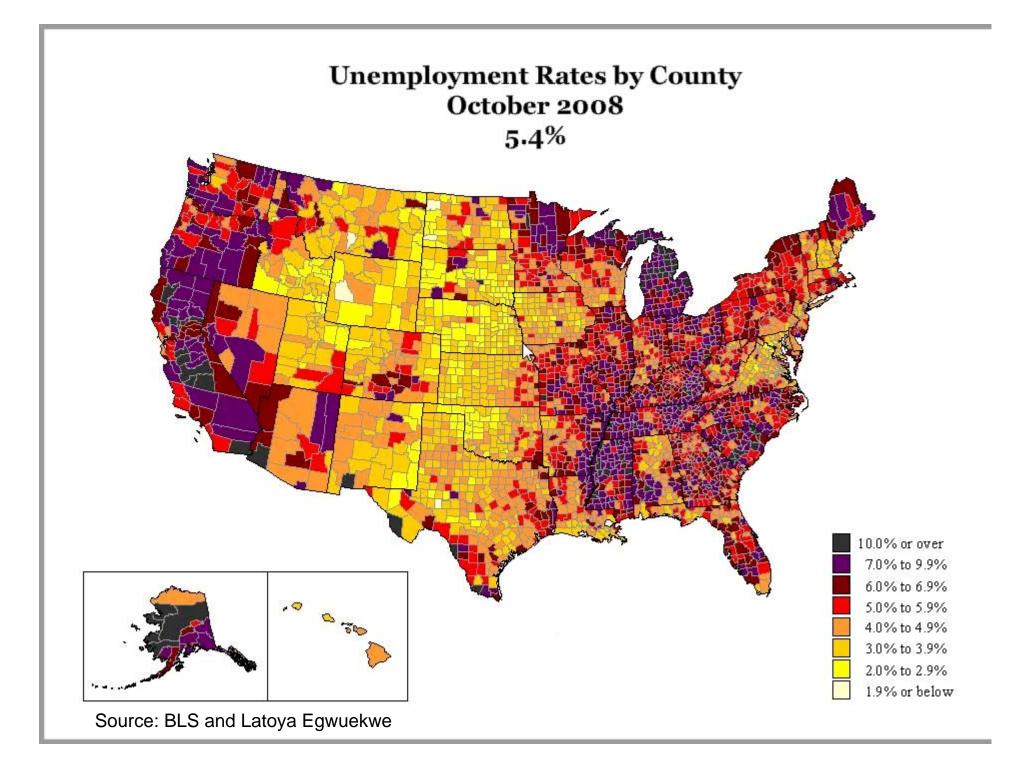


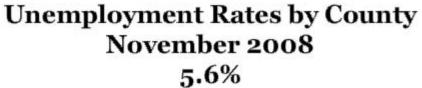


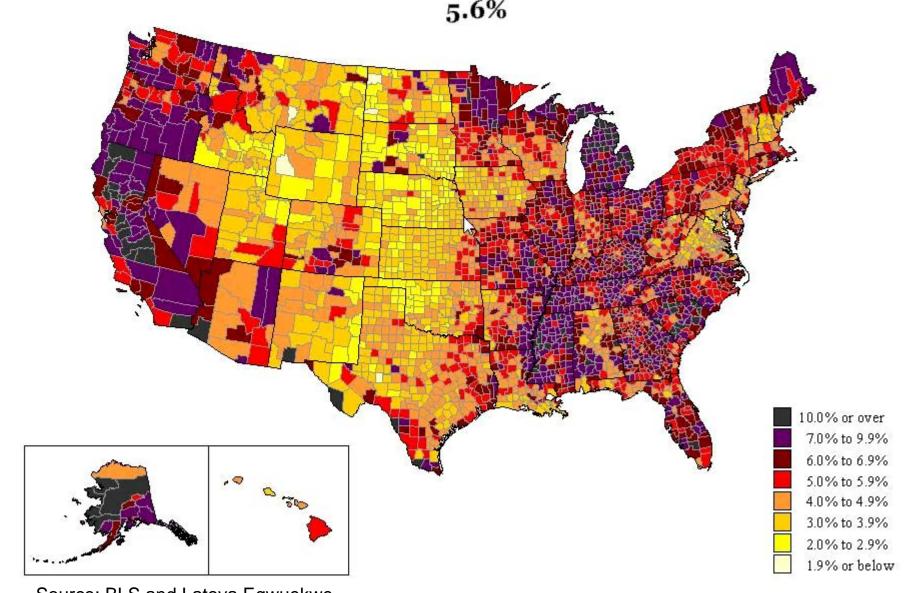


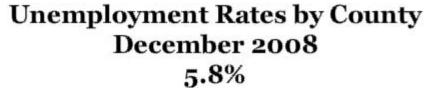
3.0% to 3.9% 2.0% to 2.9% 1.9% or below

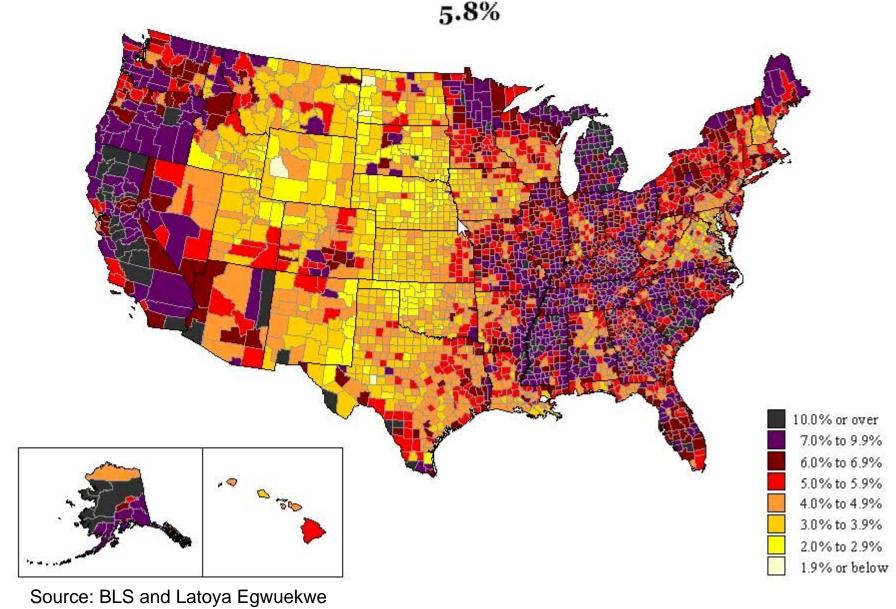


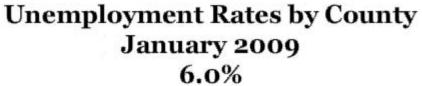


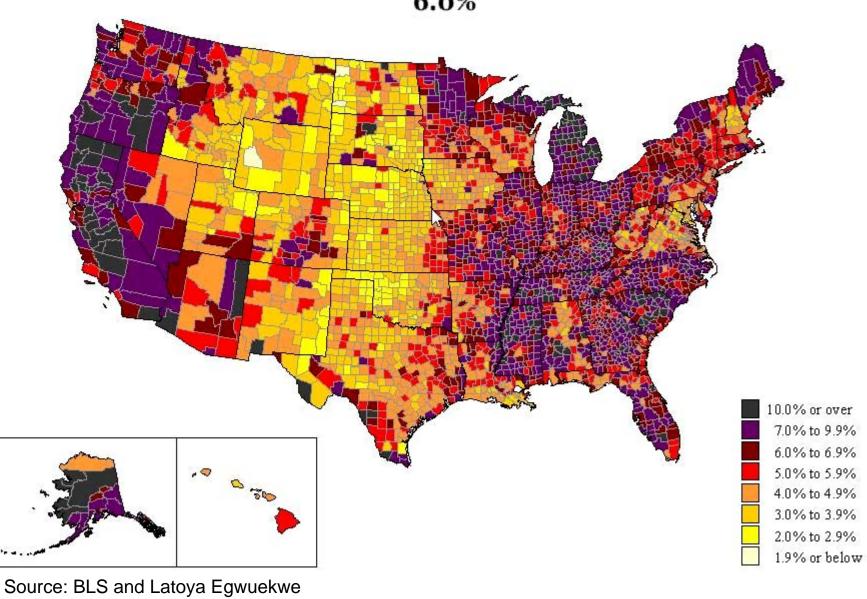




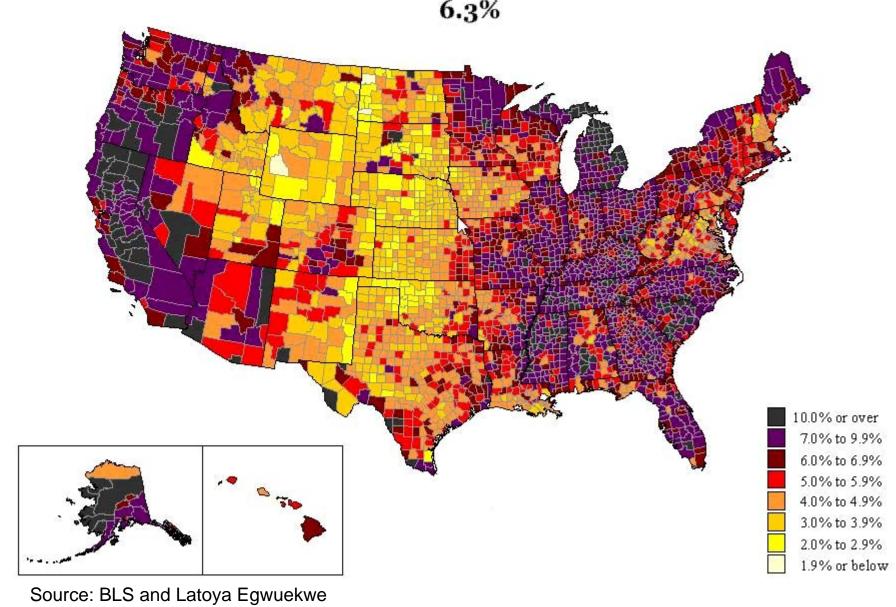




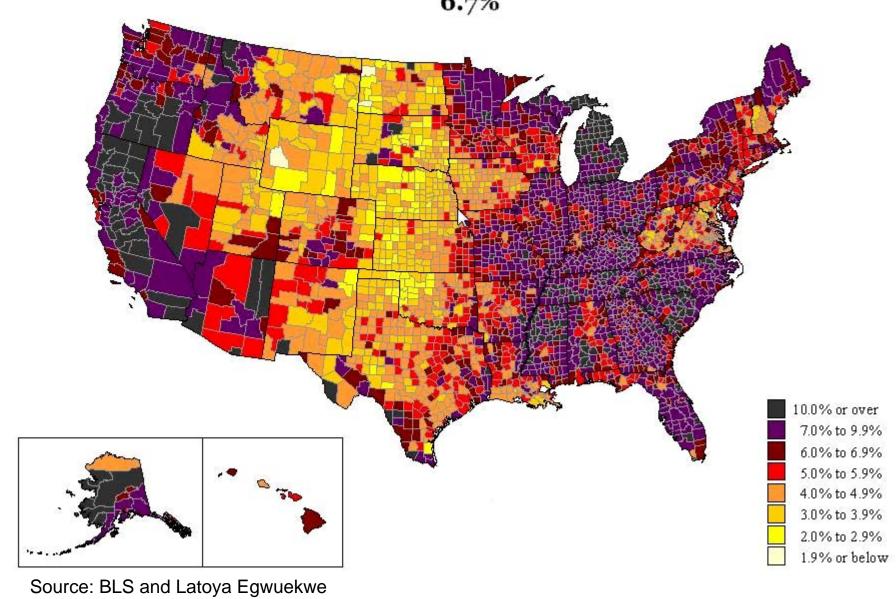




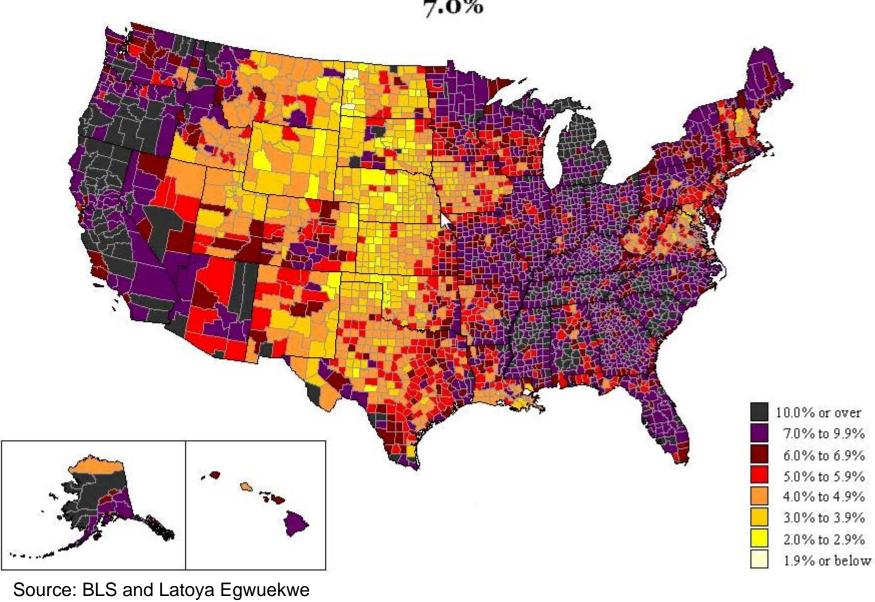


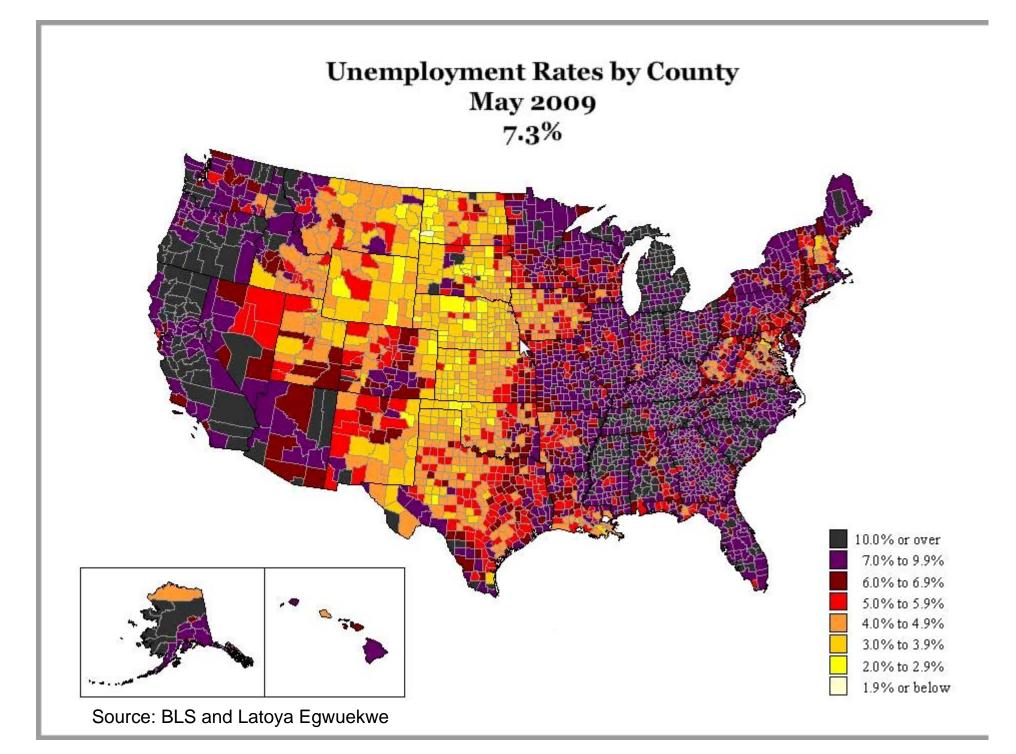


Unemployment Rates by County March 2009 6.7%

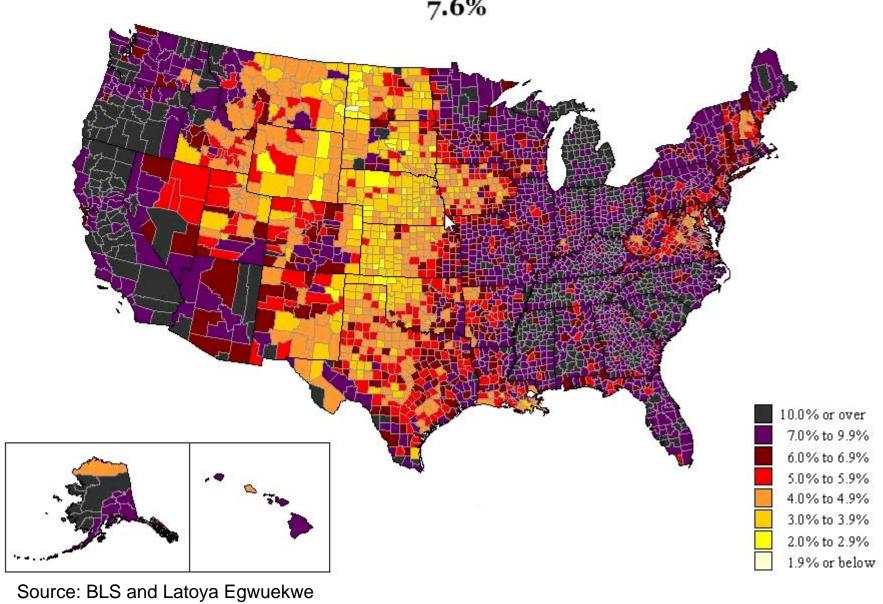


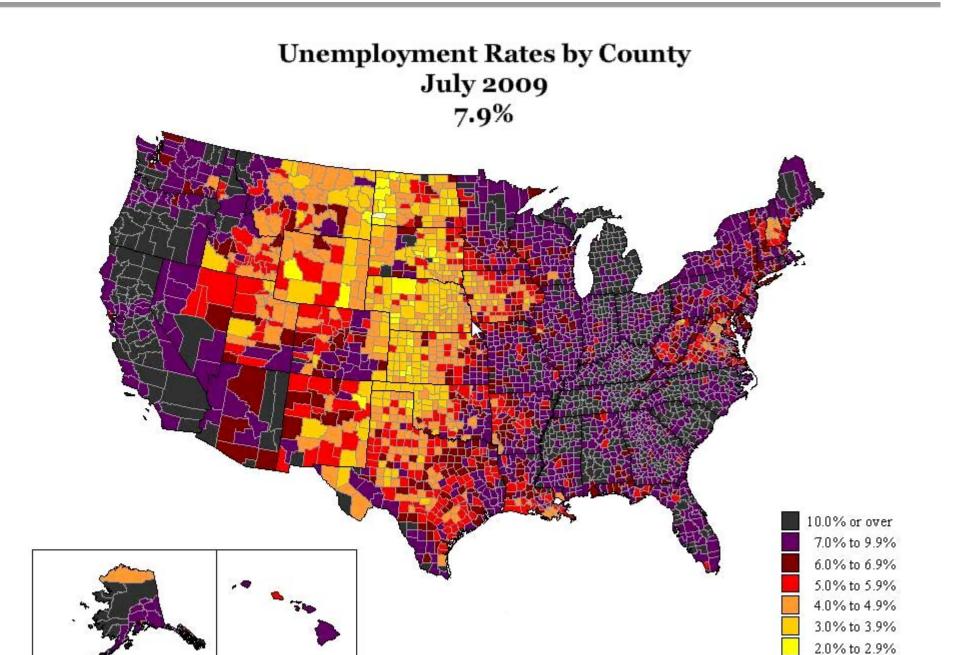




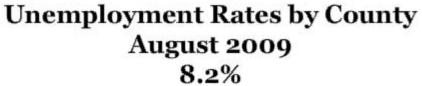


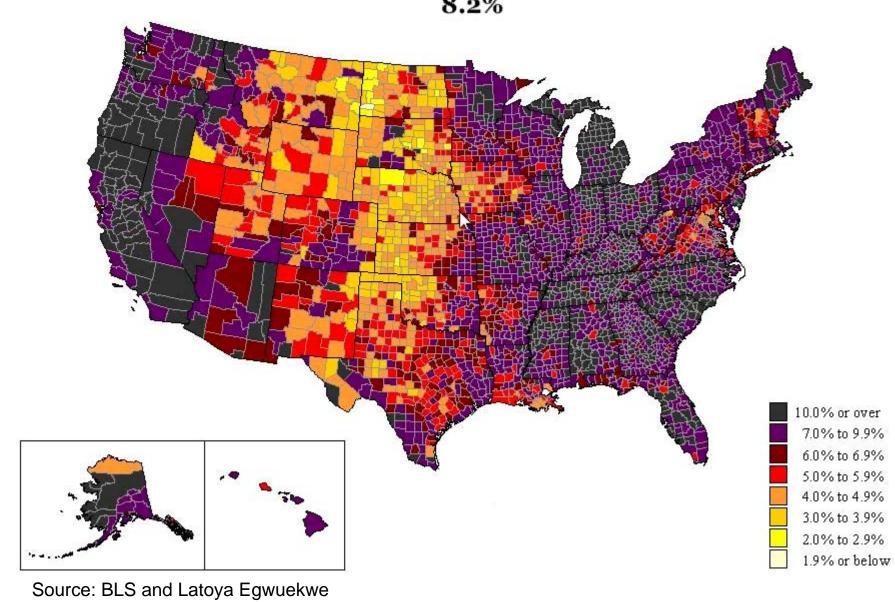


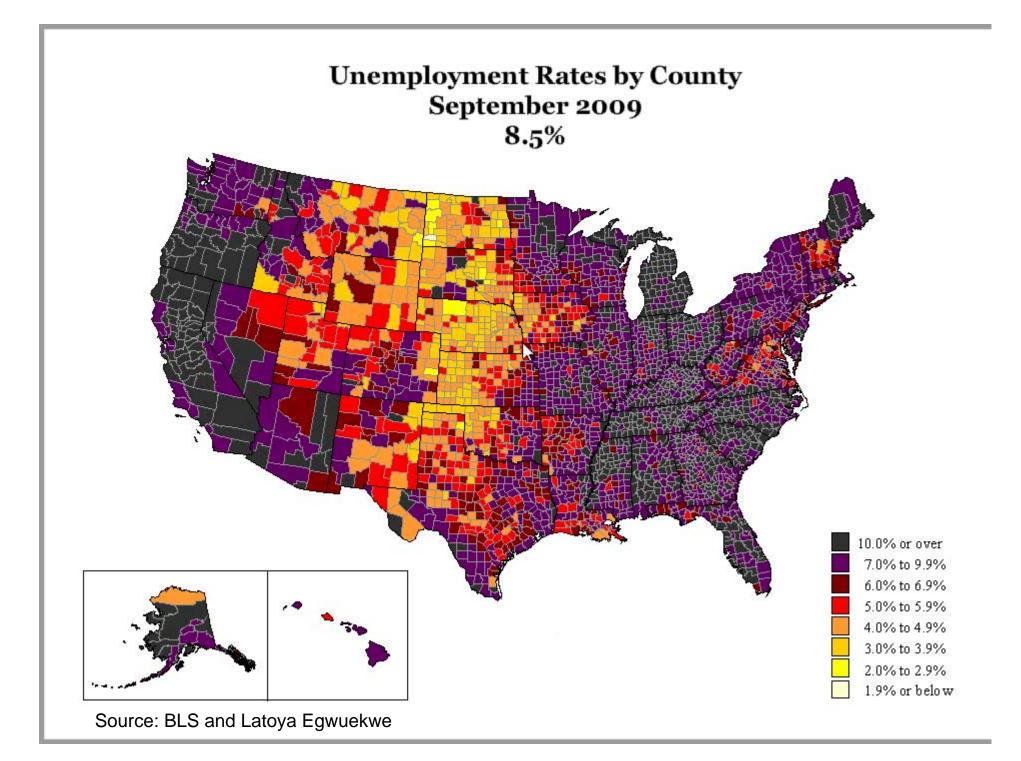


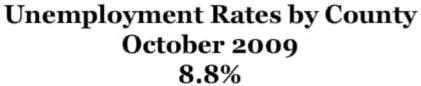


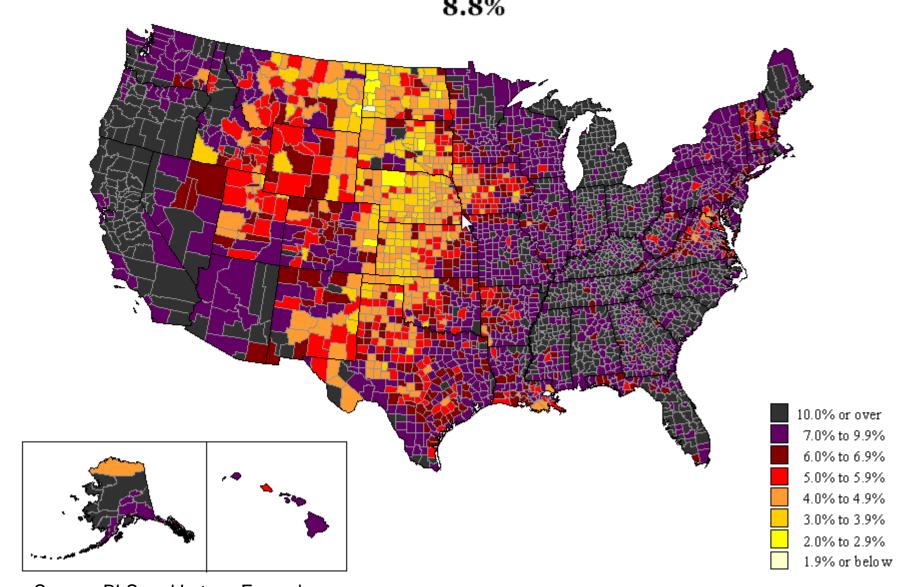
1.9% or below



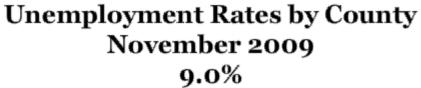


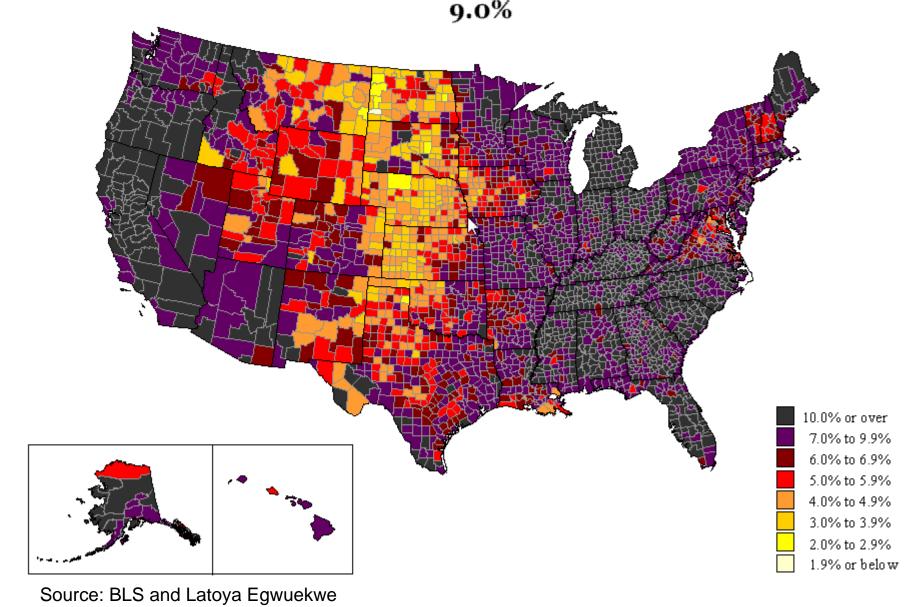


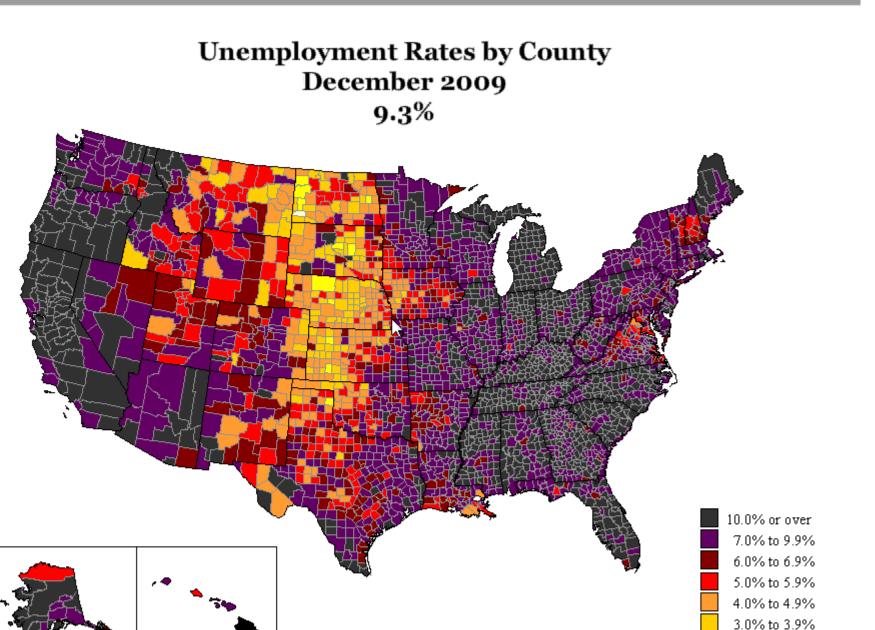




Source: BLS and Latoya Egwuekwe



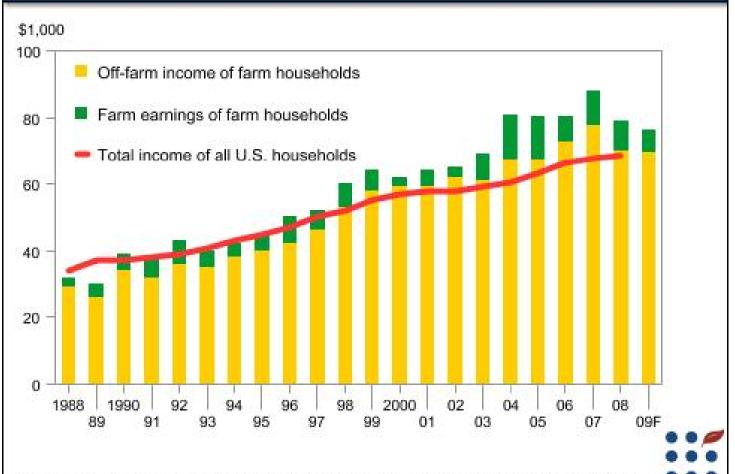




2.0% to 2.9% 1.9% or below

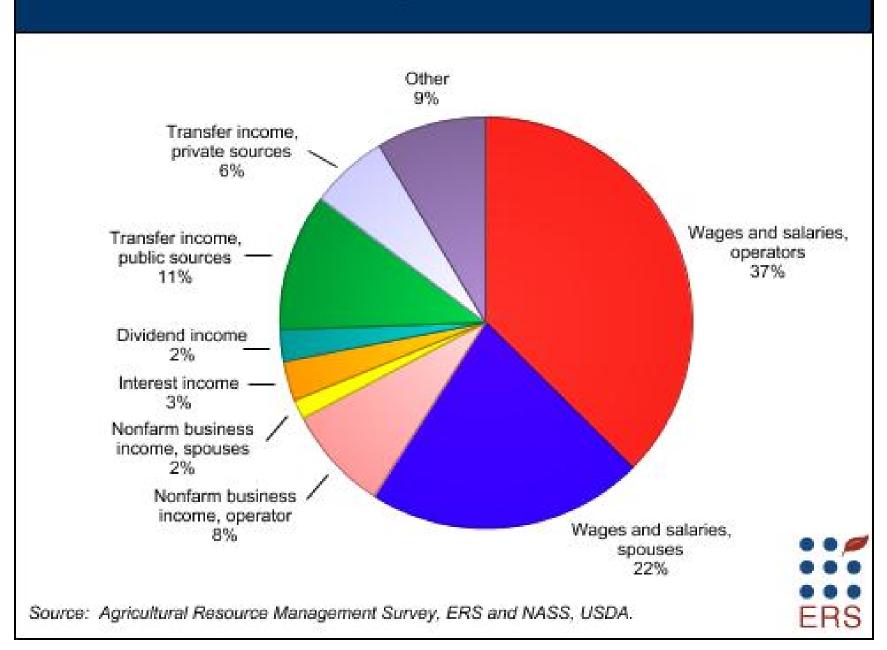
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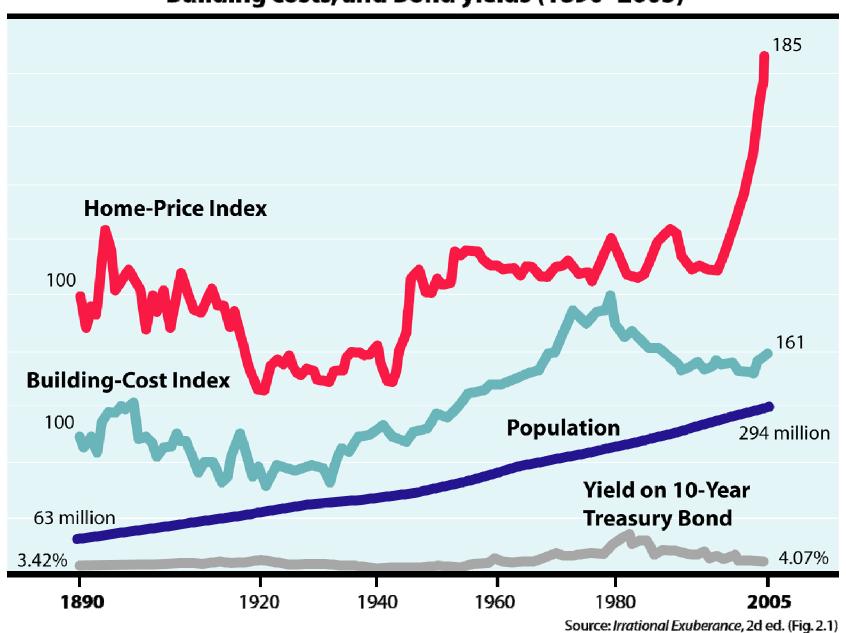


Source: Agricultural Resource Management Survey, ERS and NASS, USDA and the Current Population Survey, U.S. Bureau of the Census.





Inflation-adjusted U.S. home prices, Population, Building costs, and Bond yields (1890–2005)

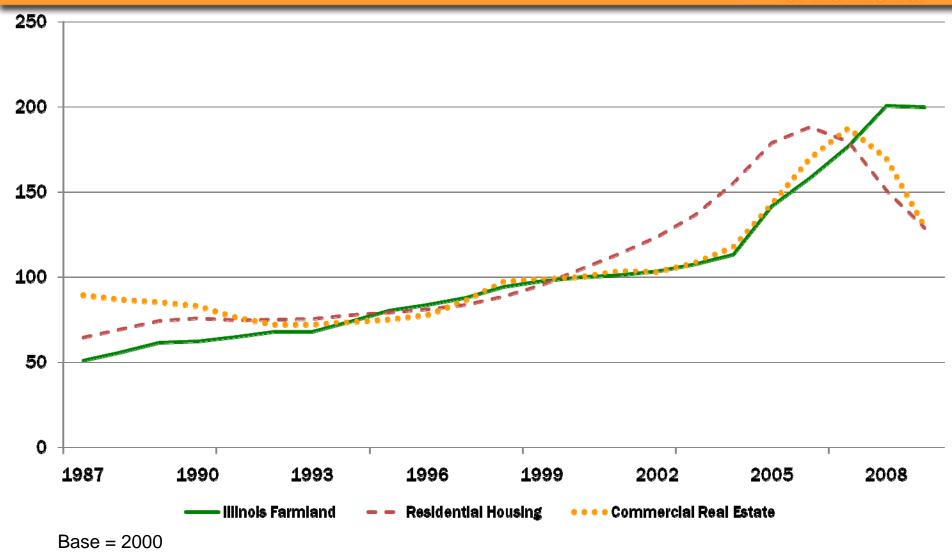


Commercial,

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Residential and Farm Real Estate Prices

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Farmland prices



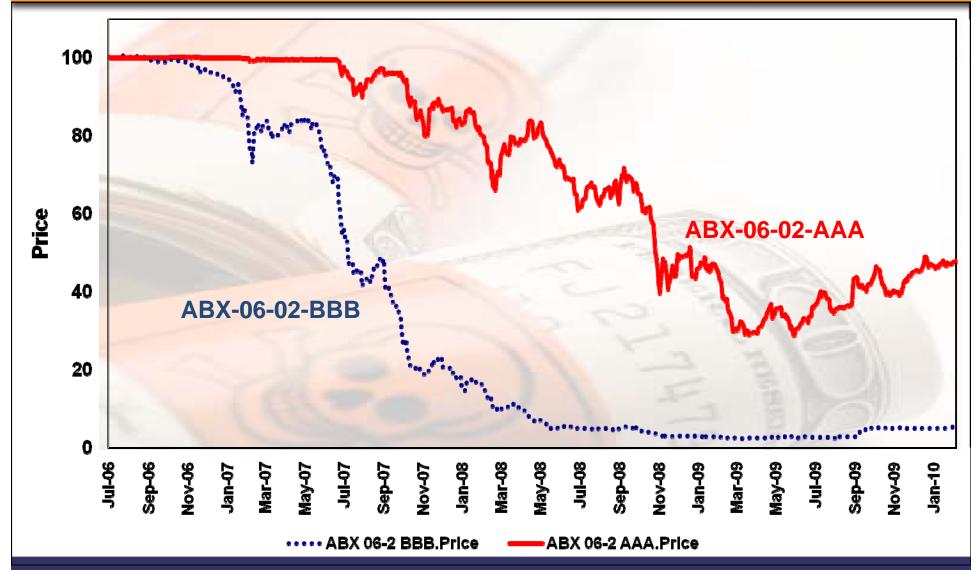
		Case Shiller		Midwest
		House Price	Chicago House	Farmland
	Dow Index	Index/Year	Price Index	Total Return
1999-2008	1.10%	5.89%	3.00%	12.70%
2007	6.20%	-10.30%	-4.70%	16.20%
2008	-45.50%	-21.40%	-15.40%	18.90%
2009 to Dec	11.98%	0.41%	1.01%	-0.50%

Price of Legacy/Toxic

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Securities

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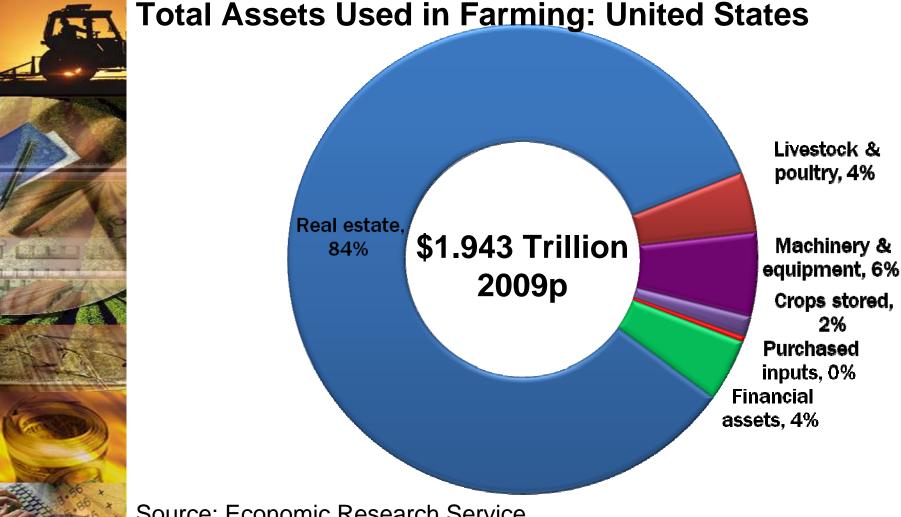


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Significance of Farmland



Total Assets Used in Farming: United States



Source: Economic Research Service

Current Economic Drivers

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Farmland Prices

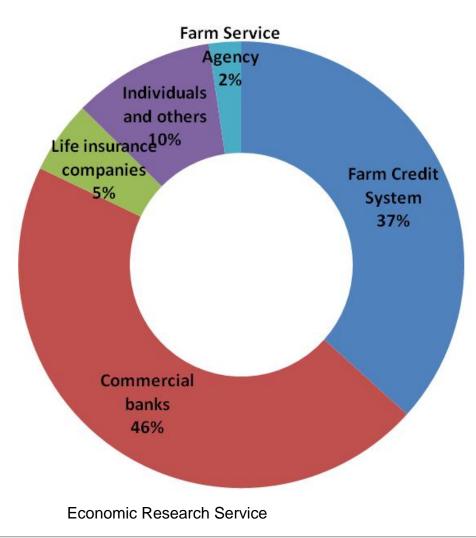
- Net returns to land
 - > Level
 - **≻** Volatility
- Energy prices
- Interest / inflation rates
- Housing crisis
- Scope & economic situation of buyers
- Demand for recreational land
- Capital gains tax rates



Total Farm Debt







\$239 Billion 2008

\$249 Billion 2009p

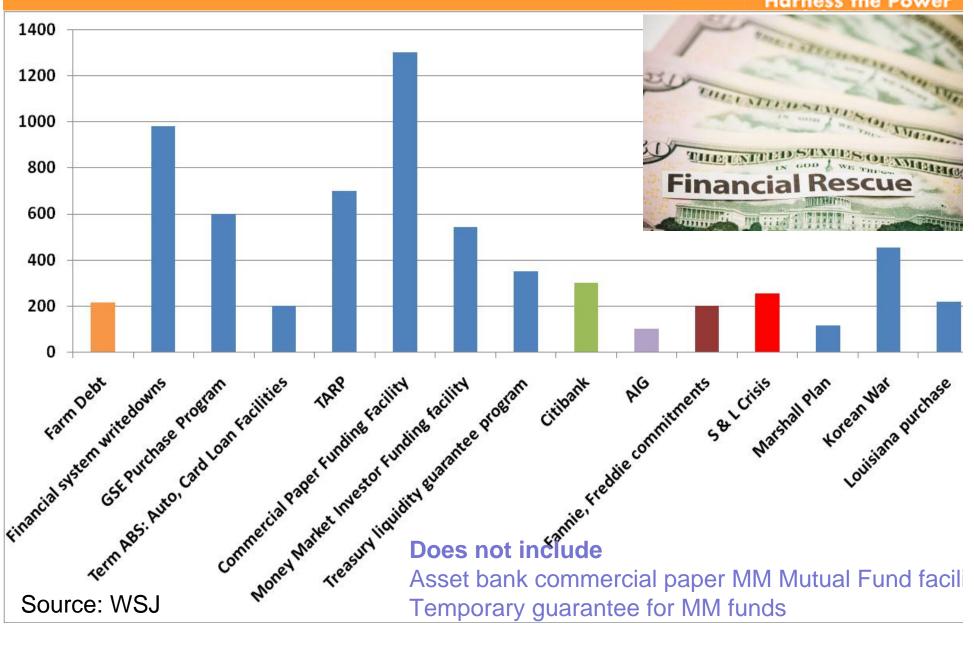
\$233 Billion 2010f

Does not include other sectors of the supply chain

Perspective of \$250 Billion



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Individual Lenders in Production Agriculture



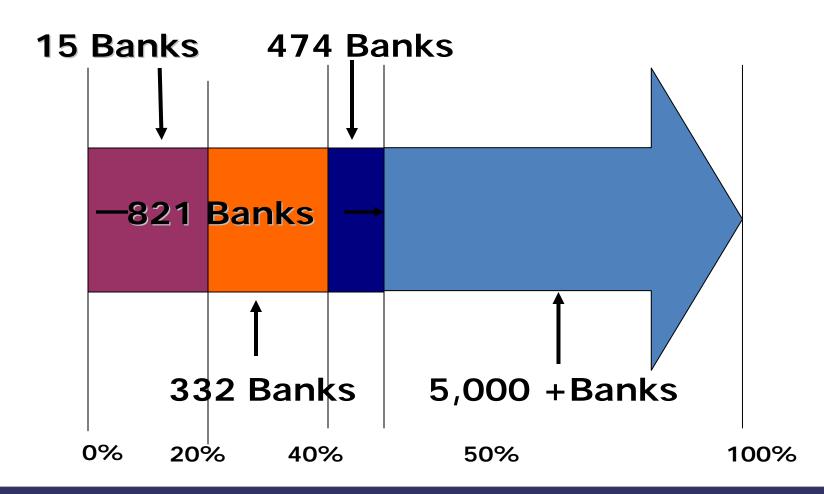






How Many Banks Does It Take? % of Commercial Bank Loans to Agriculture



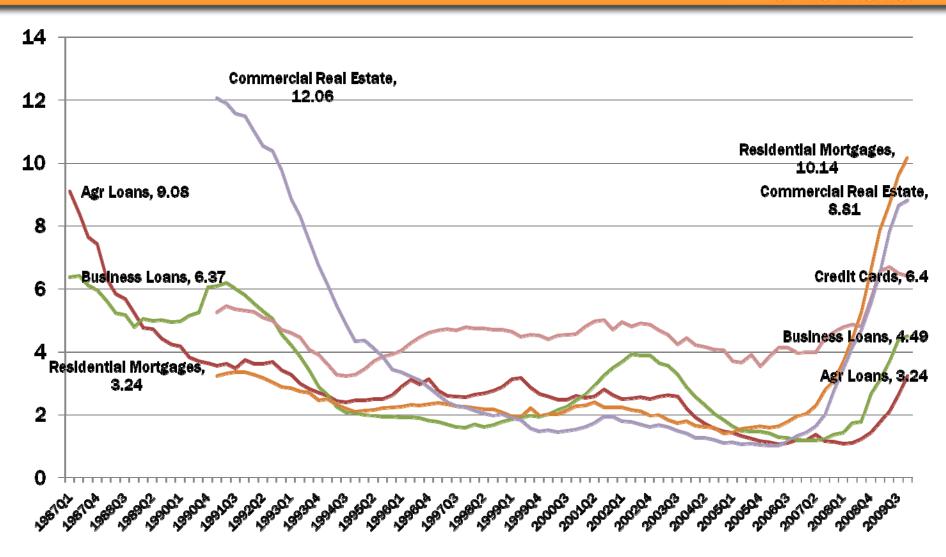


		Lo	oans Secured				
			by RE	Pr	oduction Loans	Т	otal Ag Loans
1	Wells Fargo Bank, NA	\$	2,597,000	\$	5,972,000	\$	8,569,000
2	Bank of America, NA		1,815,530		1,511,970		3,327,500
3	Bank of the West		987,753		1,978,060		2,965,813
4	Rabobank, NA		1,527,271		562,229		2,089,500
5	U.S. Bank NA		744,309		1,042,911		1,787,220
6	M&I Marshall and Ilsley Bank		761,496		450,166		1,211,662
7	Regions Bank		733,065		303,174		1,036,239
8	Wachovia Bank, NA		378,000		448,000		826,000
9	Citibank, NA		16,000		799,000		815,000
10	KeyBank NA		214,206		529,294		743,500
11	Great Western Bank		285,153		442,300		727,453
12	First National Bank of Omaha		69,907		649,497		719,404
13	Citizens Business Bank		204,298		424,653		628,951
14	Pinnacle Bank		213,531		322,075		535,606
15	Fulton Bank, NA		399,579		135,466		535,045
		\$	10,947,098	\$	15,570,795	\$	26,517,893
	Proportion of all banks		16%		26%		21%

Delinquency Rates Commercial Banks



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Banks Initially Participating in TARP



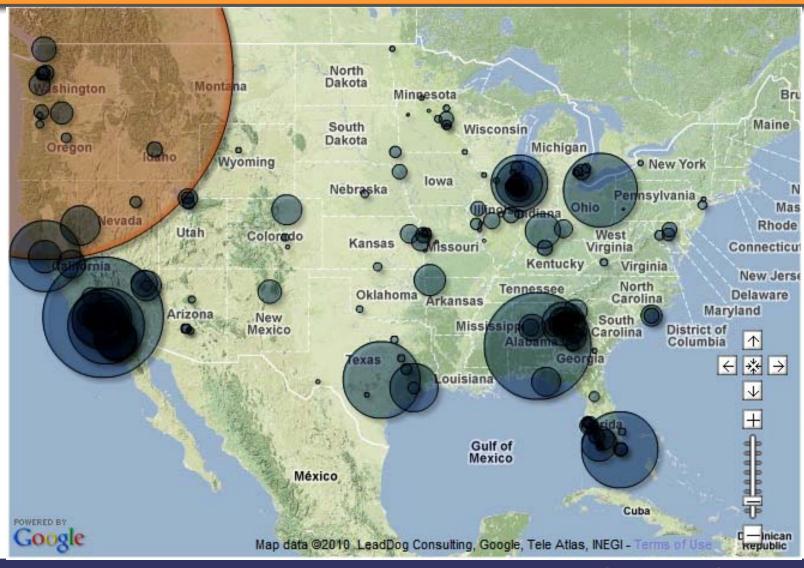
- 400 Firms (530 Banks)
- 6% of banks lending to Agriculture
- 24% of Agricultural Volume
- 0.09% ROA TARP Banks
- 0.42% ROA NonTARP Banks

185 Bank Failures

Since 1/2008



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Source: WSJ

162 Bank Failures: 2009-present



	Secured by Farm Real Estate	Ag Production	Total Ag Loans
Ag Loan Volume (\$ billion) \$ Number of banks with	1.30	\$ 0.89	\$ 2.19
volume	103	60	106
Percent of total bank volume	1.06%	1.51%	1.20%

Agricultural Banks



	2007	2008	2009
Return on assets	1.20%	1.00%	0.83%
Core Capital/Total Assets	10.31%	9.99%	9.96%
Percent all loans noncurrent	1.05%	1.43%	1.83%

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Summary: Commercial Banks Lending to Agr.



- 702 on FDIC problem list
- Availability of credit
- Unemployment impacts
- Construction and Development Loans
- Community Banks
 - Less benefit from maturity spreads
 - Interest rate risk exposure
 - FDIC premium costs
 - Additional provisions

Farm Credit System



- Bond markets have stabilized
- \$2.850 Billion Income 2009
- Capital / Assets grew to 13.9%
- Nonaccrual loans increase \$1.087 billion2.14% from 1.50%
- Exposure to dairy, protein and ethanol

Farmer Mac

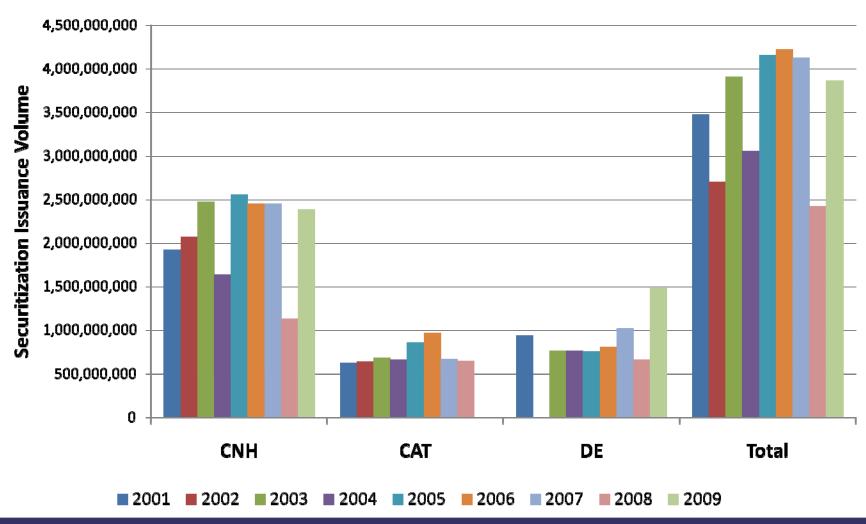


- Repay 2008 emergency capital infusion
- Capital surplus \$126 million Q3 2009Up \$100 million
- Currently has largest capital surplus in history
- Ethanol losses and exposure
- Benefits from expanded authorities of rural utilities

Captive Finance Securitization rebound



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- In general, health lenders to agriculture remains adequate
- Nonagricultural income and unemployment large issue

 Profit margins narrowing and risks increasing
 More winners – more losers

Challenges: Producer Risk Pipeline



- Commodity price risks
- Input price risks
- Cash rent
- Interest rate risks
- Counterparty risks



Pushed back to producer