Perspectives on the Kansas Economy and Dynamic Budget Scoring

Discussion before the Senate Commerce Committee

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Two Unifying Themes:

Density

To a significant degree, the patterns of population change in the Great Plains might be best characterized as a long-run economic adjustment rather than decline. A key pattern in the Plains is one of urbanization (or regionalization). Many of the regionalization patterns a in the Plains became apparent by the 1930s.

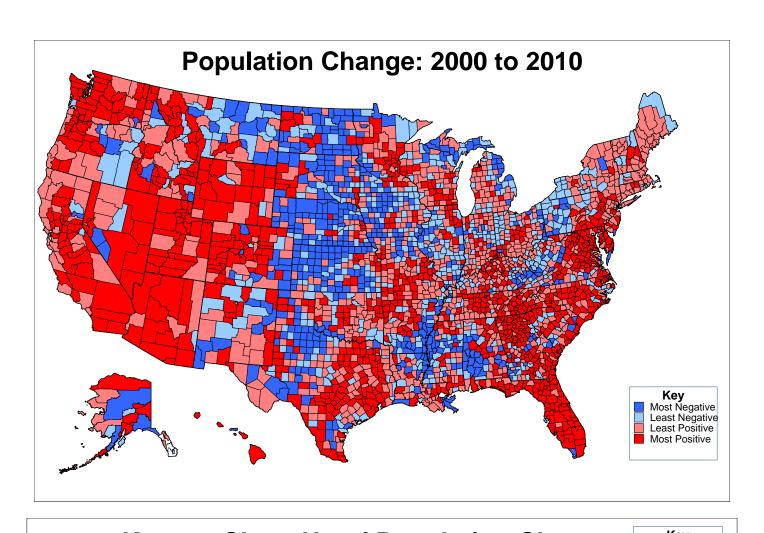
Productivity growth tends to happen in geographic areas characterized by greater population density. Productivity growth is the ultimate goal of economic development. Productivity growth is the key driver of higher per-worker payroll.

Dynamism

Dynamism, in an economic development context, implies that growth and change go together as multi-causal elements of the development process. Productivity enhancement must take place on the frontlines of individual businesses through risky investments and a complex process of trial and error. That process creates both successes and failures. The failure, though unfortunate, represent a vital part of the evolutionary process related to sustainable economic development (and productivity growth).

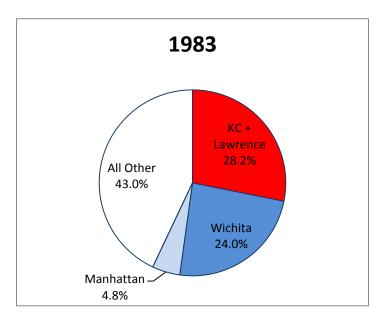
Dynamism as a policy goal means creating the conditions necessary to induce as much commercial experimentation as possible on Kansas soil. The policy challenge centers on establishing a business environment that induces business births and expansions without bias related to the size or type of business. Every business matters. The portfolio of policies should work well across all Kansas's regional economies, regardless of their development stage. In brief, state-level policies should:

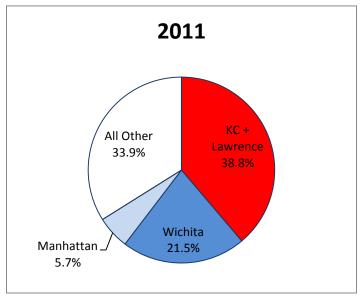
- 1) Treat all business and investment opportunities equally.
- 2) Facilitate business development in the unique context of the regional economy.
- 3) Embrace rather than impede the continuing patterns of structural change.

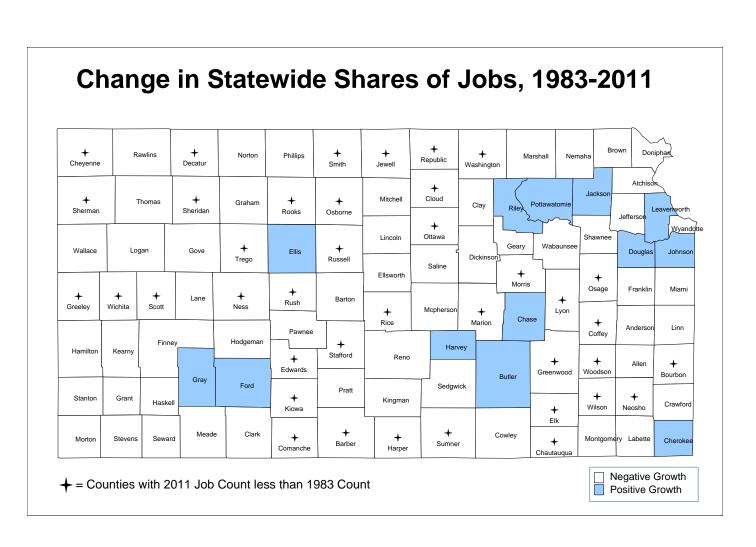


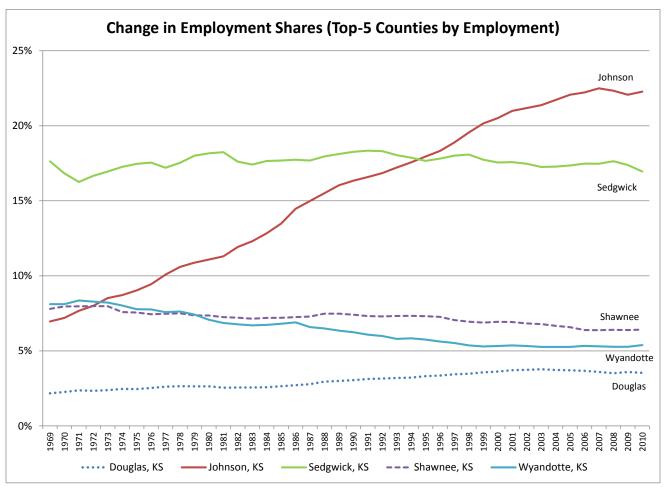
Kansas Close-Up of Population Change Key Most Negative Least Negative **Break Points (Medians) = -4.67% & 7.6%** Least Positive Most Positive Brown -6.9% Donipha Washington -10.6% Norton Jewell -18.8% -3.7% -13.9% Atchiso 0.9% Mitchell Sheridan -9.1% Graham -11.8% Thomas Clay 6.4% -8.1% -3.3% Ottawa Lincoln -1.2% -9.4% Wabaunsee Russell Ellis Dickinson Ellsworth 3.7% Morris -0.4% -3.0% Franklin Rush -6.9% Barton Mcpherson Rice -6.3% Coffey Anderson Linn -0.1% Finney Hodgema -8.1% -3.6% Harvey Hamilton -0.4% Bourbon -12.8% -12.6% -7.0% Butler 10.8% -1.3% Gray Ford Pratt Grant Stanton -7.1% Kiowa -22.1% Kingman -9.4% Neosho Haskell 0.1% -1.0% 2.3% -11.6% Meade -1.2% Barber Sumner -7.0% Cherokee -7.5% 4.8% 2.0% -2.2%

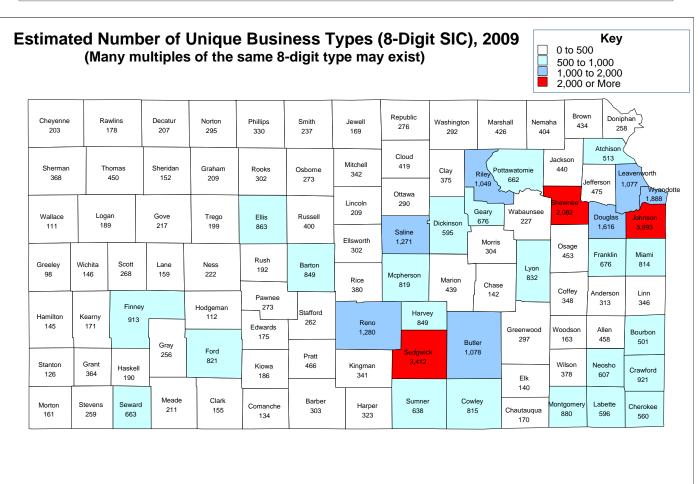
Shifting Geographic Share of Statewide Payroll

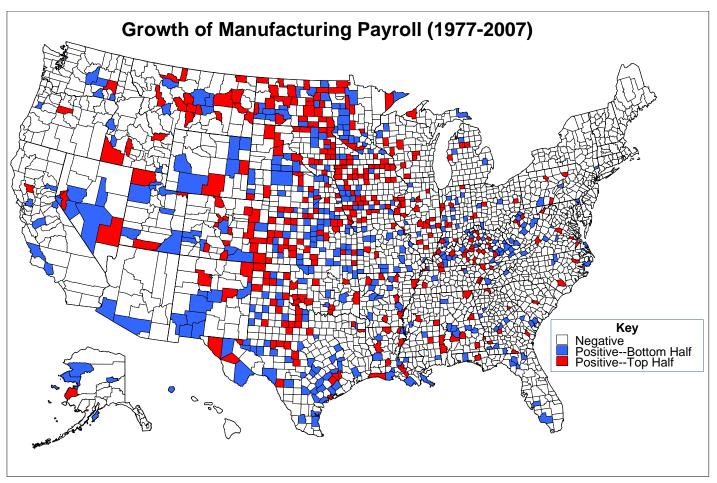


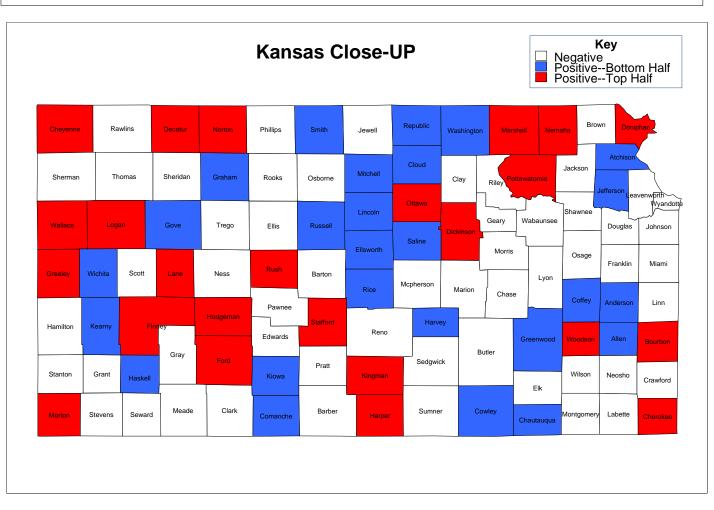


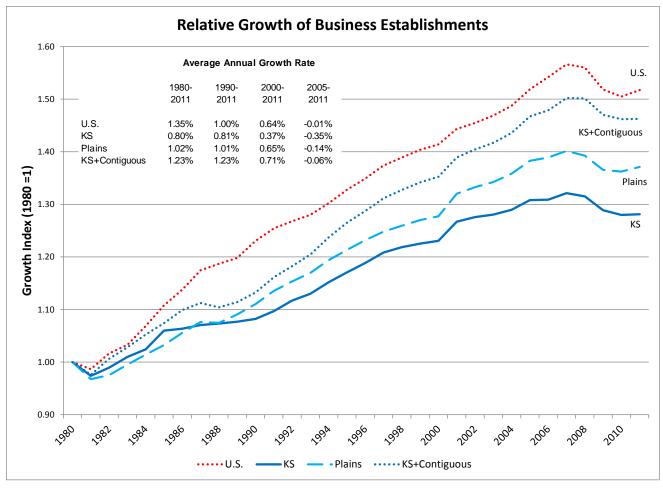




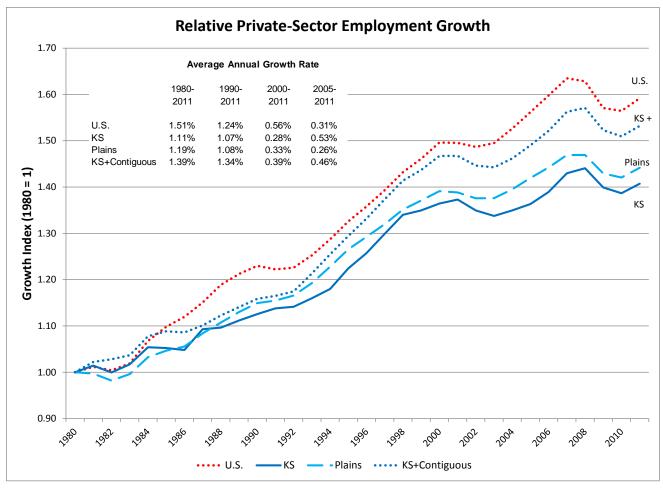




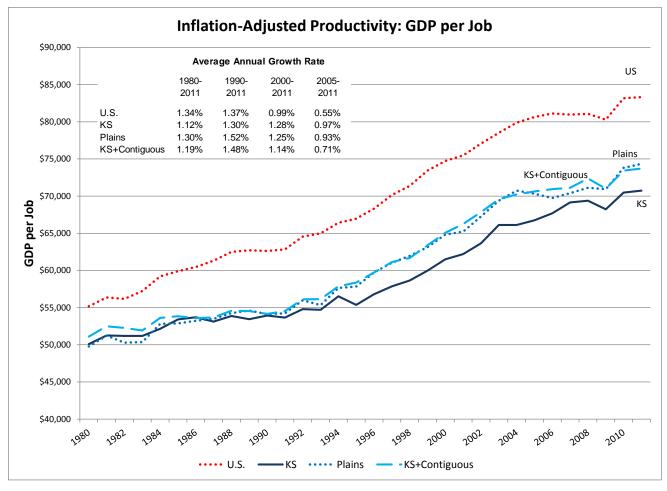


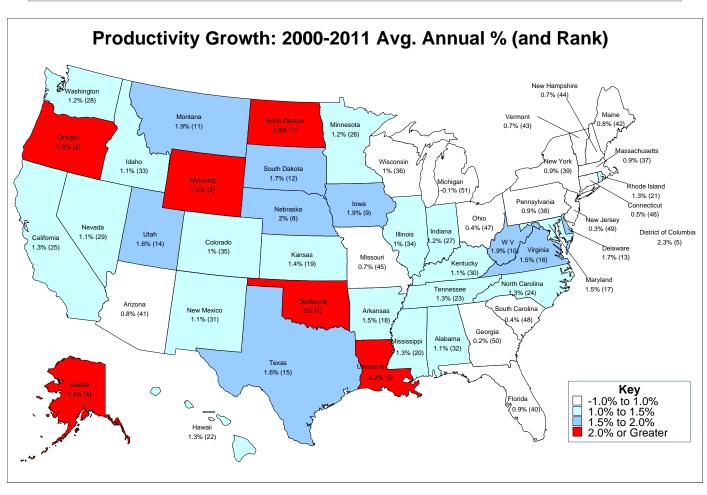


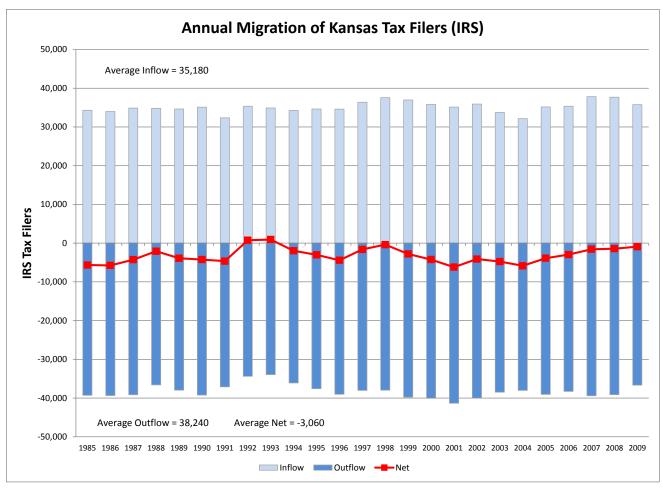


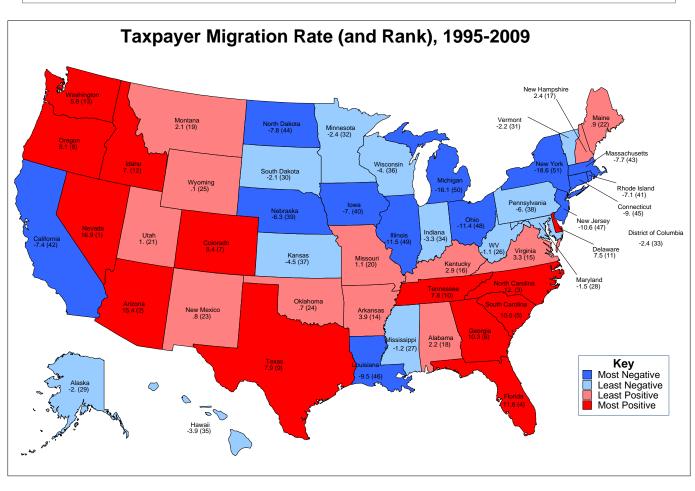


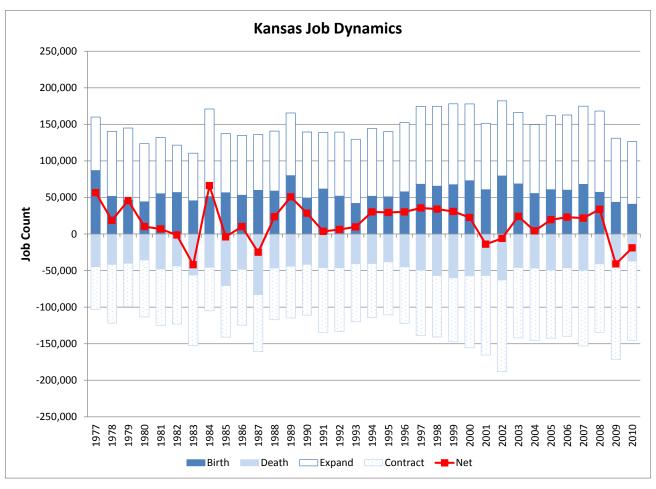




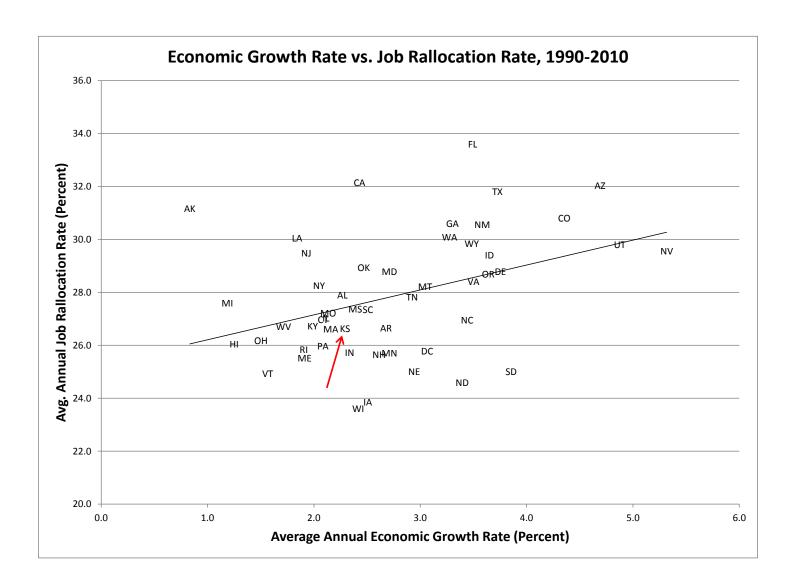


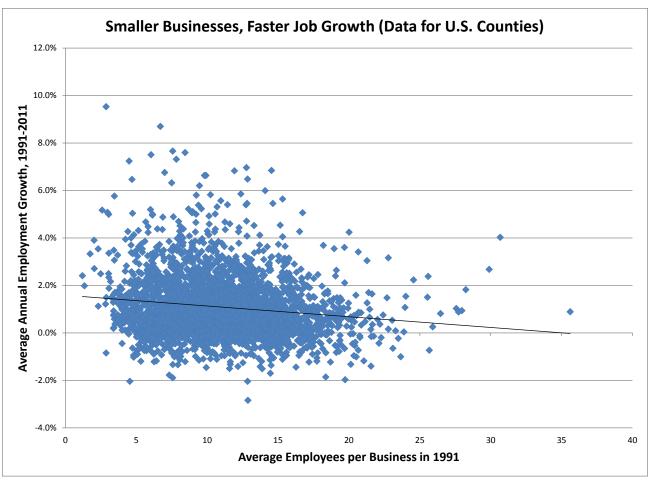


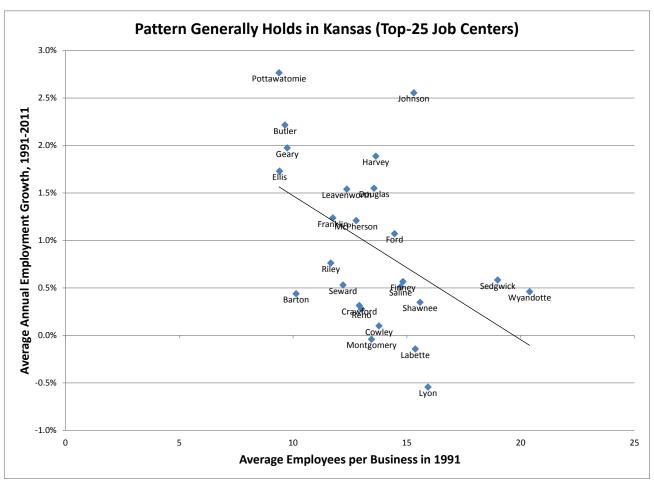




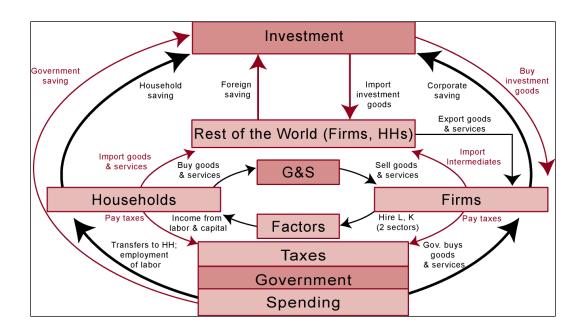
														Net Job Creation
													Total	
	Age of Business Establishment in Years												Net Job	without
	0	1	2	3	4	5	6-10	11-15	16-20	21-25	26+	Left Censored	Creation	Age Zero
1977	86,863											-30,277	56,586	-30,27
1978	48,555	-28,356										-1,605	18,594	-29,96
1979	42,121	-1,532	-2,787									7,919	45,721	3,60
1980	40,857	-3,840	-1,423	-4,801								-20,623	10,170	-30,68
1981	48,538	-3,755	7,714	-6,224	-4,387							-34,979	6,907	-41,63
1982	48,289	-3,734	-3,911	-1,233	-4,262	-2,974						-33,640	-1,465	-49,75
1983	40,974	-4,107	-4,873	-4,039	-16,477	-4,111	-3,497					-45,934	-42,064	-83,03
1984	46,854	-4,759	-2,514	1,638	-600	-1,601	20,731					6,332	66,081	19,22
1985	47,429	-535	-3,798	-3,059	-3,472	-1,417	-27,318					-11,651	-3,821	-51,25
1986	47,317	-7,541	-5,049	-2,141	-2,045	-1,285	-6,466					-12,587	10,203	-37,114
1987	55,129	-5,123	-4,911	-4,728	-3,861	-3,206	-9,623					-48,593	-24,916	-80,04
1988	52,567	-956	-2,853	-1,738	-1,209	-1,676	-7,035	37				-13,502	23,635	-28,93
1989	71,253	-2,495	-4,587	-1,553	-2,653	-518	-2,801	-1,914				-3,996	50,736	-20,51
1990	43,994	903	-1,487	-3,281	-3,036	-1,625	-6,207	183				-966	28,478	-15,51
1991	54,582	-1,269	-5,040	-3,283	-5,994	-2,594	-8,019	-5,932				-18,740	3,711	-50,87
1992	46,098	-4,877	-4,770	-3,113	-1,740	-632	-8,372	-4,663				-11,777	6,154	-39,94
1993	37,775	-2,324	-4,042	-1,549	-4,406	-2,688	-5,665	-1,440	188			-6,079	9,770	-28,00
1994	45,318	-522	-797	-296	-528	-6,496	-4,885	-1,580	-537			567	30,244	-15,07
1995	46,141	430	-2,562	-2,488	-937	-398	-6,140	-1,472	-920			-2,170	29,484	-16,65
1996	51,365	2,084	-2,580	-1,232	-804	-172	-6,087	-4,494	-4,657			-3,179	30,244	-21,12
1997	63,635	-3,868	-3,068	-3,885	-1,729	-2,442	-3,348	-3,035	-2,971			-3,702	35,587	-28,04
1998	59,325	429	-2,835	-3,045	-3,626	-1,077	-625	-2,231	-4,120	118		-8,227	34,086	-25,23
1999	63,649	1,682	-3,939	-2,654	-2,113	-1,780	-9,313	-3,976	-1,696	-3,604		-5,502	30,754	-32,89
2000	67,130	-4,317	-1,253	-3,597	-3,090	-1,923	-8,060	-15,657	-1,608	-2,520		-2,479	22,626	-44,50
2001	54,827	-5,618	-6,762	-4,254	-5,890	-3,173	-11,497	-6,622	-9,321	-2,401		-13,289	-14,000	-68,82
2002	74,474	-3,773	-7,768	-4,717	-7,389	-2,646	-11,680	-16,774	-7,208	-5,926		-12,603	-6,010	-80,48
2003	63,712	-5,964	-1,788	-2,224	-2,901	-4,420	-6,341	-1,325	-3,644	-974	-499	-9,392	24,240	-39,47
2004	50,990	-1,374	-5,173	-2,309	-3,365	-2,640	-10,915	-5,193	-5,023	-2,942	-1,383	-6,344	4,329	-46,66
2005	53,233	-1,480	-13,173	-3,409	-3,990	-1,922	3,010	-3,780	-2,251	-2,382	-325	-4,042	19,489	-33,74
2006	56,417	-1,149	-1,283	680	1,141	-634	-7,463	-7,307	-7,313	-1,481	-2,300	-6,276	23,032	-33,38
2007	62,925	-3,354	-2,898	-1,584	-1,408	-3,440	-7,131	-7,201	-4,442	-2,260	-1,898	-5,573	21,736	-41,18
2008	42,562	-9,059	8,597	-3,189	111	-1,209	-5,040	111	366	-3,500	-287	4,382	33,845	-8,71
2009	39,906	-5,525	-3,822	-15,921	-4,860	-6,001	-10,233	-4,712	-7,199	-5,302	-5,051	-12,190	-40,910	-80,81
2010	37,104	-1,074	-1,257	-4,976	-2,073	-2,524	-8,890	-6,978	-6,677	-3,069	-5,953	-12,564	-18,931	-56,03







Comments on "Dynamic Scoring" of Proposed Legislation



- Dynamic scoring results from using a computer program to handle the array of potential interactions that may result from a change in public policy. By necessity, the computer program must model the change process based on a variety of assumptions and simplifications. Any such model would need to treat Kansas as a small, open economy—meaning that people and capital are free to flow in and out based on the relative attractiveness of Kansas as an economic platform relative to other places in the world. As all of the evidence above suggests, the process is complicated, highly variable, and covers significant amounts of time.
- The schematic above represents one way to visualize the interactive elements of a computer model. Every arrow embodies a variety of (research-based) analytical assumptions about how the world works. Not all computer models of economies are built the same. Different models have differing approaches to the mechanisms of economic change. All of them, by necessity, assume the (statistical) outcomes of the past will be the outcomes of the future.
- Opinion: Computer models are useful tools for doing "what if" analysis to compare different policy proposals. They are useful simulation tools—not forecasting tools. Economists have no claim to being better forecasters of the future than anyone else.
- From a budget scoring perspective, especially at the state level (because of balanced budget requirements), the most challenging aspect of dynamic scoring is timing. The outcome of economic research is often compelling enough to be able to "predict" the general direction of economic change—but not the specifics, especially as the specifics relate to timing. (For example, it will be hot in July but what will be the temperature on July 4th?)
- Opinion: So-called "static" scoring is the more conservative approach to budgeting. Dynamic analysis is a legitimate method/tool to assist with decision-making about the desirability of potential outcomes related to policy changes. But the budgeting of such changes on a static basis is the more fiscally conservative approach.