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Table 3A.1. Logit regression estimates of effects on likelihood of unemployment, basic monthly CPS 2006–2009.

	Model with Year Dummies		Model with Year*Month Dummies	
	β	SE	β	SE
Male	.306*	(.013)	.306*	(.013)
Race				
Black	.811*	(.026)	.811*	(.026)
Asian	-.251*	(.058)	-.252*	(.058)
Other	.610*	(.075)	.611*	(.075)
hispanic	.423*	(.025)	.423*	(.025)
Age				
Age 25-54	-.808*	(.012)	-.808*	(.012)
Age 55+	-.933*	(.015)	-.933*	(.015)
Parental Status				
Parent	.127*	(.009)	.127*	(.009)
Region				
Midwest	-.158*	(.011)	-.158*	(.011)
South	.018	(.013)	.017	(.013)
West	.248*	(.025)	.250*	(.025)
Education				
Some College / Vocational	-.417*	(.018)	-.418*	(.018)
College +	-.747*	(.020)	-.748*	(.020)
Race*Gender				
Black Male	.056*	(.016)	.056*	(.016)
Asian Male	.022	(.032)	.021	(.032)
Other Race Male	-.004	(.035)	-.004	(.035)
Hispanic Male	-.184*	(.016)	-.184*	(.016)
Race*Education				
Black*Education				
Black Vocational	-.059*	(.018)	-.059*	(.018)
Black College or more	-.148*	(.025)	-.149*	(.025)
Asian*Education				
Asian Vocational	.259*	(.044)	.259*	(.044)
Asian College or more	.397*	(.037)	.397*	(.037)
Other Race*Education				
Other Race Vocational	-.071	(.040)	-.071	(.040)
Other Race College or more	-.379*	(.062)	-.381*	(.062)
Hispanic*Education				
Hispanic Vocational	.034	(.020)	.034	(.020)
Hispanic College or more	.054	(.029)	.054	(.029)
Race*Age				
Black*Age				
Black ages 25-54	-.144*	(.018)	-.144*	(.018)
Black ages 55+	-.418*	(.028)	-.419*	(.028)
Asian*Age				
Asian ages 25-54	.036	(.042)	.037	(.042)
Asian ages 55+	.180*	(.056)	.180*	(.056)
Othe Racer*Age				
Other Race ages 25-54	.085*	(.039)	.084*	(.039)
Other Race ages 55+	-.123	(.064)	-.127*	(.064)
Hispanic*Age				
Hispanic ages 25-54	.057*	(.017)	.057*	(.017)
Hispanics ages 55+	.086*	(.029)	.085*	(.029)

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(Continued)	Model with Year Dummies		Model with Year*Month Dummies	
	β	SE	β	SE
Race*Region				
Black*Region				
Black Midwest	.248*	(.025)	.25*	(.025)
Black South	-.263*	(.019)	-.265*	(.019)
Black West	-.238*	(.028)	-.239*	(.028)
Asian*Region				
Asian Midwest	.123*	(.054)	.123*	(.054)
Asian South	-.235*	(.054)	-.234*	(.054)
Asian West	-.191*	(.046)	-.191*	(.046)
Other Race*Region				
Other Race Midwest	.028	(.075)	.027	(.075)
Other Race South	-.220*	(.052)	-.217*	(.052)
Other Race West	-.301*	(.046)	-.301*	(.046)
Hispanic*Region				
Hispanic Midwest	-.181*	(.029)	-.182*	(.029)
Hispanic South	-.106*	(.026)	-.106*	(.026)
Hispanic West	.054*	(.025)	.054*	(.025)
Gender*Parental				
Male Parent	-.554*	(.013)	-.554*	(.013)
Gender*Education				
Male Vocational	-.019	(.013)	-.019	(.013)
Male College or more	-.094*	(.016)	-.094*	(.016)
Gender*Age				
Male ages 25-54	.033*	(.014)	.033*	(.014)
Male ages 55+	-.086*	(.018)	-.087*	(.018)
Region*Education				
Midwest-Education				
Midwest Vocational	-.099*	(.020)	-.099*	(.020)
Midwest College or more	-.216*	(.024)	-.216*	(.024)
South-Education				
South Vocational	.031	(.017)	.031	(.017)
South College or more	.055*	(.022)	.055*	(.022)
West-Education				
West Vocational	.024	(.019)	.025	(.019)
West College or more	.165*	(.023)	.166*	(.023)
N	3,337,647		3,337,647	

Source: Basic Monthly Current Population Surveys (CPS), January 2006–December 2009.
Note: Standard errors in parentheses. * $p < 0.05$

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Table 3A.2. Logit regression estimates of effects on likelihood of unemployment, by year, basic monthly CPS 2006–2009.

	2006		2007		2008		2009		Segnificant Differences Across Years
	β	SE	β	SE	β	SE	β	SE	
Male	.228*	(.027)	.259*	(.027)	.298*	(.026)	.399*	(.022)	2006-2009, 2007-2009, 2008-2009
Race									
Black	.859*	(.053)	.699*	(.057)	.725*	(.051)	.845*	(.045)	2006-2007, 2006-2008, 2007-2008, 2008-2009
Asian	-.234	(.129)	-.251	(.131)	-.370*	(.123)	-.157	(.095)	
Other	.841*	(.147)	.520*	(.165)	.645*	(.149)	.416*	(.134)	
hispanic	.423*	(.056)	.400*	(.056)	.422*	(.051)	.474*	(.043)	
Age									
Age 25-54	-.880*	(.025)	-.869*	(.025)	-.863*	(.023)	-.677*	(.020)	2006-2009, 2007-2009, 2008-2009
Age 55+	-1.031*	(.034)	-1.004*	(.033)	-1.003*	(.031)	-.770*	(.025)	2006-2009, 2007-2009, 2008-2009
Parental Status									
Parent	.168*	(.020)	.125*	(.021)	.129*	(.019)	.098*	(.016)	2006-2009
Region									
Midwest	.098*	(.028)	.136*	(.028)	.115*	(.026)	.201*	(.022)	2008-2009
South	-.204*	(.025)	-.275*	(.025)	-.140*	(.023)	-.075*	(.019)	2006-2008, 2006-2009. 2007-2008, 2007-2009, 2008-2009
West	-.05	(.028)	-.081*	(.028)	.058*	(.026)	.086*	(.021)	2006-2008, 2006-2009. 2007-2008, 2007-2008
Education									
Some College / Vocational	-.372*	(.040)	-.456*	(.040)	-.481*	(.037)	-.355*	(.030)	2006-2007, 2007-2009
College +	-.766*	(.044)	-.884*	(.046)	-.751*	(.041)	-.638*	(.032)	2007-2009
Race*Gender									
Black Male	.048	(.034)	.095*	(.034)	.079*	(.032)	.048	(.026)	2007-2009
Asian Male	.009	(.075)	-.05	(.075)	.115	(.067)	0	(.050)	2008-2009
Other Race Male	.093	(.074)	-.085	(.078)	.123	(.071)	-.083	(.062)	2006-2009, 2008-2009
Hispanic Male	-.227*	(.036)	-.200*	(.035)	-.140*	(.031)	-.204*	(.025)	2006-2008
Race*Education									
Black*Education									
Black Vocational	-.119*	(.040)	-.157*	(.041)	.013	(.037)	.004	(.031)	2006-2009, 2007-2008, 2007-2009
Black College or more	-.437*	(.060)	-.239*	(.059)	-.163*	(.052)	.061	(.040)	2006-2008, 2006-2008, 2007-2009, 2008-2009
Asian*Education									
Asian Vocational	.256*	(.099)	.421*	(.103)	.022	(.093)	.318*	(.069)	2007-2008, 2008-2009
Asian College or more	.230*	(.087)	.478*	(.087)	.242*	(.076)	.526*	(.058)	2006-2009, 2007-2009, 2008-2009
Other Race*Education									
Other Race Vocational	-.210*	(.086)	-.11	(.090)	.085	(.077)	-.069	(.069)	2006-2008, 2007-2008
Other Race College or more	-.687*	(.141)	-.361*	(.140)	-.568*	(.134)	-.119	(.099)	2006-2009
Hispanic*Education									
Hispanic Vocational	-.014	(.048)	.079	(.046)	.001	(.040)	.046	(.031)	
Hispanic College or more	-.078	(.072)	.005	(.069)	.066	(.059)	.119*	(.046)	2006-2009
Race*Age									
Black*Age									
Black ages 25-54	-.099*	(.037)	-.108*	(.038)	-.061	(.036)	-.211*	(.032)	2006-2009, 2007-2009, 2008-2009
Black ages 55+	-.429*	(.062)	-.440*	(.063)	-.147*	(.055)	-.553*	(.047)	2006-2008, 2007-2008, 2007-2009, 2008-2009
Asian*Age									
Asian ages 25-54	-.018	(.091)	.069	(.099)	.203*	(.090)	-.092	(.069)	2006-2008
Asian ages 55+	.07	(.135)	.251	(.131)	.411*	(.117)	.018	(.089)	2006-2007, 2006-2008, 2007-2009
Othe Racer*Age									
Other Race ages 25-54	.105	(.080)	.248*	(.085)	.158*	(.077)	-.062	(.072)	2006-2007, 2007-2009, 2008-2009
Other Race ages 55+	-.353*	(.142)	-.323*	(.157)	-.162	(.136)	.047	(.102)	2006-2009
Hispanic*Age									
Hispanic ages 25-54	.147*	(.038)	.107*	(.038)	.035	(.034)	-.026	(.028)	2006-2008, 2006-2009, 2007-2008, 2007-2009
Hispanics ages 55+	.055	(.074)	.197*	(.066)	.026	(.059)	.03	(.046)	

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(Continued)	2006		2007		2008		2009		Segnificant Differences Across Years
	β	SE	β	SE	β	SE	β	SE	
Race*Region									
Black*Region									
Black Midwest	.321*	(.054)	.373*	(.056)	.232*	(.051)	.144*	(.043)	2007-2009, 2008-2009
Black South	-.261*	(.042)	-.258*	(.042)	-.277*	(.039)	-.241*	(.033)	
Black West	-.278*	(.063)	-.185*	(.062)	-.19*	(.056)	-.271*	(.048)	
Asian*Region									
Asian Midwest	.360*	(.119)	-.235	(.134)	.184	(.110)	.123	(.086)	2006-2007, 2006-2008, 2007-2009
Asian South	-.576*	(.129)	-.06	(.141)	.204	(.109)	-.193*	(.085)	2006-2007, 2006-2008, 2006-2009
Asian West	-.406*	(.10)	.169	(.117)	-.339*	(.096)	-.155*	(.074)	2006-2007, 2006-2009, 2007-2008, 2007-2009
Other Race*Region									
Other Race Midwest	-.167	(.148)	.211	(.167)	-.142	(.150)	.219	(.132)	
Other Race South	-.407*	(.114)	-.275*	(.115)	-.08	(.103)	-.196*	(.090)	2006-2008, 2006-2009, 2007-2008, 2007-2009
Other Race West	-.203*	(.095)	-.408*	(.10)	-.348*	(.092)	-.26*	(.081)	
Hispanic*Region									
Hispanic Midwest	-.258*	(.067)	-.226*	(.066)	-.198*	(.060)	-.110*	(.048)	
Hispanic South	-.175*	(.061)	-.053	(.059)	-.04	(.053)	-.150*	(.042)	2006-2007, 2006-2008
Hispanic West	-.014	(.059)	.034	(.058)	.136*	(.052)	.032	(.041)	
Gender*Parental									
Male Parent	-.609*	(.030)	-.611*	(.030)	-.6*	(.027)	-.469*	(.022)	2006-2009, 2007-2009, 2008-2009
Gender*Education									
Male Vocational	-.06*	(.029)	-.035	(.030)	-.025	(.027)	-.011	(.021)	
Male College or more	-.006	(.037)	-.032	(.037)	-.116*	(.033)	-.171*	(.026)	
Gender*Age									
Male ages 25-54	-.037	(.029)	-.036	(.030)	.013	(.028)	.094*	(.023)	2006-2009, 2007-2009, 2008-2009
Male ages 55+	-.093*	(.042)	-.06	(.041)	-.126*	(.037)	-.096*	(.030)	
Region*Education									
Midwest-Education									
Midwest Vocational	-.206*	(.045)	-.115*	(.046)	-.011	(.042)	-.091*	(.034)	2006-2007, 2006-2008, 2006-2009
Midwest College or more	-.219*	(.054)	-.109*	(.055)	-.226*	(.049)	-.264*	(.038)	
South-Education									
South Vocational	.16*	(.039)	.135*	(.039)	-.022	(.035)	-.068*	(.028)	2006-2008, 2006-2009, 2007-2008, 2007-2009
South College or more	.083	(.050)	.114*	(.050)	.089*	(.045)	-.029	(.035)	
West-Education									
West Vocational	.099*	(.042)	.039	(.043)	-.031	(.038)	-.001	(.030)	2006-2008
West College or more	.301*	(.052)	.212*	(.052)	.148*	(.047)	.075*	(.037)	2006-2008, 2006-2009, 2007-2009
N	842,467		832,515		829,699		832,966		

Source: Basic Monthly Current Population Surveys (CPS), January 2006–December 2009.
Note: Standard errors in parentheses. * $p < 0.05$

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Table 3A.3. Logit regression estimates of effects on likelihood of unemployment by stage of business cycle, basic monthly CPS 1989–2009.

	No Recession		Recession	
	β	SE	β	SE
Male	.245*	.005	.327*	.011
Race				
Black	1.021*	.011	.872*	.022
Asian	.039	.025	-.102*	.048
Other	.617*	.030	.46*	.062
hispanic	.388*	.009	.484*	.026
Age				
Age 25-54	-.87*	.005	-.799*	.010
Age 55+	-1.131*	.008	-.988*	.014
Parental Status				
Parent	.143*	.004	.15*	.008
Region				
Midwest	-.125*	.005	-.046*	.011
South	.035*	.005	.023*	.010
West	.231*	.005	.19*	.010
Education				
Some College / Vocational	-.448*	.007	-.459*	.015
College +	-.741*	.009	-.741*	.017
Race*Gender				
Black Male	-.035*	.007	-.000	.014
Asian Male	.021	.015	-.028	.028
Other Race Male	.024	.015	.063*	.029
Hispanic Male	-.078*	.006	-.183*	.018
Race*Education				
Black*Education				
Black Vocational	.135*	.020	-.064*	.017
Black College or more	.221*	.019	-.115*	.024
Asian*Education				
Asian Vocational	.135*	.020	.211*	.037
Asian College or more	.221*	.019	.411*	.033
Other Race*Education				
Other Race Vocational	-.053*	.018	.019	.033
Other Race College or more	-.276*	.031	-.218*	.054
Hispanic*Education				
Hispanic Vocational	-.084*	.007	-.014	.024
Hispanic College or more	-.126*	.010	.105*	.033
Race*Age				
Black*Age				
Black ages 25-54	-.211*	.008	-.215*	.016
Black ages 55+	-.534*	.015	-.491*	.026
Asian*Age				
Asian ages 25-54	-.066*	.018	-.053	.035
Asian ages 55+	.162*	.028	.038	.050
Othe Racer*Age				
Other Race ages 25-54	.147*	.017	.066*	.032
Other Race ages 55+	-.136*	.034	-.103	.056
Hispanic*Age				
Hispanic ages 25-54	.010	.007	.087*	.020
Hispanics ages 55+	-.032*	.011	.163*	.036

(Continued)				
Race*Region				
Black*Region				
Black Midwest	.33*	.012	.368*	.023
Black South	-.351*	.010	-.348*	.018
Black West	-.349*	.013	-.377*	.025
Asian*Region				
Asian Midwest	.195*	.028	.204*	.050
Asian South	-.209*	.030	-.212*	.052
Asian West	-.315*	.025	-.342*	.044
Other Race*Region				
Other Race Midwest	.494*	.030	.364*	.062
Other Race South	-.566*	.023	-.414*	.045
Other Race West	-.562*	.019	-.471*	.036
Hispanic*Region				
Hispanic Midwest	-.189*	.009	-.007	.035
Hispanic South	.126*	.009	-.182*	.035
Hispanic West	.105*	.009	-.22*	.034
Gender*Parental				
Male Parent	-.51*	.005	-.497*	.011
Gender*Education				
Male Vocational	-.001	.006	.008	.012
Male College or more	-.06*	.007	-.109*	.014
Gender*Age				
Male ages 25-54	.035*	.006	.03*	.012
Male ages 55+	.029*	.009	-.063*	.017
Region*Education				
Midwest-Education				
Midwest Vocational	-.094*	.009	-.048*	.018
Midwest College or more	-.152*	.011	-.186*	.021
South-Education				
South Vocational	.051*	.008	.001	.016
South College or more	.005	.011	.009	.021
West-Education				
West Vocational	.032*	.008	.013	.016
West College or more	.107*	.011	.122*	.021
N	14,264,153		3,011,640	

Source: Basic Monthly Current Population Surveys (CPS), January 1989–December 2009.
Note: Standard errors in parentheses. * $p < 0.05$

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Table 3A.4. Logit regression estimates of effects on likelihood of unemployment by stage of business cycle, basic monthly CPS 1976–2009.

	No Recession		Recession	
	β	SE	β	SE
Male	.17*	.004	.237*	.007
Race				
Black	1.083*	.008	.986*	.016
Other (including Asian)	.296*	.021	.336*	.045
hispanic	.352*	.007	.526*	.02
Age				
Age 25-54	-.85*	.003	-.796*	.007
Age 55+	-1.23*	.006	-1.137*	.011
Parental Status				
Parent	.11*	.003	.049*	.006
Region				
Midwest	-.051*	.004	.026*	.007
South	-.041*	.003	-.093*	.007
West	.157*	.004	.073*	.007
Education				
Some College / Vocational	-.516*	.006	-.506*	.012
College +	-.76*	.007	-.726*	.013
Race*Gender				
Black Male	-.043*	.005	-.036*	.01
Other Race (including Asian) Male	.116*	.011	.059*	.021
Hispanic Male	-.05*	.005	-.187*	.014
Race*Education				
Black*Education				
Black Vocational	-.066*	.007	-.025	.013
Black College or more	-.285*	.011	-.109*	.02
Other Race (including Asian) *Education				
Other Race Vocational	-.044*	.013	-.02	.026
Other Race College or more	-.281*	.018	-.222*	.037
Hispanic*Education				
Hispanic Vocational	-.086*	.006	-.009	.02
Hispanic College or more	-.134*	.009	.077*	.029
Race*Age				
Black*Age				
Black ages 25-54	-.303*	.005	-.305*	.011
Black ages 55+	-.624*	.011	-.552*	.02
Othe Racer (including Asian) *Age				
Other Race ages 25-54	.129*	.011	.088*	.023
Other Race ages 55+	-.059*	.023	.005	.041
Hispanic*Age				
Hispanic ages 25-54	.007	.005	.061*	.015
Hispanics ages 55+	.049*	.01	.242*	.029

(Continued)

Race*Region				
Black*Region				
Black Midwest	.367*	0.008	.393*	0.017
Black South	-.358*	0.007	-.354*	0.013
Black West	-.345*	0.009	-.414*	0.019
Other Race (including Asian) *Region				
Other Race Midwest	.648*	0.022	.507*	0.046
Other Race South	-.499*	0.018	-.426*	0.036
Other Race West	-.587*	0.014	-.511*	0.027
Hispanic*Region				
Hispanic Midwest	-.254*	0.008	-.059*	0.027
Hispanic South	.188*	0.008	-.184*	0.027
Hispanic West	.179*	0.007	-.211*	0.026
Gender*Parental				
Male Parent	-.402*	0.004	-.396*	0.008
Gender*Education				
Male Vocational	.026*	0.005	.019*	0.009
Male College or more	-.104*	0.006	-.189*	0.012
Gender*Age				
Male ages 25-54	.014*	0.004	.043*	0.009
Male ages 55+	.074*	0.007	0.02	0.013
Region*Education				
Midwest-Education				
Midwest Vocational	-.103*	0.007	-.087*	0.014
Midwest College or more	-.185*	0.008	-.234*	0.017
South-Education				
South Vocational	.061*	0.006	.068*	0.013
South College or more	.023*	0.009	.086*	0.017
West-Education				
West Vocational	.07*	0.006	.093*	0.013
West College or more	.151*	0.008	.209*	0.017
N	23,723,842		4,777,969	

Source: Basic Monthly Current Population Surveys (CPS), January 1976–December 2009.
Note: Standard errors in parentheses. * $p < 0.05$

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Table 3A.5. Logit regression estimates of effects on likelihood of unemployment by recession, basic monthly CPS 1989–2009.

	No Recession		1990-1991		2001		2007-2009	
	β	SE	β	SE	β	SE	β	SE
Male	.245*	.005	.381*	.024	.199*	.026	.332*	.014
Race								
Black	1.021*	.011	.874*	.044	1.002*	.054	.801*	.029
Asian	.039	.025	-.188	.114	-.006	.110	-.158*	.061
Other	.617*	.030	.478*	.161	.463*	.209	.445*	.071
hispanic	.388*	.009	.390*	.055	.455*	.058	.507*	.035
Age								
Age 25-54	-.87*	.005	-.793*	.019	-.893*	.025	-.754*	.013
Age 55+	-1.131*	.008	-1.159*	.037	-1.143*	.038	-.905*	.016
Parental Status								
Parent	.143*	.004	.246*	.017	.108*	.020	.113*	.011
Region								
Midwest	-.125*	.005	-.201*	.020	.001	.028	.012	.014
South	.035*	.005	.051*	.021	.008	.027	.014	.012
West	.231*	.005	.063*	.022	.229*	.027	.210*	.013
Education								
Some College / Vocational	-.448*	.007	-.473*	.032	-.446*	.040	-.439*	.019
College +	-.741*	.009	-.738*	.036	-.477*	.043	-.771*	.021
Race*Gender								
Black Male	-.035*	.007	-.069*	.029	.043	.035	.019	.018
Asian Male	.021	.015	-.190*	.070	.082	.065	-.001	.035
Other Race Male	.024	.015	.165*	.079	.020	.080	.052	.034
Hispanic Male	-.078*	.006	-.105*	.038	-.323*	.037	-.106*	.026
Race*Education								
Black*Education								
Black Vocational	.135*	.020	-.091*	.038	-.240*	.043	.008	.021
Black College or more	.221*	.019	-.147*	.057	-.552*	.067	-.004	.028
Asian*Education								
Asian Vocational	.135*	.020	.335*	.091	.133	.084	.230*	.046
Asian College or more	.221*	.019	.428*	.085	.229*	.079	.468*	.040
Other Race*Education								
Other Race Vocational	-.053*	.018	.265*	.093	-.146	.097	.055	.038
Other Race College or mor	-.276*	.031	-.092	.158	-.191	.168	-.148*	.061
Hispanic*Education								
Hispanic Vocational	-.084*	.007	-.215*	.057	-.121*	.052	.104*	.031
Hispanic College or more	-.126*	.010	-.150	.083	.094	.070	.168*	.042
Race*Age								
Black*Age								
Black ages 25-54	-.211*	.008	-.284*	.032	-.208*	.038	-.158*	.020
Black ages 55+	-.534*	.015	-.785*	.070	-.642*	.075	-.351*	.031
Asian*Age								
Asian ages 25-54	-.066*	.018	-.096	.082	-.030	.076	.008	.046
Asian ages 55+	.162*	.028	.231	.140	-.004	.126	.085	.061
Othe Racer*Age								
Other Race ages 25-54	.147*	.017	.147	.083	.177*	.088	.044	.038
Other Race ages 55+	-.136*	.034	-.758*	.259	-.019	.174	-.034	.062
Hispanic*Age								
Hispanic ages 25-54	.010	.007	.222*	.039	.190*	.040	-.000	.030
Hispanics ages 55+	-.032*	.011	.279*	.084	.429*	.079	.049	.048

Chapter 3 Online Appendix

Race*Region								
Black*Region								
Black Midwest	.33*	.012	.711*	.046	.195*	.057	.276*	.029
Black South	-.351*	.010	-.543*	.038	-.108*	.046	-.330*	.023
Black West	-.349*	.013	-.520*	.049	-.154*	.066	-.359*	.032
Asian*Region								
Asian Midwest	.195*	.028	.489*	.138	.233	.124	.112	.060
Asian South	-.209*	.030	-.081	.144	-.254	.135	-.208*	.061
Asian West	-.315*	.025	-.352*	.122	-.150	.104	-.404*	.052
Other Race*Region								
Other Race Midwest	.494*	.030	.756*	.157	.765*	.209	.142*	.072
Other Race South	-.566*	.023	-.804*	.105	-.603*	.124	-.247*	.054
Other Race West	-.562*	.019	-.482*	.094	-.352*	.093	-.404*	.044
Hispanic*Region								
Hispanic Midwest	-.189*	.009	-.095	.077	.144*	.069	-.024	.052
Hispanic South	.126*	.009	.014	.075	-.264*	.062	-.235*	.052
Hispanic West	.105*	.009	.010	.072	-.322*	.059	-.263*	.053
Gender*Parental								
Male Parent	-.51*	.005	-.437*	.022	-.624*	.030	-.511*	.015
Gender*Education								
Male Vocational	-.001	.006	-.049	.027	.051	.031	.010	.014
Male College or more	-.06*	.007	-.170*	.034	.004	.037	-.119*	.018
Gender*Age								
Male ages 25-54	.035*	.006	-.014	.024	.014	.030	.051*	.016
Male ages 55+	.029*	.009	-.019	.045	-.040	.047	-.068*	.020
Region*Education								
Midwest-Education								
Midwest Vocational	-.094*	.009	-.071	.040	-.098*	.047	-.049*	.022
Midwest College or more	-.152*	.011	-.243*	.048	-.363*	.055	-.157*	.026
South-Education								
South Vocational	.051*	.008	.046	.038	.138*	.042	-.036	.020
South College or more	.005	.011	.080	.050	.085	.055	-.015	.025
West-Education								
West Vocational	.032*	.008	.141*	.039	-.038	.043	-.008	.020
West College or more	.107*	.011	.281*	.051	.213*	.054	.067*	.025
N	14,264,153		666,059		613,978		1,731,603	

Source: Basic Monthly Current Population Surveys (CPS), January 1989–December 2009.
Note: Standard errors in parentheses. * $p < 0.05$

Chapter 3 Online Appendix

Table 3A.6. Logit regression estimates of effects on likelihood of unemployment by recession, basic monthly CPS 1976–2009.

	No Recession		1980		1981		1990-1991		2001		2007-2009	
	β	SE	β	SE	β	SE	β	SE	β	SE	β	SE
Male	.17*	0.004	.156*	.018	.175*	.012	.384*	.024	.204*	.026	.332*	.014
Race												
Black	1.083*	0.008	1.098*	.044	1.159*	.028	.875*	.044	1.002*	.054	.802*	.029
Other (including Asian)	.296*	0.021	.290*	.126	.099	.077	-.025	.091	.466*	.209	.141*	.044
hispanic	.352*	0.007	.623*	.064	.692*	.040	.392*	.055	.457*	.058	.509*	.035
Age												
Age 25-54	-.85*	0.003	-.729*	.019	-.743*	.012	-.793*	.019	-.896*	.024	-.756*	.013
Age 55+	-1.23*	0.006	-1.491*	.037	-1.381*	.022	-1.157*	.037	-1.146*	.038	-.906*	.016
Parental Status												
Parent	.11*	0.003	-.282*	.021	-.011	.011	.245*	.017	.108*	.020	.115*	.011
Region												
Midwest	-.051*	0.004	.024	.019	.089*	.012	-.197*	.020	.004	.028	.015	.014
South	-.041*	0.003	-.204*	.018	-.211*	.011	.048*	.021	.004	.026	.013	.012
West	.157*	0.004	-.057*	.019	-.028*	.012	.060*	.022	.239*	.027	.212*	.013
Education												
Some College / Vocational	-.516*	0.006	-.424*	.038	-.666*	.025	-.468*	.032	-.442*	.040	-.434*	.019
College +	-.76*	0.007	-.790*	.050	-.716*	.028	-.725*	.036	-.462*	.042	-.759*	.021
Race*Gender												
Black Male	-.043*	0.005	-.135*	.030	-.079*	.018	-.071*	.029	.038	.035	.019	.018
Other Race (including Asian) Male	.116*	0.011	-.091	.060	.113*	.035	-.009	.052	.016	.080	.035	.025
Hispanic Male	-.05*	0.005	-.224*	.044	-.159*	.026	-.107*	.038	-.327*	.037	-.107*	.026
Race*Education												
Black*Education												
Black Vocational	-.066*	0.007	.133*	.043	.112*	.026	-.092*	.038	-.246*	.043	.007	.021
Black College or more	-.285*	0.011	-.230*	.079	.014	.041	-.147*	.057	-.572*	.067	-.005	.028
Other Race (including Asian) *Education												
Other Race Vocational	-.044*	0.013	-.325*	.091	-.113*	.049	.236*	.065	-.156	.097	.094*	.030
Other Race College or more	-.281*	0.018	-.149	.105	-.211*	.058	.032	.071	-.220	.168	.106*	.031
Hispanic*Education												
Hispanic Vocational	-.086*	0.006	-.092	.074	.048	.043	-.215*	.057	-.130*	.052	.103*	.031
Hispanic College or more	-.134*	0.009	-.049	.124	.021	.071	-.154	.083	.068	.070	.166*	.042
Race*Age												
Black*Age												
Black ages 25-54	-.303*	0.005	-.324*	.031	-.443*	.019	-.284*	.032	-.205*	.038	-.158*	.020
Black ages 55+	-.624*	0.011	-.411*	.065	-.592*	.039	-.785*	.070	-.638*	.075	-.351*	.031
Othe Racer (including Asian) *Age												
Other Race ages 25-54	.129*	0.011	.008	.064	.067	.038	.003	.059	.180*	.088	-.009	.030
Other Race ages 55+	-.059*	0.023	.234	.120	.152*	.071	-.133	.120	-.014	.174	-.038	.043
Hispanic*Age												
Hispanic ages 25-54	.007	0.005	.118*	.045	-.036	.027	.222*	.039	.193*	.040	-.000	.030
Hispanics ages 55+	.049*	0.01	.222*	.112	.400*	.057	.279*	.084	.433*	.078	.049	.048

(Continued)

Race*Region												
Black*Region												
Black Midwest	.367*	0.008	.345*	.048	.479*	.029	.710*	.046	.191*	.057	.275*	.029
Black South	-.358*	0.007	-.382*	.039	-.415*	.023	-.542*	.038	-.103*	.046	-.330*	.023
Black West	-.345*	0.009	-.325*	.054	-.550*	.034	-.519*	.049	-.168*	.066	-.359*	.032
Other Race (including Asian) *Region												
Other Race Midwest	.648*	0.022	.730*	.134	.795*	.081	1.032*	.092	.761*	.209	.248*	.044
Other Race South	-.499*	0.018	-.528*	.115	-.520*	.067	-.595*	.084	-.598*	.124	-.262*	.041
Other Race West	-.587*	0.014	-.687*	.080	-.615*	.049	-.791*	.070	-.365*	.093	-.435*	.034
Hispanic*Region												
Hispanic Midwest	-.254*	0.008	.003	.084	.048	.052	-.098	.077	.141*	.069	-.025	.052
Hispanic South	.188*	0.008	-.170*	.080	-.385*	.049	.016	.075	-.259*	.062	-.235*	.052
Hispanic West	.179*	0.007	-.292*	.073	-.280*	.045	.012	.072	-.333*	.059	-.263*	.053
Gender*Parental												
Male Parent	-.402*	0.004	-.111*	.028	-.333*	.015	-.436*	.022	-.624*	.030	-.512*	.015
Gender*Education												
Male Vocational	.026*	0.005	-.057	.031	.020	.019	-.055*	.027	.053	.031	.007	.014
Male College or more	-.104*	0.006	-.444*	.043	-.399*	.024	-.182*	.034	.009	.037	-.123*	.017
Gender*Age												
Male ages 25-54	.014*	0.004	-.114*	.024	.060*	.015	-.013	.024	.013	.030	.054*	.016
Male ages 55+	.074*	0.007	.130*	.045	.071*	.026	-.022	.045	-.043	.047	-.066*	.020
Region*Education												
Midwest-Education												
Midwest Vocational	-.103*	0.007	-.159*	.045	-.020	.028	-.074	.040	-.098*	.047	-.051*	.022
Midwest College or more	-.185*	0.008	-.231*	.063	-.235*	.035	-.269*	.048	-.357*	.054	-.171*	.026
South-Education												
South Vocational	.061*	0.006	.033	.043	.058*	.026	.048	.038	.138*	.042	-.036	.020
South College or more	.023*	0.009	.217*	.062	.031	.035	.102*	.050	.077	.055	-.011	.025
West-Education												
West Vocational	.07*	0.006	.112*	.042	.133*	.025	.139*	.039	-.028	.043	-.012	.020
West College or more	.151*	0.008	.318*	.060	.224*	.034	.308*	.050	.228*	.053	.067*	.025
N	23,723,842		575,365		1,275,276		666,059		613,978		1,731,603	

Source: Basic Monthly Current Population Surveys (CPS), January 1976-December 2009.
Note: Standard errors in parentheses. * $p < 0.05$

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Web Appendix

Lane Kenworthy and Lindsay A. Owens

"The Surprisingly Weak Effect of Recessions on Public Opinion"

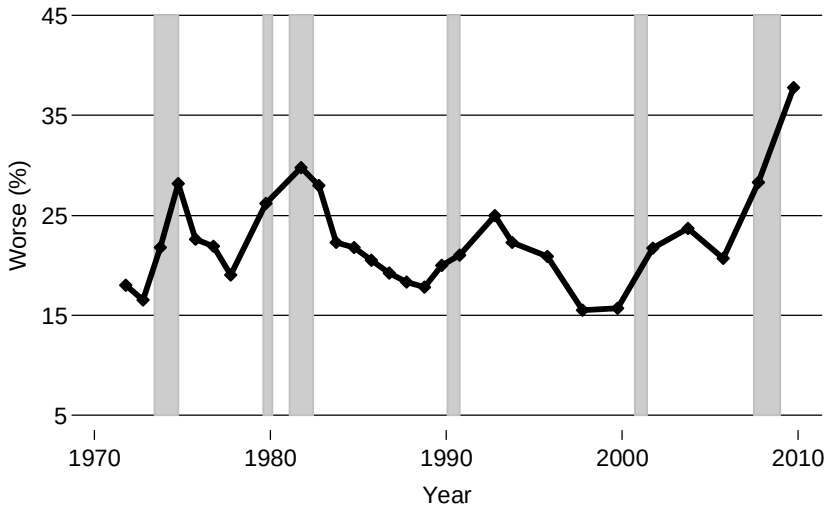
Chapter 7 in *The Great Recession*, edited by David B. Grusky, Bruce Western, and Christopher Wimmer

Russell Sage Foundation, 2011

This appendix includes figures referred to in the chapter.

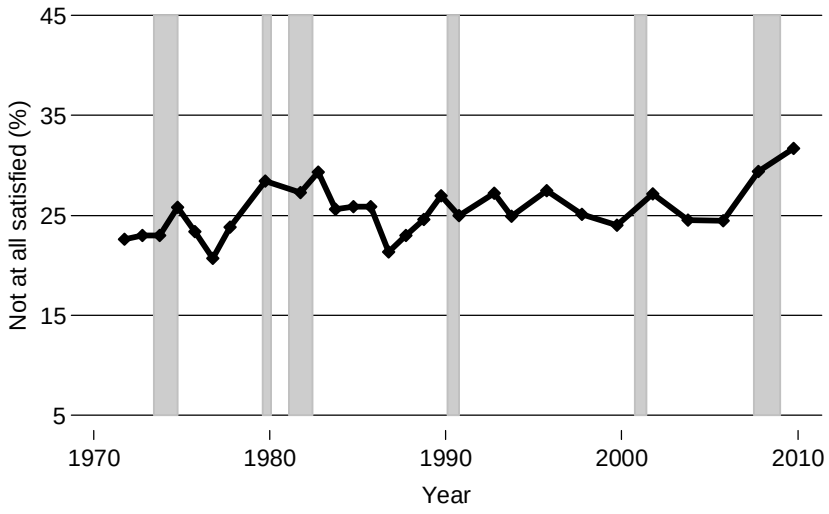
Do Americans notice and feel adversely affected by economic downturns?

Figure 1. Financial situation has been getting worse (GSS)



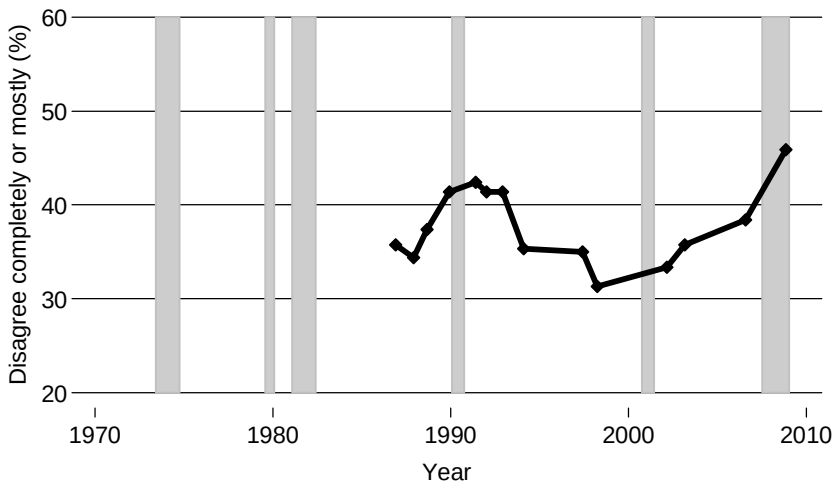
"During the last few years, has your financial situation been getting better, worse, or has it stayed the same?" (GSS finalter)

Figure 2. Not satisfied with family's present financial situation (GSS)



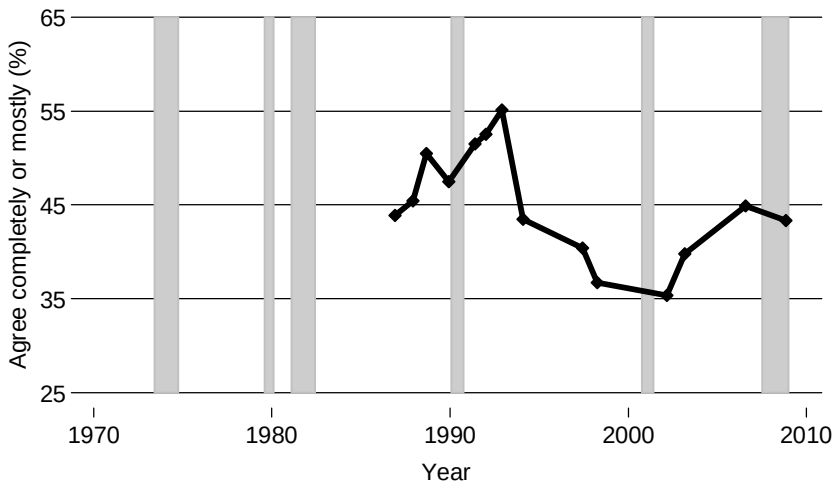
"We are interested in how people are getting along financially these days. So far as you and your family are concerned, would you say that you are pretty well satisfied with your present financial situation, more or less satisfied, or not satisfied at all?" (GSS satfin)

Figure 3. Disagree satisfied with the way things are going for me financially (Pew)



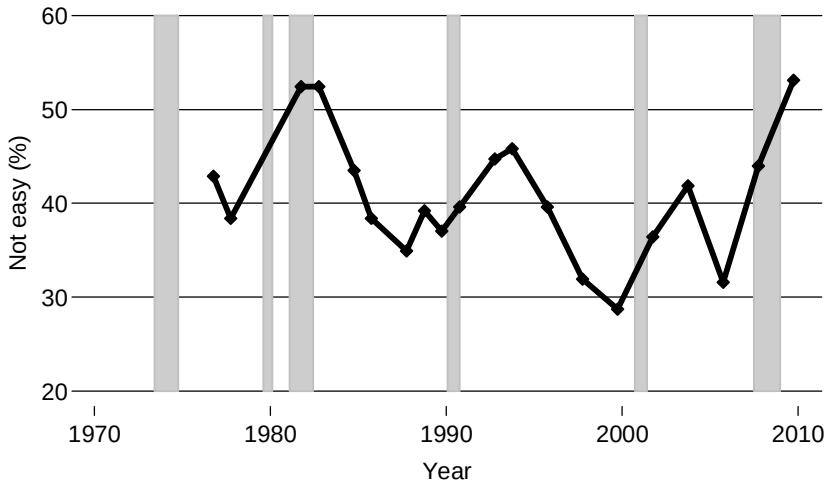
"I'm pretty well satisfied with the way things are going for me financially." (Pew Q31-v.F2)

Figure 4. Agree I often don't have enough money to make ends meet (Pew)



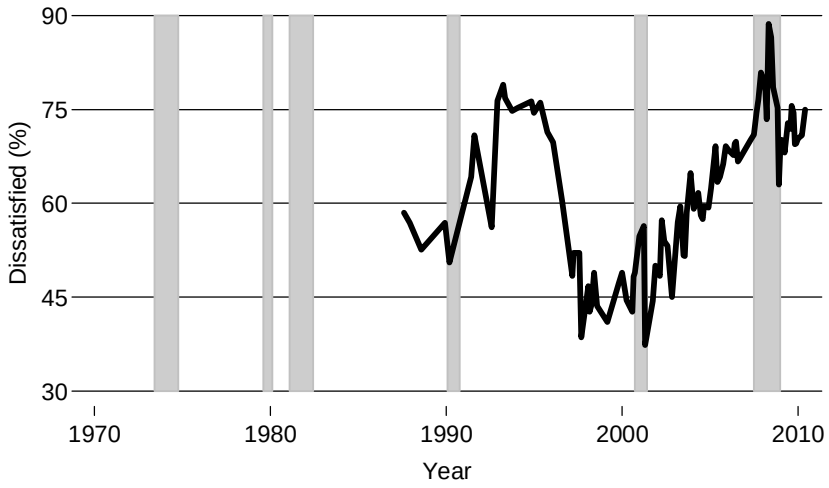
"I often don't have enough money to make ends meet." (Pew Q31-t.F2)

Figure 5. Not easy to find an equally good job with another employer (GSS)



"About how easy would it be for you to find a job with another employer with approximately the same income and fringe benefits you now have?" (GSS jobfind)

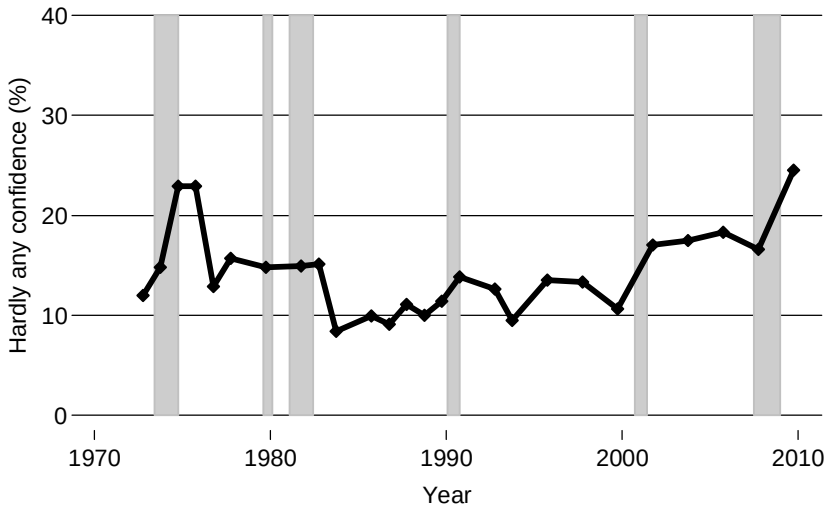
Figure 6. Dissatisfied with the way things are going in the country today (Pew)



"All in all, are you satisfied or dissatisfied with the way things are going in this country today?" (Pew QA2)

Do attitudes toward business and finance sour?

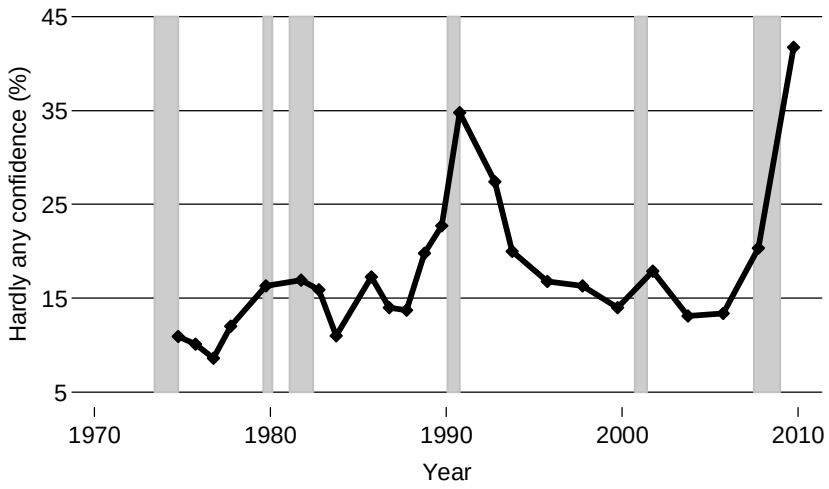
Figure 7. Hardly any confidence in major companies (GSS)



"I am going to name some institutions in this country. As far as the people running these institutions are concerned, would you say you have a great deal of confidence (3), only some confidence (2), or hardly any confidence at all in them (1)?"

Major companies (GSS conbus)

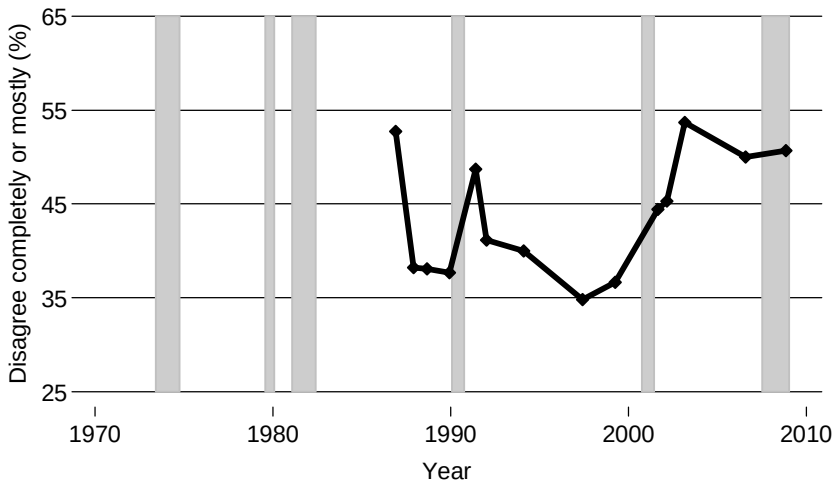
Figure 8. Hardly any confidence in banks and financial institutions (GSS)



"I am going to name some institutions in this country. As far as the people running these institutions are concerned, would you say you have a great deal of confidence (3), only some confidence (2), or hardly any confidence at all in them (1)?"

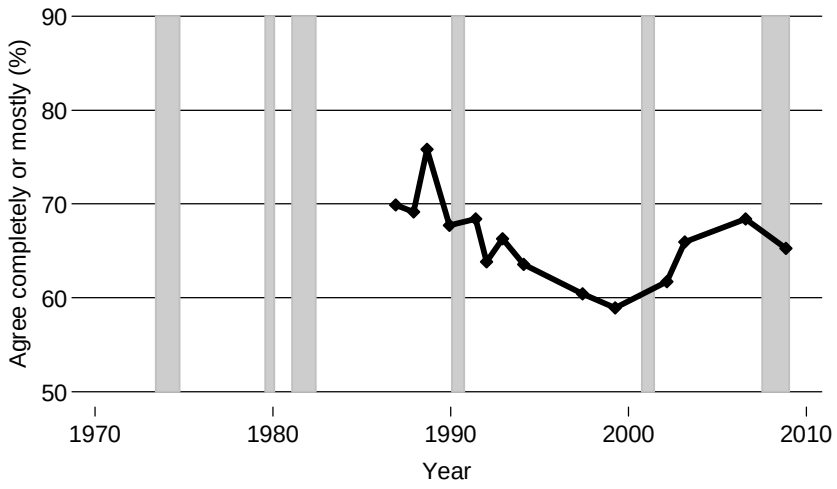
Banks and financial institutions (GSS confinan)

Figure 9. Disagree business corporations generally strike a fair balance between profits and the public interest (Pew)



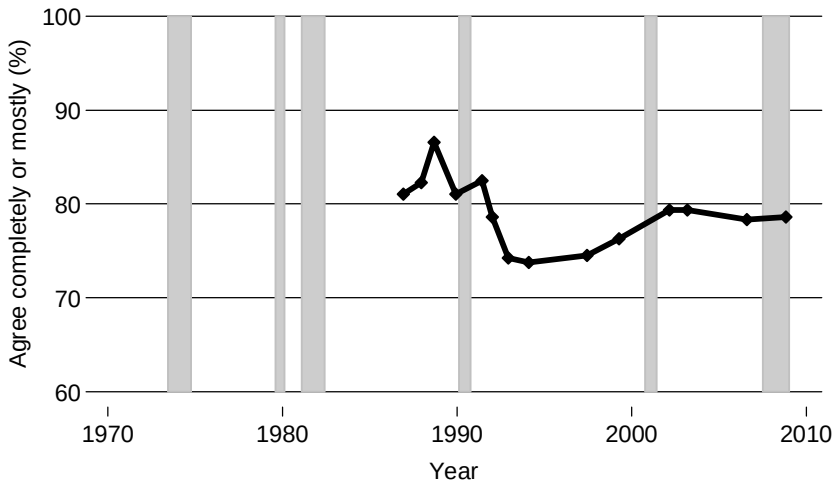
"Business corporations generally strike a fair balance between making profits and serving the public interest." (Pew Q20-n.F2)

Figure 10. Agree business corporations make too much profit (Pew)



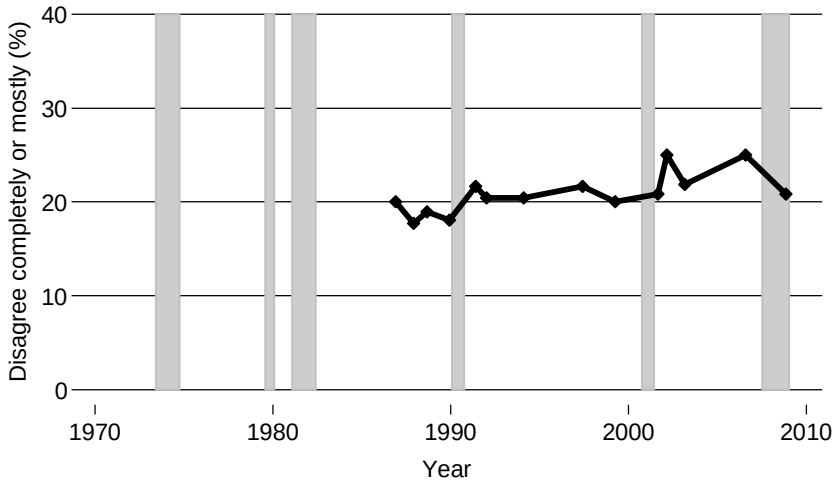
"Business corporations make too much profit." (Pew Q20-p.F2)

Figure 11. Agree there is too much power concentrated in the hands of a few big companies (Pew)



"There is too much power concentrated in the hands of a few big companies." (Pew Q20-o.F2)

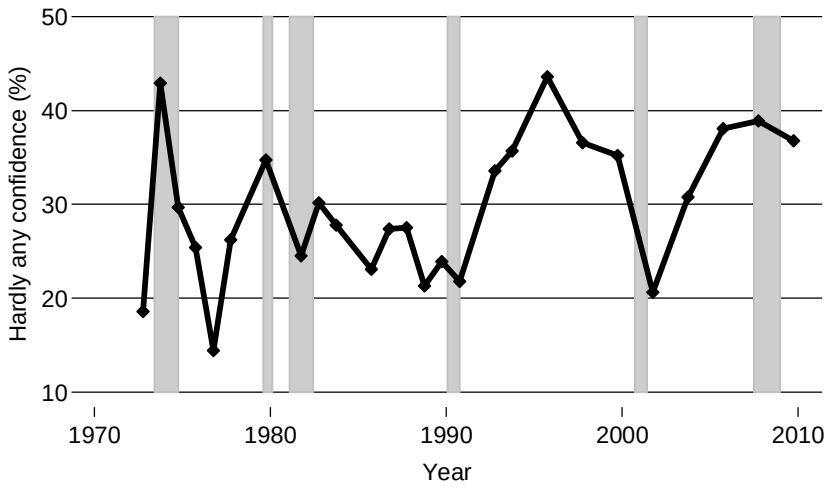
Figure 12. Disagree the country's strength is mostly based on the success of American business (Pew)



"The strength of this country today is mostly based on the success of American business." (Pew Q20-h.F1)

Do attitudes toward government sour?

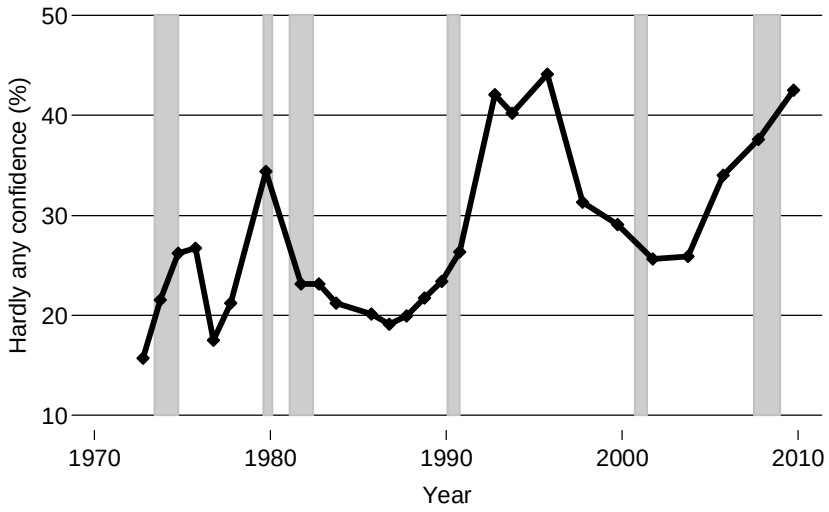
Figure 13. Hardly any confidence in the executive branch of the federal government (GSS)



"I am going to name some institutions in this country. As far as the people running these institutions are concerned, would you say you have a great deal of confidence (3), only some confidence (2), or hardly any confidence at all in them (1)"

Executive branch of the federal government (GSS confed)

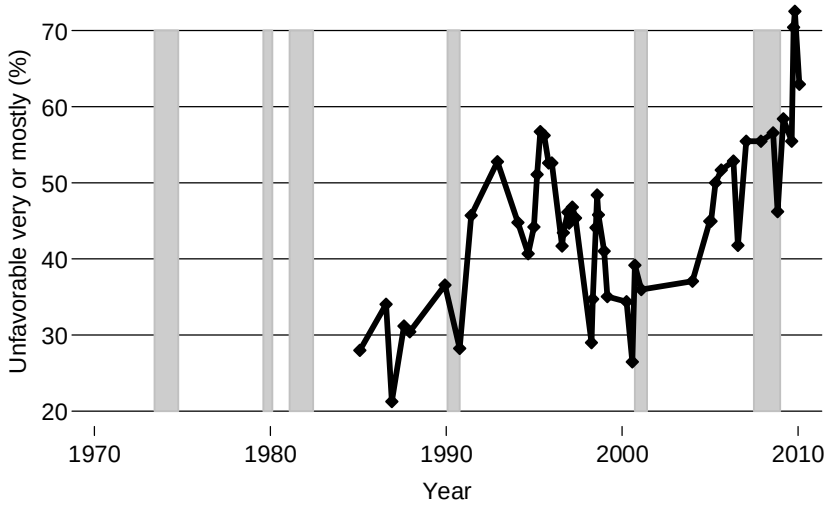
Figure 14. Hardly any confidence in Congress (GSS)



"I am going to name some institutions in this country. As far as the people running these institutions are concerned, would you say you have a great deal of confidence (3), only some confidence (2), or hardly any confidence at all in them (1)"

Congress (GSS conlegis)

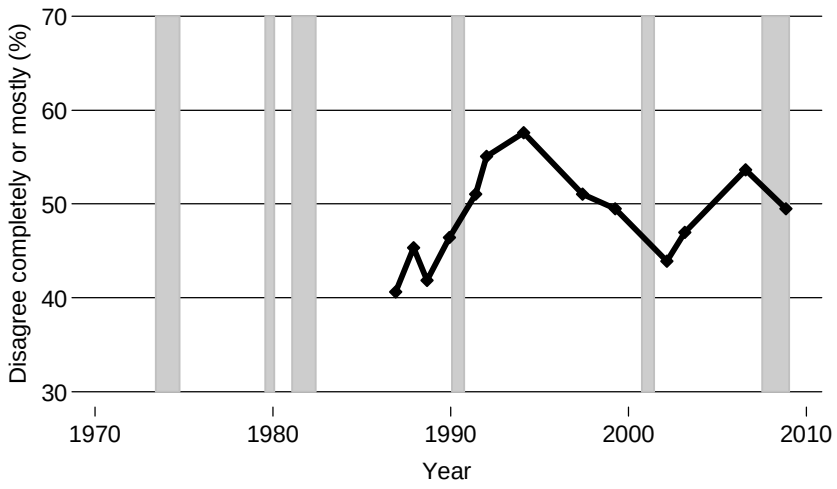
Figure 15. Unfavorable opinion of Congress (Pew)



How about [next item]? Would you say your overall opinion of [item] is very favorable, mostly favorable, mostly unfavorable, or very unfavorable?

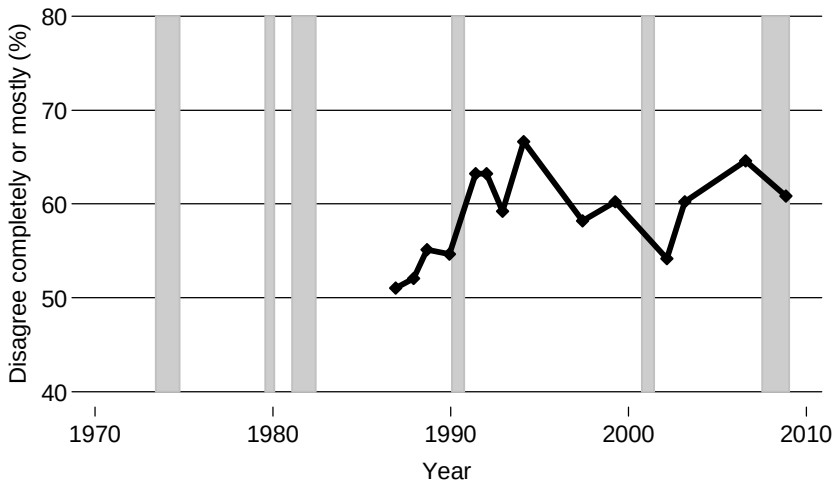
Congress (Pew QA21)

Figure 16. Disagree the government is really run for the benefit of all the people (Pew)



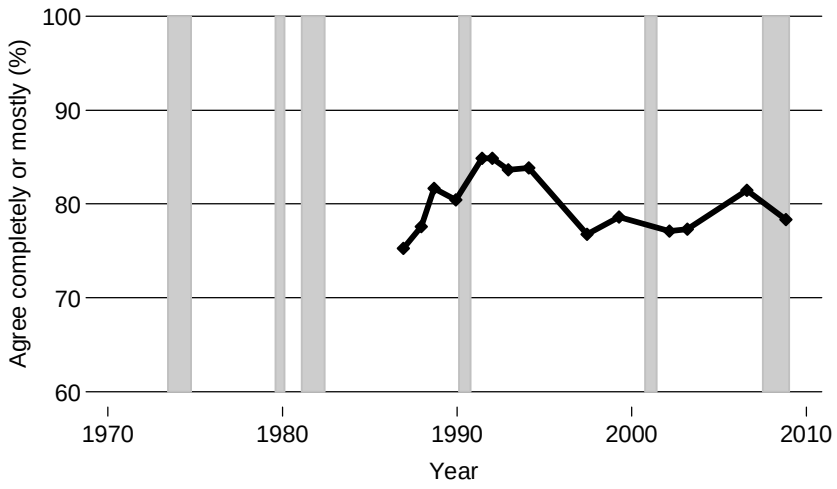
"The government is really run for the benefit of all the people." (Pew Q20-m)

Figure 17. Disagree most elected officials care about what people like me think (Pew)



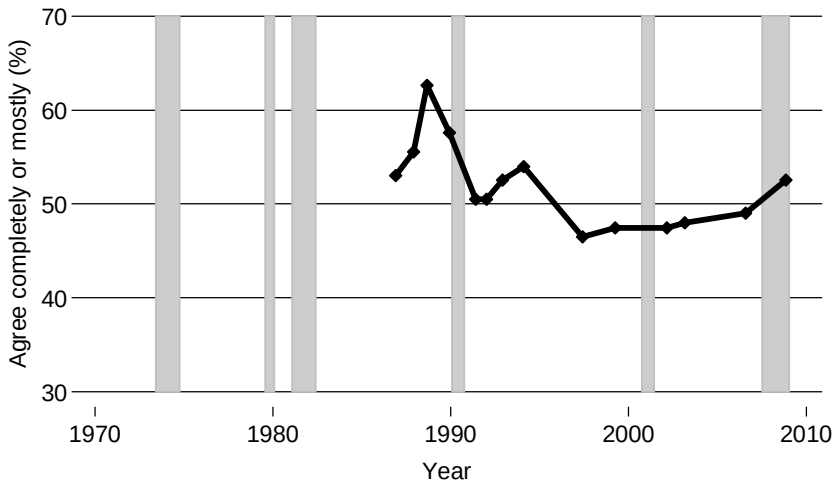
"Most elected officials care what people like me think." (Pew Q20-c)

Figure 18. Agree elected officials lose touch with the people pretty quickly (Pew)



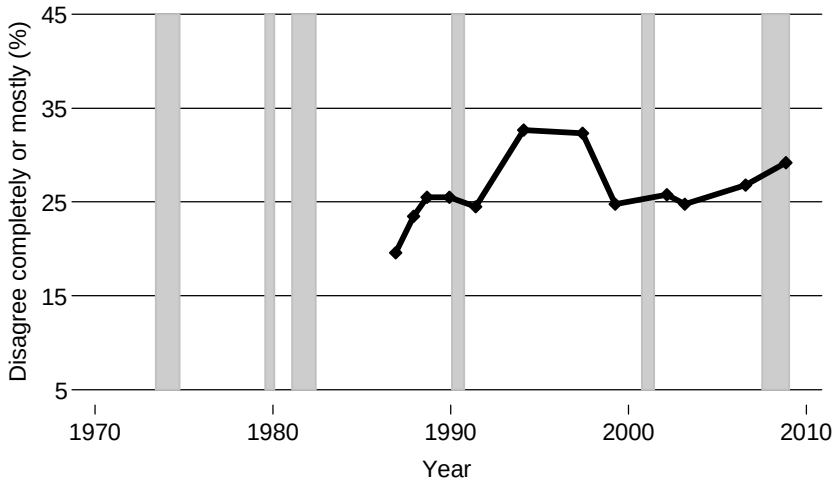
"Generally speaking, elected officials in Washington lose touch with the people pretty quickly." (Pew Q20-b)

Figure 19. Agree people like me don't have any say about what the government does (Pew)



"People like me don't have any say about what the government does." (Pew Q20-a)

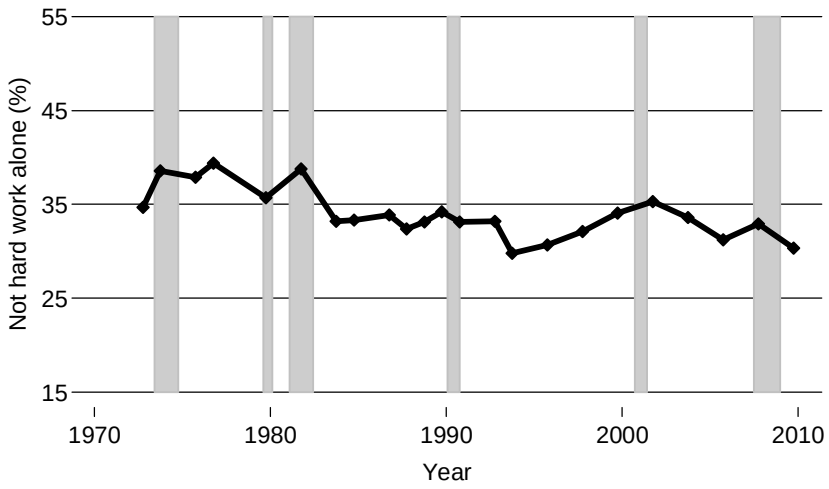
Figure 20. Disagree voting gives people like me some say about how government runs things (Pew)



"Voting gives people like me some say about how government runs things." (Pew Q20-d)

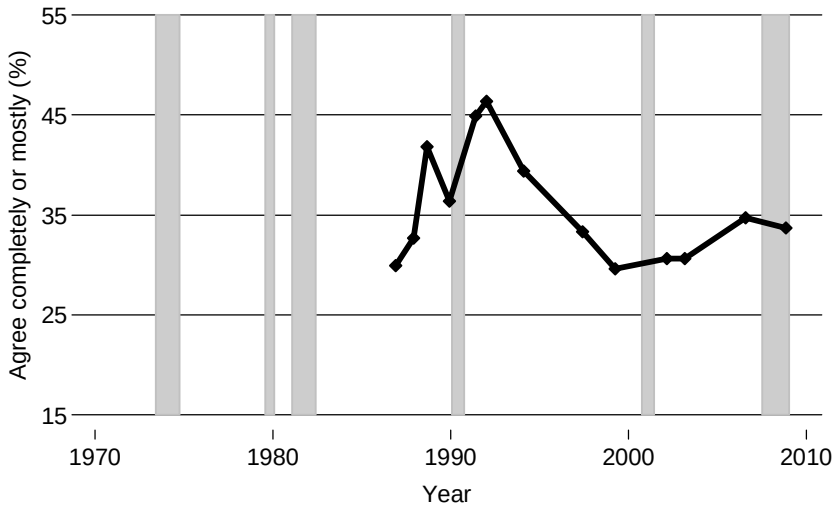
Do people perceive less fairness, less opportunity, more inequality?

Figure 21. People get ahead by lucky breaks or help from others as much or more than by hard work (GSS)



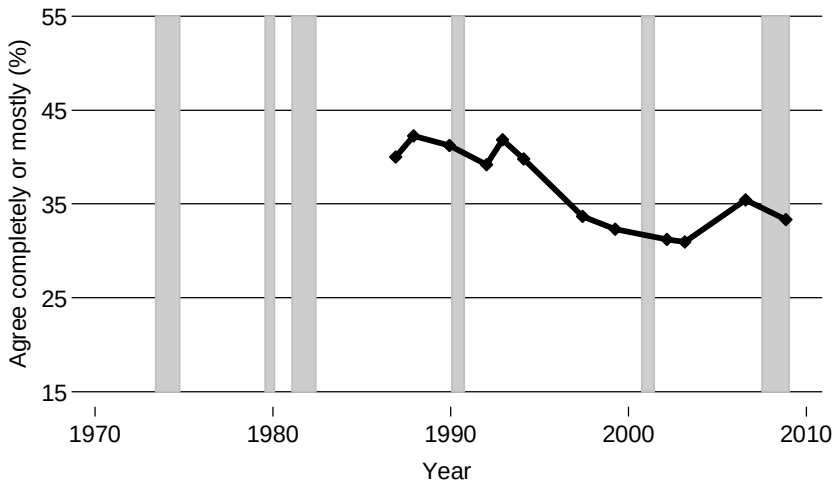
"Some people say that people get ahead by their own hard work; others say that lucky breaks or help from other people are more important. Which do you think is most important?" (GSS getahead)

Figure 22. Agree hard work offers little guarantee of success (Pew)



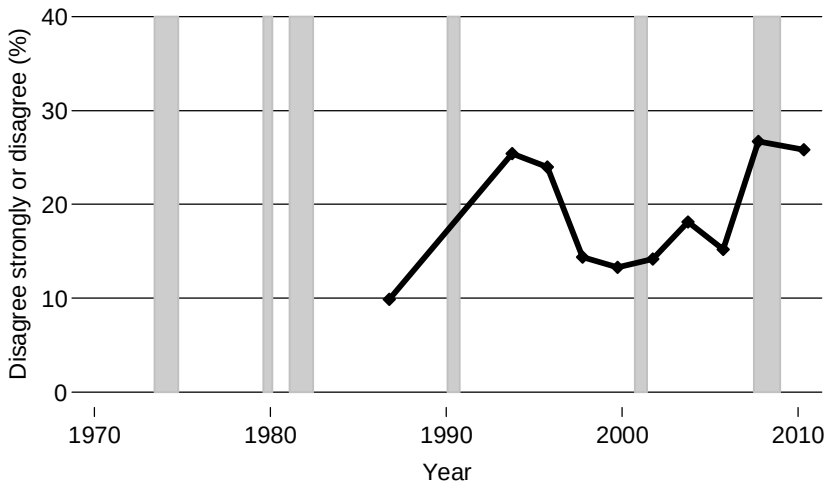
"Hard work offers little guarantee of success." (Pew Q20-f)

Figure 23. Agree that success in life is pretty much determined by forces outside our control (Pew)



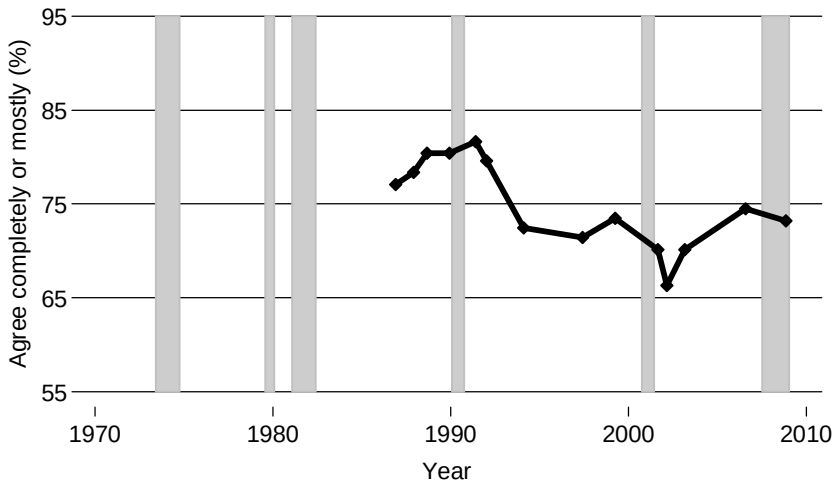
"Success in life is pretty much determined by forces outside our control." (Pew Q20-e)

Figure 24. Disagree people like me and my family have a good chance of improving our standard of living (GSS)



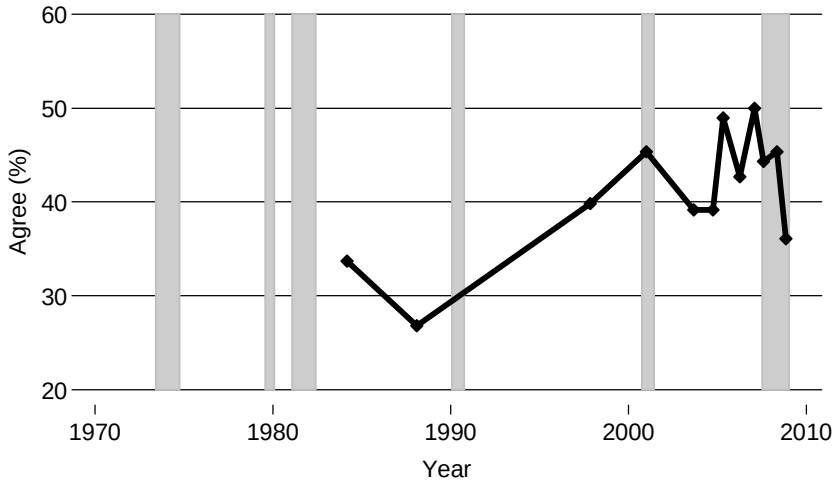
"The way things are in America, people like me and my family have a good chance of improving our standard of living. Do you agree or disagree?" (GSS goodlife)

Figure 25. Today the rich just get richer while the poor get poorer (Pew)



"Today it's really true that the rich just get richer while the poor get poorer." (Pew Q31-qF2)

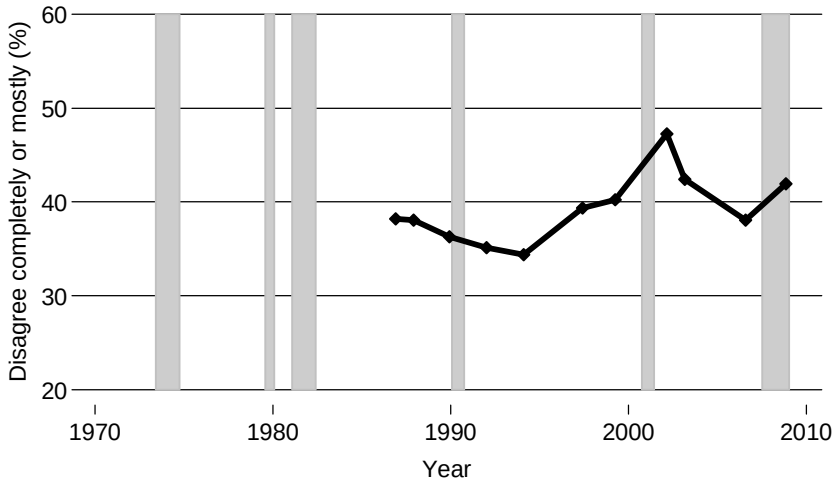
Figure 26. American society is divided into the haves and the have-nots (Pew)



"Some people think of American society as divided into two groups, the "haves" and the "have-nots," while others think it's incorrect to think of America that way. Do you, yourself, think of America as divided into haves and have-nots, or don't you think of America that way?" (Pew QB28)

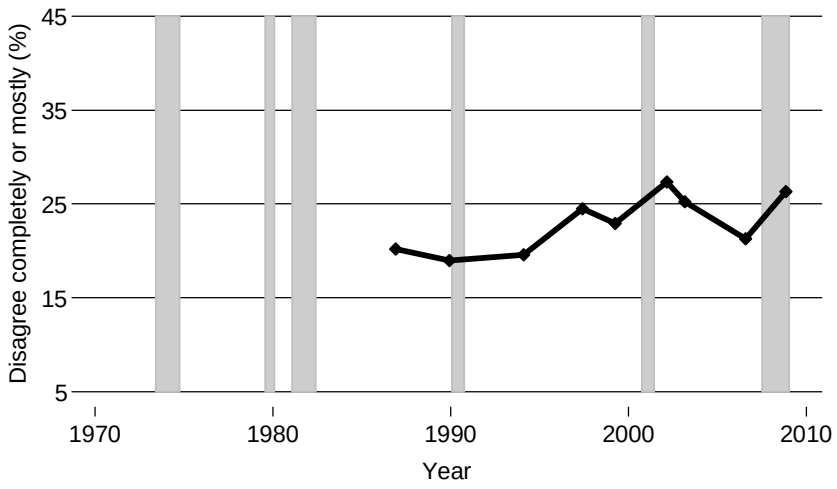
What do Americans think government can do and should do?

Figure 27. Disagree government regulation of business usually does more harm than good (Pew)



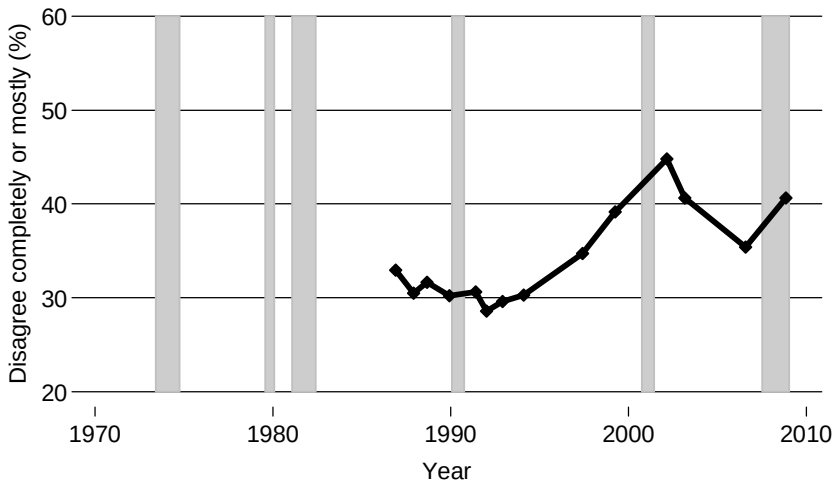
"Government regulation of business usually does more harm than good." (Pew Q20-i.F1)

Figure 28. Disagree the federal government should run only those things that cannot be run at the local level (Pew)



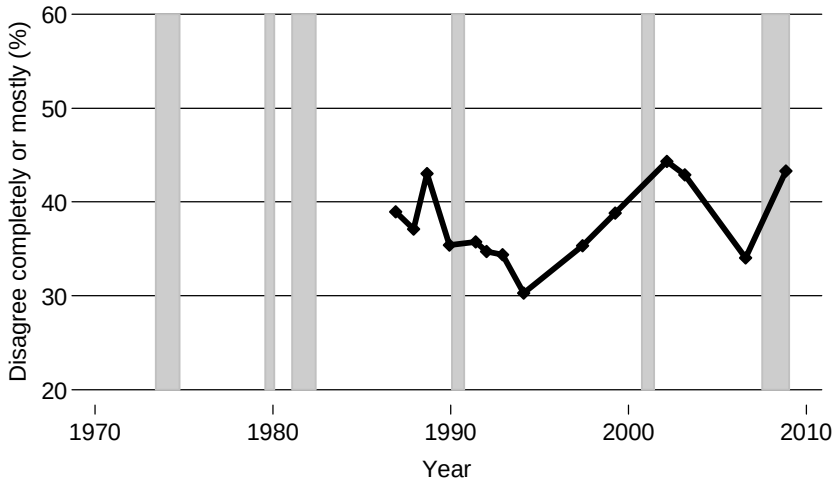
"The federal government should run only those things that cannot be run at the local level." (Pew Q20-i.F1)

Figure 29. Disagree when something is run by the government it is usually inefficient and wasteful (Pew)



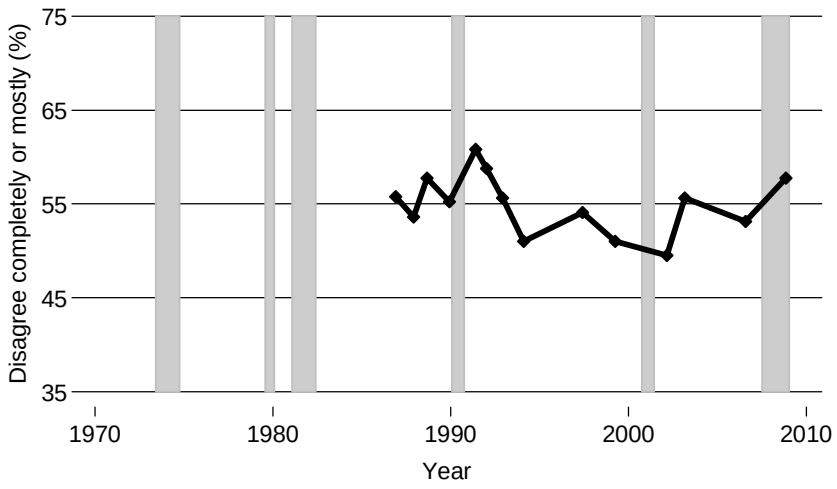
"When something is run by the government, it is usually inefficient and wasteful." (Pew Q20-k.F1)

Figure 30. Disagree the federal government controls too much of our daily lives (Pew)



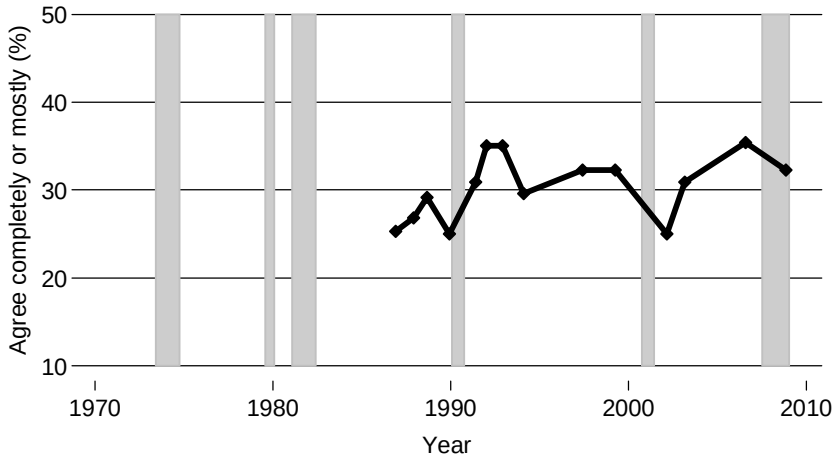
"The federal government controls too much of our daily lives." (Pew Q20-l.F1)

Figure 31. Disagree we have gone too far in pushing equal rights in this country (Pew)



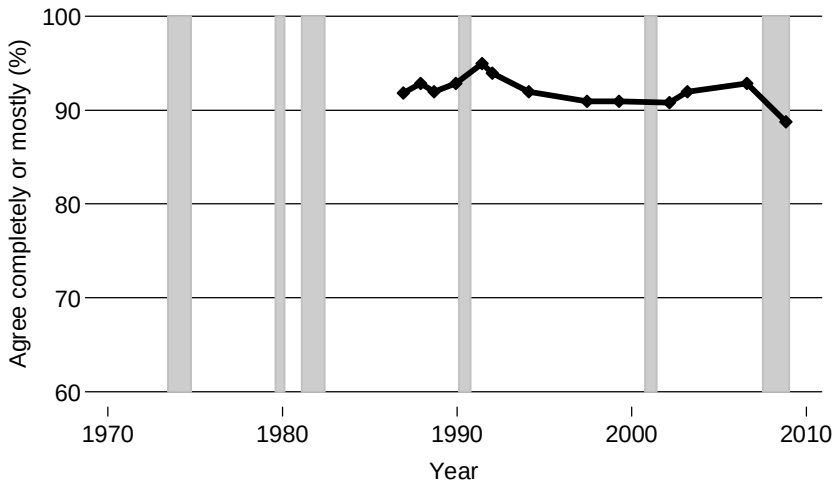
"We have gone too far in pushing equal rights in this country." (Pew Q30-d.F1)

Figure 32. Agree we should make every possible effort to improve the position of blacks and other minorities, even if it means giving them preferential treatment (Pew)



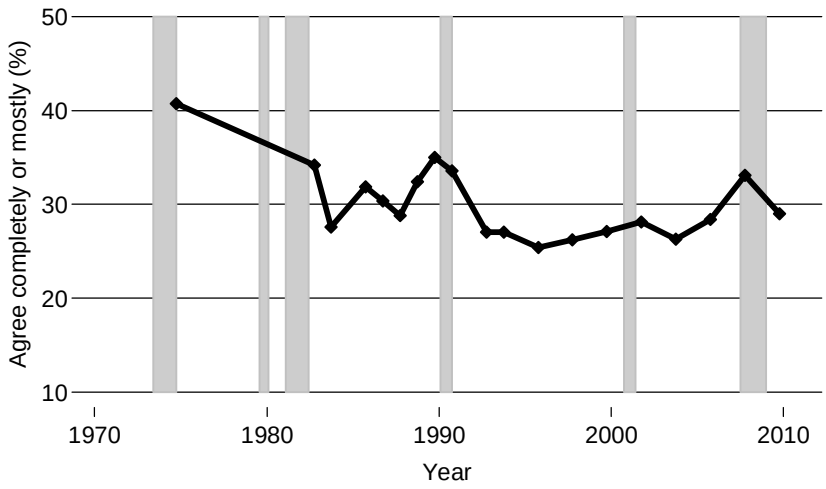
"We should make every possible effort to improve the position of blacks and other minorities, even if it means giving them preferential treatment." (Pew Q30-l.F1)

Figure 33. Agree our society should do what is necessary to make sure that everyone has an equal opportunity to succeed (Pew)



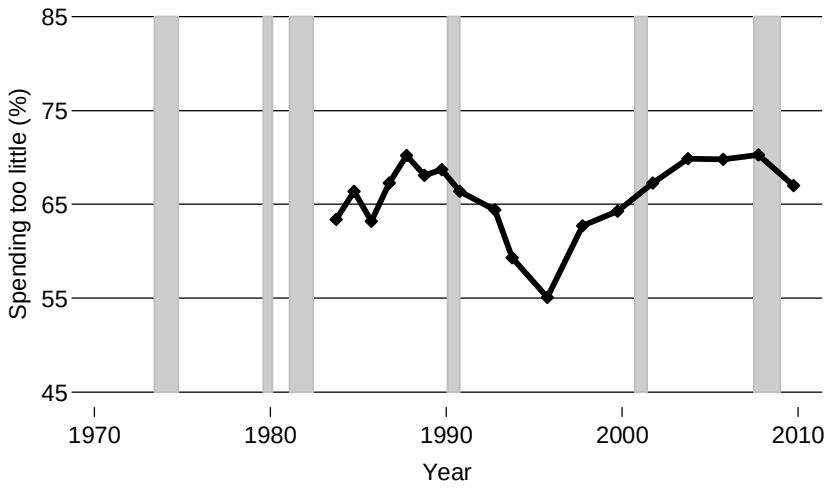
"Our society should do what is necessary to make sure that everyone has an equal opportunity to succeed." (Pew Q30-c.F1)

Figure 34. Agree the government should do everything to improve the standard of living of all poor Americans (GSS)



"Some people think that the government in Washington should do everything to improve the standard of living of all poor Americans (they are at point 5 on this card). Other people think it is not the government's responsibility, and that each person should take care of himself (they are at point 1). Where are you placing yourself in this scale?" (GSS helppoor)

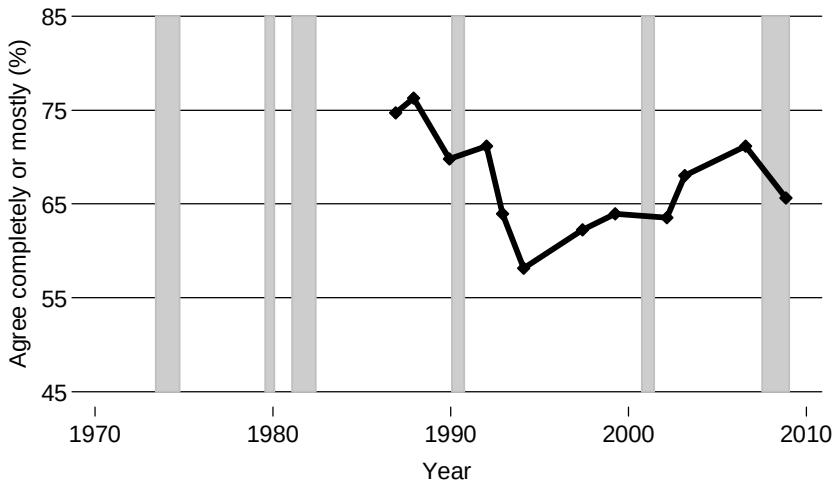
Figure 35. We're spending too little money on assistance to the poor (GSS)



"We are faced with many problems in this country, none of which can be solved easily or inexpensively. I'm going to name some of these problems, and for each one I'd like you to tell me whether you think we're spending too much money on it, too little money, or about the right amount."

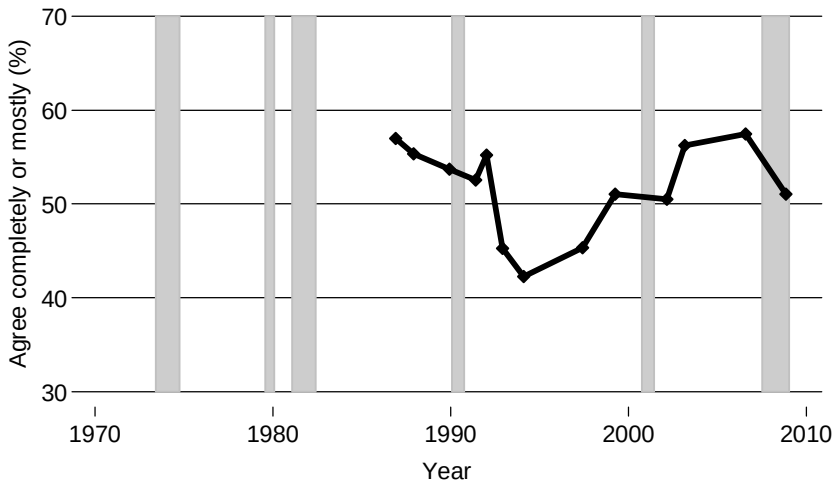
k. Assistance to the poor. (GSS natfarey)

Figure 36. Agree it is the responsibility of government to take care of people who can't take care of themselves (Pew)



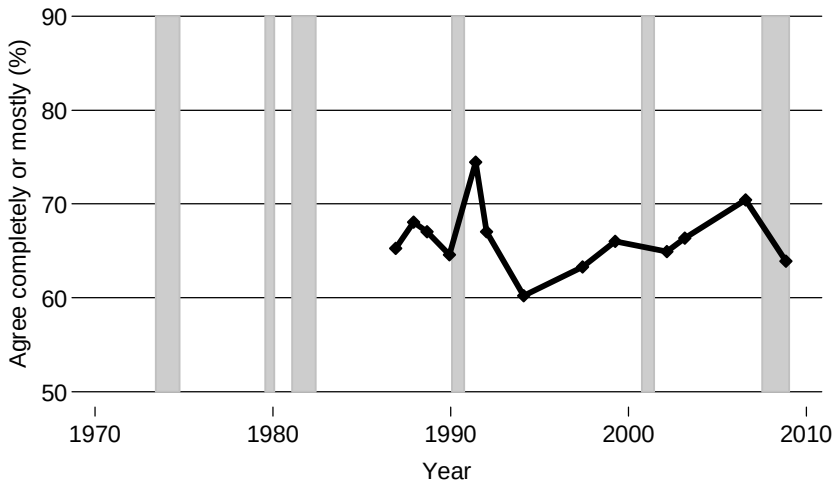
"It is the responsibility of the government to take care of people who can't take care of themselves." (Pew Q30-e.F1)

Figure 37. Agree the government should help more needy people even if it means going deeper into debt (Pew)



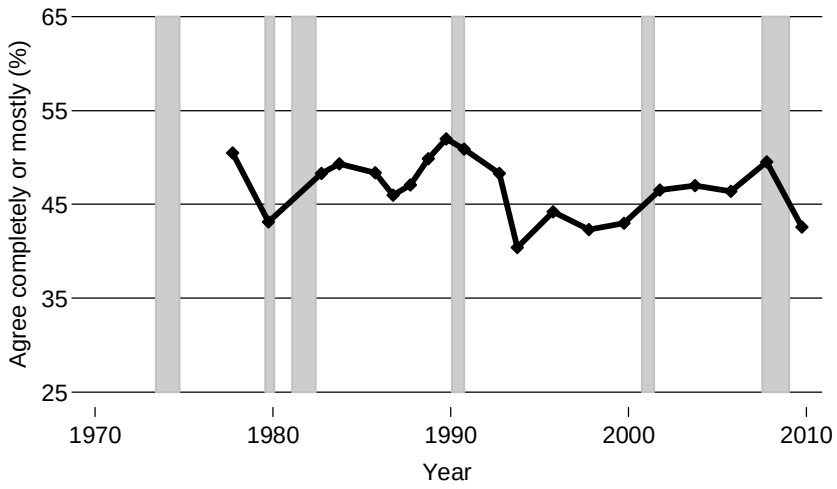
"The government should help more needy people even if it means going deeper in debt." (Pew Q30-f.F1)

Figure 38. Agree the government should guarantee every citizen enough to eat and a place to sleep (Pew)



"The government should guarantee every citizen enough to eat and a place to sleep." (Pew Q30-g.F1)

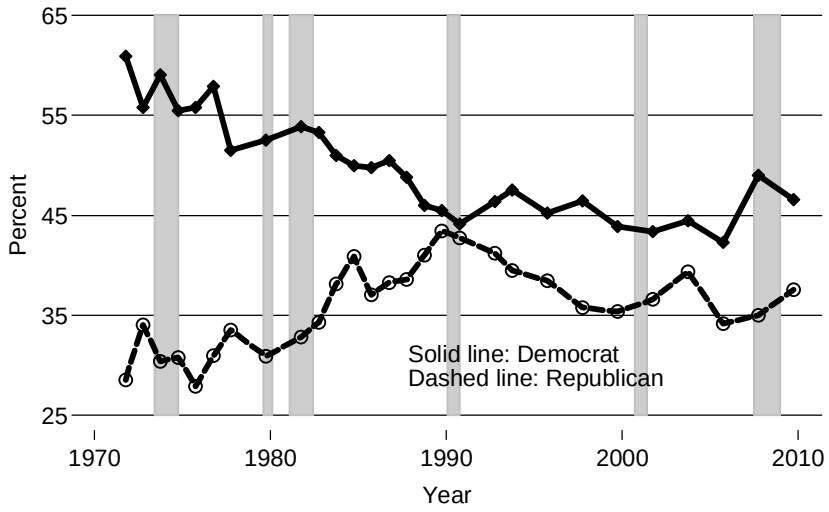
Figure 39. Agree the government ought to reduce the income differences between the rich and the poor (GSS)



"Some people think that the government in Washington ought to reduce the income differences between the rich and the poor, perhaps by raising the taxes of wealthy families or by giving income assistance to the poor (they are at point 7 on this card). Others think that the government should not concern itself with reducing these income differences between the rich and the poor (they are at point 1 on this card). What score between 1 and 7 comes closest to the way you feel?" (GSS eqwlth)

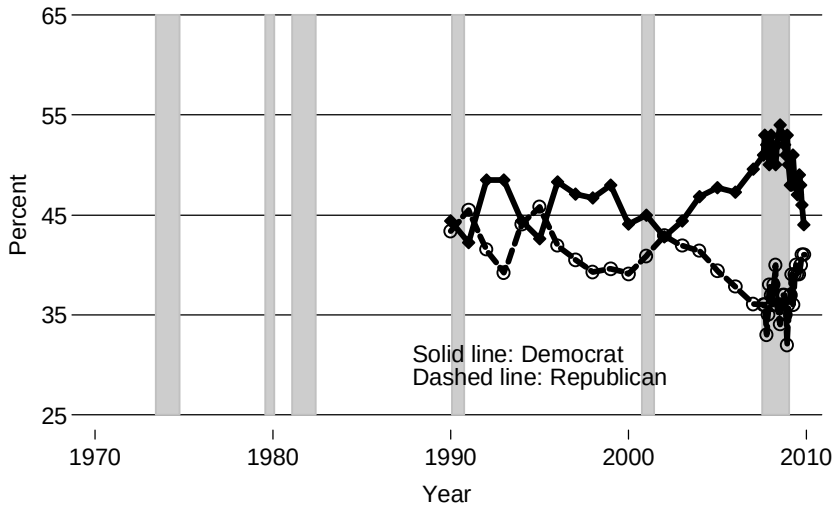
Do party allegiances and political orientations shift?

Figure 40. Party identification (GSS)



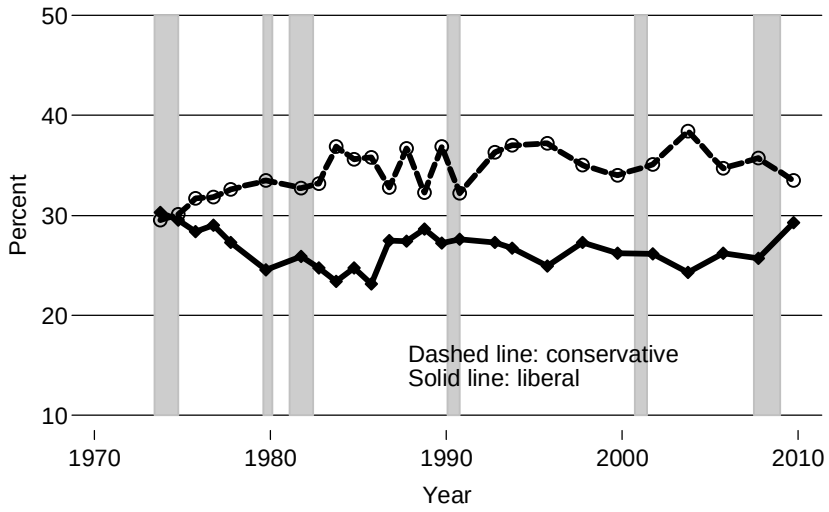
"Generally speaking, do you usually think of yourself as a Republican, Democrat, Independent, or what?" (GSS partyid)

Figure 41. Party identification (Pew)



"In politics today, do you consider yourself a Republican, Democrat, or Independent?" (Pew party). Note: Both the GSS and Pew surveys offer seven choices to respondents (though the two surveys do so in different ways). Those who respond independent are allowed to reclassify themselves as "weak" or "lean" identifiers with one of the two parties. We classify these as Democrat or Republican, rather than as independent (Keith et al. 1992; Sides 2009).

Figure 42. Political views (GSS)



"We hear a lot of talk these days about liberals and conservatives. I'm going to show you a seven-point scale on which the political views that people might hold are arranged from extremely liberal - point 1 - to extremely conservative - point 7. Where would you place yourself on this scale?" (GSS polviews)

Chapter 8 Online Appendix

Appendix 8.A1.

The state-level data are presented in Table 8.A1 below. Sources are shown in notes to the table.

Table 8.A1 Ratio of 2009/2007 births Jan-Apr, births Jan-Apr 2009 and 2007, state population estimates, and independent variables (Obama/McCain and unemployment ratio): State data

States	B_rate ratio 2009/2007	Jan-Apr Births 2009	Jan-Apr Births 2007	Population Estimates 2009 July	Population Estimates 2007 July	Obama/ McCain Ratio	unemploy ratio 2009/2007
Alabama	0.9500	20,133	20,874	4,708,708	4,637,904	0.639	2.217
Alaska	1.0318	3,680	3,484	698,473	682,297	0.633	1.104
Arizona	0.8970	30,570	32,872	6,595,778	6,362,241	0.833	2.051
Arkansas	0.9503	12,699	13,145	2,889,450	2,842,194	0.780	1.841
California	0.9398	170,850	178,178	36,961,664	36,226,122	1.649	1.822
Colorado	0.9376	22,266	22,886	5,024,748	4,842,259	1.200	1.804
Connecticut	0.9438	12,840	13,490	3,518,288	3,488,633	1.605	1.764
Delaware	0.9761	3,759	3,763	885,122	864,896	1.676	2.321
Florida	0.9215	72,158	77,203	18,537,969	18,277,888	1.063	2.332
Georgia	0.9505	45,883	46,820	9,829,211	9,533,761	1.106	2.250
Hawaii	0.9990	6,296	6,213	1,295,178	1,276,832	2.667	2.673
Idaho	0.9238	7,743	8,129	1,545,801	1,499,245	0.590	2.623
Illinois	0.9400	55,014	57,931	12,910,409	12,779,417	1.676	1.998
Indiana	0.9723	28,269	28,727	6,423,113	6,346,113	1.020	2.678
Iowa	0.9763	12,926	13,112	3,007,856	2,978,719	1.200	1.977
Kansas	0.9669	13,403	13,649	2,818,747	2,775,586	0.737	1.451
Kentucky	0.9561	18,553	19,145	4,314,113	4,256,278	0.707	2.426
Louisiana	0.9436	20,270	20,926	4,492,076	4,376,122	0.678	1.769
Maine	0.9538	4,409	4,619	1,318,301	1,317,308	1.450	1.790
Maryland	0.9472	24,730	25,810	5,699,478	5,634,242	1.676	2.608
Massachusetts	0.9492	23,870	24,789	6,593,587	6,499,275	1.722	2.102
Michigan	0.9409	38,109	40,833	9,969,727	10,050,847	1.390	2.268
Minnesota	0.9404	22,810	23,909	5,266,214	5,191,206	1.227	1.841
Mississippi	0.9192	13,900	14,966	2,951,996	2,921,723	0.768	1.426
Missouri	0.9497	25,156	26,144	5,987,580	5,909,824	0.980	1.895
Montana	0.9904	4,035	4,000	974,989	957,225	0.940	1.547
Nebraska	0.9792	8,605	8,657	1,796,619	1,769,912	0.737	1.823
Nevada	0.9077	12,285	13,149	2,643,085	2,567,752	1.279	2.427
New Hampshire	0.9496	4,520	4,734	1,324,575	1,317,343	1.200	2.146
New Jersey	0.9546	35,724	37,116	8,707,739	8,636,043	1.357	2.349
New Mexico	0.9094	8,983	9,677	2,009,671	1,968,731	1.357	2.460
New York	0.9935	82,670	82,708	19,541,453	19,422,777	1.750	1.966
North Carolina	0.9520	41,679	42,300	9,380,884	9,064,074	1.020	2.347
North Dakota	1.0148	2,922	2,841	646,844	638,202	0.849	1.511

Ohio	0.9657	47,478	49,071	11,542,645	11,520,815	1.106	1.848
Oklahoma	0.9627	17,463	17,771	3,687,050	3,612,186	0.515	1.669
Oregon	0.9516	15,322	15,711	3,825,657	3,732,957	1.390	2.306
Pennsylvania	1.0074	49,033	48,356	12,604,767	12,522,531	1.250	1.679
Rhode Island	0.9198	3,749	4,083	1,053,209	1,055,009	1.800	2.213
South Carolina	0.9502	19,972	20,388	4,561,242	4,424,232	0.833	1.721
South Dakota	0.9632	3,924	3,997	812,383	797,035	0.849	1.664
Tennessee	0.9505	26,468	27,301	6,296,254	6,172,862	0.737	2.111
Texas	0.9580	127,976	128,490	24,782,302	23,837,701	0.800	1.889
Utah	0.9516	17,629	17,722	2,784,572	2,663,796	0.540	2.326
Vermont	0.9654	2,021	2,089	621,760	620,460	2.194	2.304
Virginia	0.9432	33,933	35,232	7,882,590	7,719,749	1.128	1.894
Washington	0.9754	28,823	28,666	6,664,195	6,464,979	1.415	2.110
West Virginia	0.9867	6,789	6,848	1,819,777	1,811,198	0.768	2.421
Wisconsin	0.9328	22,129	23,501	5,654,774	5,601,571	1.302	2.539
Wyoming	0.9523	2,527	2,552	544,270	523,414	0.508	2.453

Notes: Birth data: http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58_09.htm

Population estimates: U.S. Census Bureau, population Division. 2009 (December). Table 1. Annual estimates of the resident population for the United States.

Percent voting for Obama/McCain: http://www.cnn.com/ELECTION/2008/

The interactive model (model 3 in Table 8.A2) is:

$$Y = a + b1 (X1) + b2 (X2) + b3 (X1 * X2)$$

Y= BR_Diff 2009/07

X1= Unemp_diff 2009/07

X2= Blue-red voting ratio

The effect of unemployment (in the interactive model, model 3) is given by the first derivative: $dY/X1 = b1 + b3 (X2)$ or $= -.07 + .04 (X2)$. These partial derivatives for selected states are shown in text Table 1.

Table 8.A2. Effects of change in unemployment and blue/red ratio on fertility change: 50 states, Jan-Apr 2009/2007

	Model		
	1	**2**	**3**
Variable:			
Unemployment change	**-0.024**	**-0.027**	**-0.0689**
(SE)	0.01	*0.011*	0.023
Blue/red		**0.008**	**-0.087**
(SE)		0.008	0.049
Interaction			***0.043***
(SE)			0.021
constant	**1.005**	**1.0025**	**1.095**
r-square	**0.109**	**0.126**	**0.195**