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Full statistical results to accompany MPSA 2004 paper entitled
 "Management, Control, and the Challenge of Leaving No Child Behind."

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log:
H:\_research\Projects\Active\StatesMiddleManagers\MPSA2004\Datawork\Analysis\MPSA200
4fin
> a1analyses.log
log type: text
opened on: 13 Mar 2004, 13:49:42
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. *+++++
. *****
. *FINAL ANALYSES FOR MPSA 2004 PAPER
. *****
. *+++++
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. *****
. *Descriptive statistics
. *****
.
. *Dependent variables
. summarize dum1_1 dum1_2 dum1_3 dum1_4 dum1_5 dum1_6 dum2_1 dum2_2 dum2_3 dum3_1
dum3_2 dum3_2a dum3
> _2b dum3_2c dum4_1 dum5_1 dum5_2 dum5_3 dum5_4 dum5_5 dum5_6 dum6_1 dum7_1 dum7_2
dum7_3 dum8_1 dum
> 9_1 dum9_2 dum9_3 dum10_1 dum10_2 naepreads4th03 naepreads8th03
naepmathscale4th03 naepmath
> scale8th03
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Variable	Obs	Mean	Std. Dev.	Min	Max
dum1_1	50	.74	.4430875	0	1
dum1_2	50	.74	.4430875	0	1
dum1_3	50	.78	.418452	0	1
dum1_4	50	.66	.4785181	0	1
dum1_5	50	.76	.4314191	0	1
dum1_6	50	.54	.5034574	0	1
dum2_1	50	.76	.4314191	0	1
dum2_2	50	.64	.4848732	0	1
dum2_3	50	.72	.4535574	0	1
dum3_1	50	.66	.4785181	0	1
dum3_2	50	.6	.4948717	0	1
dum3_2a	50	.64	.4848732	0	1
dum3_2b	50	.62	.4903144	0	1
dum3_2c	50	.62	.4903144	0	1
dum4_1	50	.64	.4848732	0	1
dum5_1	50	.74	.4430875	0	1
dum5_2	50	.66	.4785181	0	1
dum5_3	50	.82	.3880879	0	1
dum5_4	50	.74	.4430875	0	1

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Variable	Obs	Mean	Std. Dev.	Min	Max
dum5_5	50	.66	.4785181	0	1
dum5_6	50	.76	.4314191	0	1
dum6_1	50	.82	.3880879	0	1
dum7_1	50	.66	.4785181	0	1
dum7_2	50	.72	.4535574	0	1
dum7_3	50	.74	.4430875	0	1
dum8_1	50	.64	.4848732	0	1
dum9_1	50	.64	.4848732	0	1
dum9_2	50	.62	.4903144	0	1
dum9_3	50	.7	.46291	0	1
dum10_1	50	.66	.4785181	0	1
dum10_2	50	.68	.4712121	0	1
naepre~4th03	50	218.02	6.457048	203	228
naepre~8th03	50	262.86	5.935057	251	273
naepma~4th03	50	234.5	5.414455	223	243
naepma~8th03	50	277.44	7.450955	261	291

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. *Independent variables
. summarize chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govGOP02 go
> vch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001

```

Variable	Obs	Mean	Std. Dev.	Min	Max
chiefaptg~02	50	.2	.404061	0	1
sbegovapt02	50	.48	.504672	0	1
qcstdact0102	50	76.38	13.23861	31	98
fedrevp~0001	50	7.971843	2.720053	3.938319	15.75757
localre~0001	50	39.9824	12.74693	1.786907	66.32684
divgov02	50	.6	.4948717	0	1
govgop02	50	.54	.5034574	0	1
govch02e1	50	.4	.4948717	0	1
pctwhit~0102	50	68.96535	17.60608	20.31526	96.20499
pctfrre~0001	50	32.09029	14.77784	0	64.2074
pctlepe~0001	50	4.459164	5.376594	0	24.09809

```

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. *****
. *Policy production models
. *****
.
. logit dum1_1 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govGOP02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001

```

```

Iteration 0: log likelihood = -28.652846
Iteration 1: log likelihood = -20.370017
Iteration 2: log likelihood = -19.405051
Iteration 3: log likelihood = -19.263448
Iteration 4: log likelihood = -19.258469
Iteration 5: log likelihood = -19.258461

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```

Logit estimates
Log likelihood = -19.258461
Number of obs = 50
LR chi2(11) = 18.79
Prob > chi2 = 0.0650
Pseudo R2 = 0.3279

```

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dum1_1	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	1.265398	1.442244	0.88	0.380	-1.561348	4.092144
sbegovapt02	-.1571327	.9410048	-0.17	0.867	-2.001468	1.687203
qcstdact0102	-.0784862	.051943	-1.51	0.131	-.1802925	.0233202
fedrevp~0001	-.6247299	.2454702	-2.55	0.011	-1.105843	-.1436172
localre~0001	-.0367497	.0538638	-0.68	0.495	-.1423208	.0688215
divgov02	1.586147	1.007906	1.57	0.116	-.3893137	3.561607
govgop02	.5957641	.9788657	0.61	0.543	-1.322777	2.514305
govch02e1	-.4281994	.8926485	-0.48	0.631	-2.177758	1.32136
pctwhit~0102	-.0587367	.0417467	-1.41	0.159	-.1405586	.0230853
pctfrre~0001	.0707459	.0328879	2.15	0.031	.0062868	.135205
pctlepe~0001	-.0066509	.1164487	-0.06	0.954	-.2348861	.2215844
_cons	14.65461	7.798169	1.88	0.060	-.6295164	29.93875

```
. logit dum1_2 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -28.652846
Iteration 1: log likelihood = -23.173958
Iteration 2: log likelihood = -22.493224
Iteration 3: log likelihood = -22.438695
Iteration 4: log likelihood = -22.438166
Iteration 5: log likelihood = -22.438166
```

```
Logit estimates                                Number of obs =          50
LR chi2(11) =                                12.43
Prob > chi2 =                                0.3322
Log likelihood = -22.438166                   Pseudo R2 =             0.2169
```

dum1_2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	1.205302	1.167875	1.03	0.302	-1.083692	3.494295
sbegovapt02	-.2951878	.8483625	-0.35	0.728	-1.957948	1.367572
qcstdact0102	-.0282196	.0372578	-0.76	0.449	-.1012436	.0448044
fedrevp~0001	-.3487451	.1828061	-1.91	0.056	-.7070384	.0095483
localre~0001	-.0498848	.0470174	-1.06	0.289	-.1420372	.0422676
divgov02	.9318049	.8870864	1.05	0.294	-.8068524	2.670462
govgop02	.9834234	.8937097	1.10	0.271	-.7682154	2.735062
govch02e1	-.0657156	.7936776	-0.08	0.934	-1.621295	1.489864
pctwhit~0102	-.0469094	.0343491	-1.37	0.172	-.1142324	.0204137
pctfrre~0001	.0329948	.0299635	1.10	0.271	-.0257327	.0917222
pctlepe~0001	.0971785	.1263468	0.77	0.442	-.1504567	.3448137
_cons	8.988648	5.86628	1.53	0.125	-2.509051	20.48635

```
. logit dum1_3 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -26.345398
Iteration 1: log likelihood = -19.956128
Iteration 2: log likelihood = -18.689582
Iteration 3: log likelihood = -18.497337
Iteration 4: log likelihood = -18.489631
Iteration 5: log likelihood = -18.489616
```

```
Logit estimates                                Number of obs =          50
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Log likelihood = -18.489616
 LR chi2(11) = 15.71
 Prob > chi2 = 0.1522
 Pseudo R2 = 0.2982

dum1_3	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	.1350604	1.118327	0.12	0.904	-2.056821	2.326941
sbegovapt02	-.5428954	.9902697	-0.55	0.584	-2.483788	1.397998
qcstdact0102	.0359843	.038518	0.93	0.350	-.0395096	.1114783
fedrevp~0001	-.4787077	.1940972	-2.47	0.014	-.8591313	-.0982842
localre~0001	-.0762819	.0512759	-1.49	0.137	-.1767809	.024217
divgov02	-.5146548	.9630578	-0.53	0.593	-2.402213	1.372904
govgop02	.2405545	.9474832	0.25	0.800	-1.616478	2.097588
govch02e1	-1.80305	1.039186	-1.74	0.083	-3.839816	.2337171
pctwhit~0102	.0379727	.0375164	1.01	0.311	-.0355582	.1115036
pctfrre~0001	.0161549	.0353727	0.46	0.648	-.0531744	.0854841
pctlepe~0001	.33007	.1725652	1.91	0.056	-.0081516	.6682917
_cons	2.757699	5.443078	0.51	0.612	-7.910538	13.42594

. logit dum1_4 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
 divgov02 govgop02
 > govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001

Iteration 0: log likelihood = -32.051774
 Iteration 1: log likelihood = -25.781711
 Iteration 2: log likelihood = -25.528539
 Iteration 3: log likelihood = -25.524368
 Iteration 4: log likelihood = -25.524367

Logit estimates
 Number of obs = 50
 LR chi2(11) = 13.05
 Prob > chi2 = 0.2898
 Log likelihood = -25.524367
 Pseudo R2 = 0.2037

dum1_4	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-.5969101	.9491163	-0.63	0.529	-2.457144	1.263324
sbegovapt02	.3078962	.7822711	0.39	0.694	-1.225327	1.841119
qcstdact0102	-.0129805	.0311656	-0.42	0.677	-.074064	.048103
fedrevp~0001	-.4910411	.1828226	-2.69	0.007	-.8493668	-.1327155
localre~0001	-.015459	.0405199	-0.38	0.703	-.0948766	.0639585
divgov02	.4934869	.7766284	0.64	0.525	-1.028677	2.015651
govgop02	.6219209	.8263085	0.75	0.452	-.9976141	2.241456
govch02e1	-.5507022	.7375895	-0.75	0.455	-1.996351	.8949466
pctwhit~0102	-.0404729	.0303465	-1.33	0.182	-.099951	.0190052
pctfrre~0001	.0121232	.0272131	0.45	0.656	-.0412135	.0654599
pctlepe~0001	-.0539433	.0855833	-0.63	0.528	-.2216835	.1137968
_cons	8.533893	4.915078	1.74	0.083	-1.099482	18.16727

. logit dum1_5 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
 divgov02 govgop02
 > govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001

Iteration 0: log likelihood = -27.553996
 Iteration 1: log likelihood = -17.886155
 Iteration 2: log likelihood = -16.208568
 Iteration 3: log likelihood = -15.87622
 Iteration 4: log likelihood = -15.848815
 Iteration 5: log likelihood = -15.848529

Iteration 6: log likelihood = -15.848529

Logit estimates
 Number of obs = 50
 LR chi2(11) = 23.41
 Prob > chi2 = 0.0155
 Pseudo R2 = 0.4248
 Log likelihood = -15.848529

dum1_5	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-.4385383	1.338617	-0.33	0.743	-3.062178	2.185102
sbegovapt02	-.4020567	1.20809	-0.33	0.739	-2.769869	1.965756
qcstdact0102	.0018896	.036719	0.05	0.959	-.0700783	.0738575
fedrevp~0001	-.3036317	.2007384	-1.51	0.130	-.6970717	.0898083
localre~0001	.1262972	.0703857	1.79	0.073	-.0116563	.2642507
divgov02	.98627	1.161252	0.85	0.396	-1.289743	3.262283
govgop02	.8578675	1.205861	0.71	0.477	-1.505576	3.221311
govch02e1	.6493618	.9951945	0.65	0.514	-1.301184	2.599907
pctwhit~0102	-.0978243	.0434225	-2.25	0.024	-.1829309	-.0127178
pctfrre~0001	.041986	.0448066	0.94	0.349	-.0458332	.1298053
pctlepe~0001	-.069003	.115809	-0.60	0.551	-.2959845	.1579785
_cons	4.213172	5.264472	0.80	0.424	-6.105004	14.53135

```
. logit dum1_6 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

Iteration 0: log likelihood = -34.497188
 Iteration 1: log likelihood = -23.924599
 Iteration 2: log likelihood = -23.216901
 Iteration 3: log likelihood = -23.194075
 Iteration 4: log likelihood = -23.194032

Logit estimates
 Number of obs = 50
 LR chi2(11) = 22.61
 Prob > chi2 = 0.0201
 Pseudo R2 = 0.3277
 Log likelihood = -23.194032

dum1_6	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-1.782635	1.055894	-1.69	0.091	-3.85215	.2868797
sbegovapt02	.0529104	.8376961	0.06	0.950	-1.588944	1.694765
qcstdact0102	-.0327215	.0315474	-1.04	0.300	-.0945533	.0291103
fedrevp~0001	-.2590624	.1797339	-1.44	0.149	-.6113344	.0932096
localre~0001	.0648844	.0449362	1.44	0.149	-.0231888	.1529577
divgov02	.1681671	.8503717	0.20	0.843	-1.498531	1.834865
govgop02	-.6028007	.8693927	-0.69	0.488	-2.306779	1.101178
govch02e1	-1.093352	.8211184	-1.33	0.183	-2.702714	.516011
pctwhit~0102	-.0922271	.034875	-2.64	0.008	-.1605807	-.0238734
pctfrre~0001	-.0067636	.0305677	-0.22	0.825	-.0666752	.053148
pctlepe~0001	-.0800052	.0948302	-0.84	0.399	-.2658689	.1058586
_cons	10.14808	5.271987	1.92	0.054	-.1848236	20.48099

```
. logit dum2_1 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

Iteration 0: log likelihood = -27.553996
 Iteration 1: log likelihood = -17.502504

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Iteration 2: log likelihood = -16.461029
 Iteration 3: log likelihood = -16.350925
 Iteration 4: log likelihood = -16.347482
 Iteration 5: log likelihood = -16.347476

Logit estimates Number of obs = 50
LR chi2(11) = 22.41
Prob > chi2 = 0.0214
Pseudo R2 = 0.4067
 Log likelihood = -16.347476

dum2_1	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
chiefaptg~02	-.3759411	1.471497	-0.26	0.798	-3.260022 2.50814
sbegovapt02	-.6053871	1.088045	-0.56	0.578	-2.737916 1.527142
qcstdact0102	-.0521292	.0491374	-1.06	0.289	-.1484367 .0441783
fedrevp~0001	-.7170319	.2733476	-2.62	0.009	-1.252783 -.1812805
localre~0001	-.0105052	.0621063	-0.17	0.866	-.1322313 .1112209
divgov02	1.037308	1.107528	0.94	0.349	-1.133408 3.208024
govgop02	.2138039	1.127827	0.19	0.850	-1.996696 2.424304
govch02e1	-.6959564	.984289	-0.71	0.480	-2.625127 1.233215
pctwhit~0102	-.0706471	.0455565	-1.55	0.121	-.1599361 .0186419
pctfrre~0001	.0688478	.0341375	2.02	0.044	.0019394 .1357561
pctlepe~0001	-.0094928	.1322146	-0.07	0.943	-.2686288 .2496431
_cons	14.57088	7.860879	1.85	0.064	-.8361583 29.97792

. logit dum2_2 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
 divgov02 govgop02
 > govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001

Iteration 0: log likelihood = -32.67091
 Iteration 1: log likelihood = -27.413651
 Iteration 2: log likelihood = -27.228516
 Iteration 3: log likelihood = -27.22554
 Iteration 4: log likelihood = -27.225539

Logit estimates Number of obs = 50
LR chi2(11) = 10.89
Prob > chi2 = 0.4525
Pseudo R2 = 0.1667
 Log likelihood = -27.225539

dum2_2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
chiefaptg~02	-.5269674	.9096436	-0.58	0.562	-2.309836 1.255901
sbegovapt02	-.1202971	.7375468	-0.16	0.870	-1.565862 1.325268
qcstdact0102	-.057906	.0369312	-1.57	0.117	-.1302898 .0144777
fedrevp~0001	-.4281238	.1683381	-2.54	0.011	-.7580604 -.0981872
localre~0001	-.0085438	.0397696	-0.21	0.830	-.0864908 .0694032
divgov02	.4835603	.7607474	0.64	0.525	-1.007477 1.974598
govgop02	.4803656	.7751408	0.62	0.535	-1.038883 1.999614
govch02e1	.2189008	.7064284	0.31	0.757	-1.165673 1.603475
pctwhit~0102	-.0243371	.0295265	-0.82	0.410	-.082208 .0335338
pctfrre~0001	.0204258	.0262449	0.78	0.436	-.0310131 .0718648
pctlepe~0001	.0015544	.0801406	0.02	0.985	-.1555182 .158627
_cons	9.428847	5.123567	1.84	0.066	-.613161 19.47085

. logit dum2_3 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
 divgov02 govgop02
 > govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001

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Iteration 0: log likelihood = -29.647666
 Iteration 1: log likelihood = -23.713735
 Iteration 2: log likelihood = -23.426156
 Iteration 3: log likelihood = -23.419549
 Iteration 4: log likelihood = -23.419542

Logit estimates Number of obs = 50
LR chi2(11) = 12.46
Prob > chi2 = 0.3303
 Log likelihood = -23.419542 Pseudo R2 = 0.2101

dum2_3	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-1.291791	1.011894	-1.28	0.202	-3.275068	.6914854
sbegovapt02	-.1495579	.8405526	-0.18	0.859	-1.797011	1.497895
qcstdact0102	-.0457146	.0375556	-1.22	0.224	-.1193221	.027893
fedrevp~0001	-.4482498	.1740163	-2.58	0.010	-.7893155	-.1071841
localre~0001	.003941	.043693	0.09	0.928	-.0816956	.0895777
divgov02	.7758657	.8502166	0.91	0.361	-.8905282	2.44226
govgop02	.3357113	.8490637	0.40	0.693	-1.328423	1.999846
govch02el	-.1674019	.7651802	-0.22	0.827	-1.667128	1.332324
pctwhit~0102	-.0278704	.0317522	-0.88	0.380	-.0901035	.0343627
pctfrre~0001	.0152946	.0284249	0.54	0.591	-.0404172	.0710065
pctlepe~0001	.0324956	.0925064	0.35	0.725	-.1488136	.2138048
_cons	9.153303	5.256338	1.74	0.082	-1.148931	19.45554

```
. logit dum3_1 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02el pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

Iteration 0: log likelihood = -32.051774
 Iteration 1: log likelihood = -26.072102
 Iteration 2: log likelihood = -25.665719
 Iteration 3: log likelihood = -25.646667
 Iteration 4: log likelihood = -25.6466

Logit estimates Number of obs = 50
LR chi2(11) = 12.81
Prob > chi2 = 0.3059
 Log likelihood = -25.6466 Pseudo R2 = 0.1998

dum3_1	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-.3483032	.9497078	-0.37	0.714	-2.209696	1.51309
sbegovapt02	-.2917228	.759712	-0.38	0.701	-1.780731	1.197285
qcstdact0102	-.0465355	.0336384	-1.38	0.167	-.1124655	.0193945
fedrevp~0001	-.3114401	.1683412	-1.85	0.064	-.6413829	.0185027
localre~0001	.0028947	.041111	0.07	0.944	-.0776813	.0834708
divgov02	.4380158	.7992449	0.55	0.584	-1.128475	2.004507
govgop02	.4507367	.7866614	0.57	0.567	-1.091091	1.992565
govch02el	.4147282	.7261454	0.57	0.568	-1.008491	1.837947
pctwhit~0102	-.0574408	.0323612	-1.77	0.076	-.1208675	.0059859
pctfrre~0001	.0227949	.0282755	0.81	0.420	-.032624	.0782139
pctlepe~0001	.0866904	.1082342	0.80	0.423	-.1254448	.2988256
_cons	9.177355	5.434196	1.69	0.091	-1.473474	19.82818

```
. logit dum3_2 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
```

> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepe110001

Iteration 0: log likelihood = -33.650583
 Iteration 1: log likelihood = -25.317475
 Iteration 2: log likelihood = -24.778324
 Iteration 3: log likelihood = -24.7504
 Iteration 4: log likelihood = -24.750268

Logit estimates
 Log likelihood = -24.750268
 Number of obs = 50
 LR chi2(11) = 17.80
 Prob > chi2 = 0.0863
 Pseudo R2 = 0.2645

dum3_2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-2.036357	1.112615	-1.83	0.067	-4.217042	.1443279
sbegovapt02	1.49296	.8209824	1.82	0.069	-.1161364	3.102056
qcstdact0102	-.0668253	.03822294	-1.75	0.080	-.1417535	.008103
fedrevp~0001	-.5033503	.1874834	-2.68	0.007	-.870811	-.1358897
localre~0001	-.0191644	.0442729	-0.43	0.665	-.1059377	.0676089
divgov02	1.102133	.8841744	1.25	0.213	-.6308173	2.835083
govgop02	.2530146	.8294297	0.31	0.760	-1.372638	1.878667
govch02e1	-.2954896	.7663668	-0.39	0.700	-1.797541	1.206562
pctwhit~0102	-.068934	.0355642	-1.94	0.053	-.1386386	.0007706
pctfrre~0001	.0136515	.0282238	0.48	0.629	-.0416661	.068969
pctlepe~0001	-.060157	.0919845	-0.65	0.513	-.2404434	.1201294
_cons	14.02799	6.275388	2.24	0.025	1.728458	26.32753

. logit dum3_2a chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
 divgov02 govgop0
 > 2 govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepe110001

Iteration 0: log likelihood = -32.67091
 Iteration 1: log likelihood = -23.711091
 Iteration 2: log likelihood = -23.056201
 Iteration 3: log likelihood = -23.021931
 Iteration 4: log likelihood = -23.021769

Logit estimates
 Log likelihood = -23.021769
 Number of obs = 50
 LR chi2(11) = 19.30
 Prob > chi2 = 0.0559
 Pseudo R2 = 0.2953

dum3_2a	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-1.590473	1.040536	-1.53	0.126	-3.629887	.4489405
sbegovapt02	.9412759	.8502856	1.11	0.268	-.7252532	2.607805
qcstdact0102	-.0583489	.0396688	-1.47	0.141	-.1360983	.0194005
fedrevp~0001	-.568866	.1956657	-2.91	0.004	-.9523638	-.1853682
localre~0001	.0212455	.0437543	0.49	0.627	-.0645113	.1070023
divgov02	.6412413	.8575611	0.75	0.455	-1.039548	2.32203
govgop02	.6139699	.876121	0.70	0.483	-1.103196	2.331135
govch02e1	-.6506177	.7876809	-0.83	0.409	-2.194444	.8932086
pctwhit~0102	-.0562027	.0319932	-1.76	0.079	-.1189082	.0065027
pctfrre~0001	.014076	.0291142	0.48	0.629	-.0429869	.0711388
pctlepe~0001	-.0539609	.0921948	-0.59	0.558	-.2346595	.1267377
_cons	12.06882	5.442587	2.22	0.027	1.401547	22.7361

. logit dum3_2b chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001

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divgov02 govGOP0
 > 2 govch02e1 pctwhitestu0102 pctfredlunch0001 pctlepell0001

Iteration 0: log likelihood = -33.203206
 Iteration 1: log likelihood = -26.564894
 Iteration 2: log likelihood = -26.305816
 Iteration 3: log likelihood = -26.301373
 Iteration 4: log likelihood = -26.30137

Logit estimates
 Number of obs = 50
 LR chi2(11) = 13.80
 Prob > chi2 = 0.2440
 Pseudo R2 = 0.2079
 Log likelihood = -26.30137

dum3_2b	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-1.13822	.9402535	-1.21	0.226	-2.981083	.7046433
sbegovapt02	1.152596	.7830029	1.47	0.141	-.3820611	2.687254
qcstdact0102	-.0502265	.0346927	-1.45	0.148	-.118223	.0177699
fedrevp~0001	-.4551095	.1706932	-2.67	0.008	-.789662	-.1205569
localre~0001	.0033684	.0412053	0.08	0.935	-.0773925	.0841294
divgov02	.4285837	.7994473	0.54	0.592	-1.138304	1.995472
govgop02	.4025492	.8078497	0.50	0.618	-1.180807	1.985905
govch02e1	.1195856	.7393654	0.16	0.872	-1.329544	1.568715
pctwhit~0102	-.0537239	.031361	-1.71	0.087	-.1151903	.0077425
pctfrre~0001	.0189191	.0274315	0.69	0.490	-.0348457	.0726839
pctlepe~0001	-.0493084	.0860518	-0.57	0.567	-.2179669	.1193501
_cons	10.44371	5.254858	1.99	0.047	.1443739	20.74304

. logit dum3_2c chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
 divgov02 govGOP0
 > 2 govch02e1 pctwhitestu0102 pctfredlunch0001 pctlepell0001

Iteration 0: log likelihood = -33.203206
 Iteration 1: log likelihood = -26.564894
 Iteration 2: log likelihood = -26.305816
 Iteration 3: log likelihood = -26.301373
 Iteration 4: log likelihood = -26.30137

Logit estimates
 Number of obs = 50
 LR chi2(11) = 13.80
 Prob > chi2 = 0.2440
 Pseudo R2 = 0.2079
 Log likelihood = -26.30137

dum3_2c	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-1.13822	.9402535	-1.21	0.226	-2.981083	.7046433
sbegovapt02	1.152596	.7830029	1.47	0.141	-.3820611	2.687254
qcstdact0102	-.0502265	.0346927	-1.45	0.148	-.118223	.0177699
fedrevp~0001	-.4551095	.1706932	-2.67	0.008	-.789662	-.1205569
localre~0001	.0033684	.0412053	0.08	0.935	-.0773925	.0841294
divgov02	.4285837	.7994473	0.54	0.592	-1.138304	1.995472
govgop02	.4025492	.8078497	0.50	0.618	-1.180807	1.985905
govch02e1	.1195856	.7393654	0.16	0.872	-1.329544	1.568715
pctwhit~0102	-.0537239	.031361	-1.71	0.087	-.1151903	.0077425
pctfrre~0001	.0189191	.0274315	0.69	0.490	-.0348457	.0726839
pctlepe~0001	-.0493084	.0860518	-0.57	0.567	-.2179669	.1193501
_cons	10.44371	5.254858	1.99	0.047	.1443739	20.74304

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```
. logit dum4_1 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govGOP02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -32.67091
Iteration 1: log likelihood = -25.557988
Iteration 2: log likelihood = -25.144925
Iteration 3: log likelihood = -25.13337
Iteration 4: log likelihood = -25.133355
```

```
Logit estimates                                Number of obs =          50
LR chi2(11) =          15.08
Prob > chi2 =          0.1791
Pseudo R2 =          0.2307

Log likelihood = -25.133355
```

dum4_1	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-.6069906	.9208092	-0.66	0.510	-2.411743	1.197762
sbegovapt02	1.161844	.8327084	1.40	0.163	-.4702346	2.793922
qcstdact0102	-.0467755	.035685	-1.31	0.190	-.1167167	.0231657
fedrevp~0001	-.4137317	.1712675	-2.42	0.016	-.7494098	-.0780537
localre~0001	.020406	.0420099	0.49	0.627	-.0619319	.1027439
divgov02	.0296485	.8062247	0.04	0.971	-1.550523	1.60982
govGOP02	.9651038	.8208669	1.18	0.240	-.6437658	2.573973
govch02e1	-.1428512	.7589007	-0.19	0.851	-1.630269	1.344567
pctwhit~0102	-.0737593	.0329552	-2.24	0.025	-.1383503	-.0091683
pctfrre~0001	.000705	.0276842	0.03	0.980	-.0535551	.0549651
pctlepe~0001	-.1006471	.0862684	-1.17	0.243	-.2697301	.0684359
_cons	11.44588	5.303196	2.16	0.031	1.051807	21.83996

```
. logit dum5_1 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govGOP02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -28.652846
Iteration 1: log likelihood = -18.252535
Iteration 2: log likelihood = -16.657704
Iteration 3: log likelihood = -16.264346
Iteration 4: log likelihood = -16.221555
Iteration 5: log likelihood = -16.220917
Iteration 6: log likelihood = -16.220916
```

```
Logit estimates                                Number of obs =          50
LR chi2(11) =          24.86
Prob > chi2 =          0.0095
Pseudo R2 =          0.4339

Log likelihood = -16.220916
```

dum5_1	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-3.230733	1.614338	-2.00	0.045	-6.394778	-.0666893
sbegovapt02	.0023657	1.181455	0.00	0.998	-2.313244	2.317976
qcstdact0102	-.0370846	.0416642	-0.89	0.373	-.118745	.0445757
fedrevp~0001	-.6852891	.2657781	-2.58	0.010	-1.206205	-.1643736
localre~0001	.0659265	.0621589	1.06	0.289	-.0559028	.1877558
divgov02	2.139484	1.287699	1.66	0.097	-.3843586	4.663328
govGOP02	.7283535	1.157577	0.63	0.529	-1.540456	2.997163
govch02e1	-.4545565	1.012128	-0.45	0.653	-2.438291	1.529178
pctwhit~0102	-.0614156	.0375287	-1.64	0.102	-.1349705	.0121393

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pctfrre~0001		.0539759	.0356005	1.52	0.129	-.0157999	.1237517
pctlepe~0001		-.2219159	.1117239	-1.99	0.047	-.4408908	-.002941
_cons		10.40116	5.642022	1.84	0.065	-.6569988	21.45932

```
. logit dum5_2 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govGOP02
> govch02el pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -32.051774
Iteration 1: log likelihood = -25.245747
Iteration 2: log likelihood = -24.94943
Iteration 3: log likelihood = -24.939983
Iteration 4: log likelihood = -24.939967
```

```
Logit estimates                                     Number of obs =          50
                                                    LR chi2(11) =          14.22
                                                    Prob > chi2 =          0.2209
Log likelihood = -24.939967                       Pseudo R2 =           0.2219
```

dum5_2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
chiefaptg~02	-.5808859	.9509379	-0.61	0.541	-2.44469 1.282918
sbegovapt02	.6211499	.7883103	0.79	0.431	-.9239099 2.16621
qcstdact0102	-.0614632	.0400336	-1.54	0.125	-.1399276 .0170012
fedrevp~0001	-.549994	.1844917	-2.98	0.003	-.911591 -.1883969
localre~0001	-.0086154	.0414937	-0.21	0.836	-.0899415 .0727107
divgov02	.1923587	.8198993	0.23	0.815	-1.414614 1.799332
govGOP02	.3173111	.8380236	0.38	0.705	-1.325185 1.959807
govch02el	.1289003	.7452939	0.17	0.863	-1.331849 1.589649
pctwhit~0102	-.0332171	.0318166	-1.04	0.296	-.0955764 .0291422
pctfrre~0001	.0236954	.0273509	0.87	0.386	-.0299114 .0773022
pctlepe~0001	.0254636	.0917987	0.28	0.781	-.1544585 .2053856
_cons	11.19134	5.640992	1.98	0.047	.1351939 22.24748

```
. logit dum5_3 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govGOP02
> govch02el pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -23.569674
Iteration 1: log likelihood = -16.142352
Iteration 2: log likelihood = -14.510623
Iteration 3: log likelihood = -14.235705
Iteration 4: log likelihood = -14.216558
Iteration 5: log likelihood = -14.216422
```

```
Logit estimates                                     Number of obs =          50
                                                    LR chi2(11) =          18.71
                                                    Prob > chi2 =          0.0666
Log likelihood = -14.216422                       Pseudo R2 =           0.3968
```

dum5_3	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
chiefaptg~02	-1.423317	1.493154	-0.95	0.340	-4.349845 1.503211
sbegovapt02	1.71557	1.568279	1.09	0.274	-1.358201 4.789341
qcstdact0102	-.0293409	.0476711	-0.62	0.538	-.1227745 .0640928
fedrevp~0001	-.5562665	.2498695	-2.23	0.026	-1.046002 -.0665314
localre~0001	.0494027	.0659887	0.75	0.454	-.0799328 .1787382
divgov02	1.842631	1.366883	1.35	0.178	-.8364098 4.521671
govGOP02	.5350541	1.26158	0.42	0.671	-1.937598 3.007706

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govch02e1	.6451266	1.144696	0.56	0.573	-1.598437	2.88869
pctwhit~0102	-.1231094	.0581694	-2.12	0.034	-.2371193	-.0090994
pctfrre~0001	.0318657	.037164	0.86	0.391	-.0409744	.1047058
pctlepe~0001	-.165118	.1373141	-1.20	0.229	-.4342486	.1040126
_cons	13.48944	7.74732	1.74	0.082	-1.695033	28.6739

```
. logit dum5_4 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govGOP02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -28.652846
Iteration 1: log likelihood = -18.925623
Iteration 2: log likelihood = -17.494674
Iteration 3: log likelihood = -17.278535
Iteration 4: log likelihood = -17.269239
Iteration 5: log likelihood = -17.269212
```

```
Logit estimates                                     Number of obs =          50
LR chi2(11)                                       =          22.77
Prob > chi2                                       =          0.0191
Pseudo R2                                         =          0.3973
```

dum5_4	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
chiefaptg~02	-1.369984	1.260082	-1.09	0.277	-3.839699 1.099732
sbegovapt02	1.840616	1.273543	1.45	0.148	-.6554835 4.336715
qcstdact0102	-.0734093	.0496583	-1.48	0.139	-.1707377 .0239191
fedrevp~0001	-.6128215	.2354589	-2.60	0.009	-1.074313 -.1513305
localre~0001	.064419	.0539484	1.19	0.232	-.041318 .1701559
divgov02	1.251119	1.198773	1.04	0.297	-1.098432 3.600671
govGOP02	.0379657	1.104688	0.03	0.973	-2.127183 2.203115
govch02e1	1.74792	1.111056	1.57	0.116	-.4297087 3.925549
pctwhit~0102	-.1084308	.0513204	-2.11	0.035	-.209017 -.0078446
pctfrre~0001	.0615491	.036279	1.70	0.090	-.0095564 .1326546
pctlepe~0001	-.1114859	.1191085	-0.94	0.349	-.3449343 .1219625
_cons	13.73811	7.805965	1.76	0.078	-1.561296 29.03753

```
. logit dum5_5 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govGOP02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -32.051774
Iteration 1: log likelihood = -27.620025
Iteration 2: log likelihood = -27.425051
Iteration 3: log likelihood = -27.42143
Iteration 4: log likelihood = -27.421428
```

```
Logit estimates                                     Number of obs =          50
LR chi2(11)                                       =          9.26
Prob > chi2                                       =          0.5978
Pseudo R2                                         =          0.1445
```

dum5_5	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
chiefaptg~02	-.4202527	.9206026	-0.46	0.648	-2.224601 1.384095
sbegovapt02	.0963537	.7382048	0.13	0.896	-1.350501 1.543209
qcstdact0102	-.0428833	.0333879	-1.28	0.199	-.1083225 .0225558
fedrevp~0001	-.3209104	.1595505	-2.01	0.044	-.6336237 -.0081971
localre~0001	-.0083194	.0393801	-0.21	0.833	-.0855031 .0688642

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divgov02	.3902849	.7654935	0.51	0.610	-1.110055	1.890624
govgop02	.0603994	.7632749	0.08	0.937	-1.435592	1.556391
govch02e1	-.119962	.6960825	-0.17	0.863	-1.484259	1.244335
pctwhit~0102	-.0415333	.0302553	-1.37	0.170	-.1008325	.0177659
pctfrre~0001	.01004	.0266972	0.38	0.707	-.0422856	.0623657
pctlepe~0001	.0763852	.0968842	0.79	0.430	-.1135044	.2662749
_cons	8.992161	5.156834	1.74	0.081	-1.115047	19.09937

```
. logit dum5_6 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -27.553996
Iteration 1: log likelihood = -21.29666
Iteration 2: log likelihood = -20.724595
Iteration 3: log likelihood = -20.693576
Iteration 4: log likelihood = -20.69335
Iteration 5: log likelihood = -20.69335
```

```
Logit estimates                                     Number of obs =          50
LR chi2(11) =          13.72
Prob > chi2 =          0.2488
Pseudo R2 =          0.2490
```

dum5_6	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
chiefaptg~02	-1.670944	1.056489	-1.58	0.114	-3.741625 .3997372
sbegovapt02	.9870871	1.004061	0.98	0.326	-.9808361 2.95501
qcstdact0102	-.0302456	.0340057	-0.89	0.374	-.0968955 .0364043
fedrevp~0001	-.412465	.1848127	-2.23	0.026	-.7746912 -.0502389
localre~0001	.0193457	.0482829	0.40	0.689	-.0752871 .1139785
divgov02	.6249424	.9948878	0.63	0.530	-1.325002 2.574887
govgop02	.3615497	.9808445	0.37	0.712	-1.56087 2.28397
govch02e1	.8422279	.9050806	0.93	0.352	-.9316974 2.616153
pctwhit~0102	-.0701604	.0384868	-1.82	0.068	-.145593 .0052723
pctfrre~0001	.024481	.0307688	0.80	0.426	-.0358247 .0847867
pctlepe~0001	-.0294372	.1061144	-0.28	0.781	-.2374177 .1785432
_cons	9.574917	5.730311	1.67	0.095	-1.656286 20.80612

```
. logit dum6_1 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -23.569674
Iteration 1: log likelihood = -17.352206
Iteration 2: log likelihood = -15.491673
Iteration 3: log likelihood = -14.935956
Iteration 4: log likelihood = -14.862514
Iteration 5: log likelihood = -14.860981
Iteration 6: log likelihood = -14.86098
```

```
Logit estimates                                     Number of obs =          50
LR chi2(11) =          17.42
Prob > chi2 =          0.0961
Pseudo R2 =          0.3695
```

dum6_1	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
--------	-------	-----------	---	------	----------------------

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chiefaptg~02	-3.420039	1.79443	-1.91	0.057	-6.937058	.09698
sbegovapt02	-.9418816	1.339326	-0.70	0.482	-3.566913	1.68315
qcstdact0102	-.0242047	.0404283	-0.60	0.549	-.1034427	.0550332
fedrevp~0001	-.3840285	.2065798	-1.86	0.063	-.7889175	.0208605
localre~0001	.0817784	.0653119	1.25	0.211	-.0462305	.2097873
divgov02	3.266264	1.617778	2.02	0.043	.0954773	6.437051
govgop02	1.979116	1.312281	1.51	0.132	-.5929063	4.551139
govch02e1	-.9175692	1.033584	-0.89	0.375	-2.943357	1.108219
pctwhit~0102	-.0562819	.0412832	-1.36	0.173	-.1371955	.0246316
pctfrre~0001	.0226478	.0404508	0.56	0.576	-.0566344	.1019299
pctlepe~0001	-.0619654	.1090946	-0.57	0.570	-.2757869	.1518561
_cons	6.737392	5.064321	1.33	0.183	-3.188494	16.66328

```
. logit dum7_1 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -32.051774
Iteration 1: log likelihood = -24.416295
Iteration 2: log likelihood = -23.819331
Iteration 3: log likelihood = -23.787474
Iteration 4: log likelihood = -23.787335
Iteration 5: log likelihood = -23.787335
```

```
Logit estimates                                     Number of obs =          50
LR chi2(11) =                                     16.53
Prob > chi2 =                                     0.1226
Pseudo R2 =                                       0.2578

Log likelihood = -23.787335
```

dum7_1	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
chiefaptg~02	-.7101653	.9919156	-0.72	0.474	-2.654284 1.233954
sbegovapt02	-.5394232	.8168208	-0.66	0.509	-2.140363 1.061516
qcstdact0102	-.0658223	.0393685	-1.67	0.095	-.1429831 .0113385
fedrevp~0001	-.3653089	.1745004	-2.09	0.036	-.7073234 -.0232944
localre~0001	.0491616	.0433164	1.13	0.256	-.0357369 .1340602
divgov02	.1808805	.8287961	0.22	0.827	-1.44353 1.805291
govgop02	1.261591	.8564315	1.47	0.141	-.4169839 2.940166
govch02e1	-.4444209	.7590127	-0.59	0.558	-1.932059 1.043217
pctwhit~0102	-.0524523	.0312858	-1.68	0.094	-.1137713 .0088668
pctfrre~0001	.0282671	.0287786	0.98	0.326	-.028138 .0846722
pctlepe~0001	.0287817	.0927462	0.31	0.756	-.1529975 .2105608
_cons	9.288439	5.182815	1.79	0.073	-.8696911 19.44657

```
. logit dum7_2 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -29.647666
Iteration 1: log likelihood = -20.87775
Iteration 2: log likelihood = -19.688622
Iteration 3: log likelihood = -19.53885
Iteration 4: log likelihood = -19.534886
Iteration 5: log likelihood = -19.534882
```

```
Logit estimates                                     Number of obs =          50
LR chi2(11) =                                     20.23
Prob > chi2 =                                     0.0423
Pseudo R2 =                                       0.3411

Log likelihood = -19.534882
```

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dum7_2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-1.842705	1.208111	-1.53	0.127	-4.210558	.5251481
sbegovapt02	1.088706	1.055947	1.03	0.303	-.9809128	3.158324
qcstdact0102	-.0500425	.0379565	-1.32	0.187	-.1244359	.0243509
fedrevp~0001	-.4266895	.1862194	-2.29	0.022	-.7916727	-.0617062
localre~0001	.0999132	.0561178	1.78	0.075	-.0100758	.2099021
divgov02	-.2741275	1.031518	-0.27	0.790	-2.295865	1.74761
govgop02	.160128	.9317115	0.17	0.864	-1.665993	1.986249
govch02e1	1.078315	.9582934	1.13	0.260	-.7999054	2.956536
pctwhit~0102	-.096854	.0420947	-2.30	0.021	-.1793581	-.0143499
pctfrre~0001	.0141402	.0326949	0.43	0.665	-.0499406	.078221
pctlepe~0001	.0038166	.1043969	0.04	0.971	-.2007975	.2084308
_cons	10.5598	5.850181	1.81	0.071	-.9063439	22.02594

```
. logit dum7_3 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -28.652846
Iteration 1: log likelihood = -22.75659
Iteration 2: log likelihood = -22.400025
Iteration 3: log likelihood = -22.391185
Iteration 4: log likelihood = -22.391173
```

```
Logit estimates                                Number of obs =          50
                                                LR chi2(11)          =         12.52
                                                Prob > chi2          =         0.3256
Log likelihood = -22.391173                    Pseudo R2            =         0.2185
```

dum7_3	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-1.089597	1.009457	-1.08	0.280	-3.068097	.8889033
sbegovapt02	.363873	.8861444	0.41	0.681	-1.372938	2.100684
qcstdact0102	-.0151694	.0321636	-0.47	0.637	-.078209	.0478701
fedrevp~0001	-.3246449	.1733661	-1.87	0.061	-.6644362	.0151464
localre~0001	-.0001333	.0458048	-0.00	0.998	-.0899091	.0896424
divgov02	.9155928	.9353687	0.98	0.328	-.9176961	2.748882
govgop02	.2769247	.9305629	0.30	0.766	-1.546945	2.100794
govch02e1	.2139244	.8078175	0.26	0.791	-1.369369	1.797218
pctwhit~0102	-.0566459	.0347	-1.63	0.103	-.1246568	.0113649
pctfrre~0001	.0316967	.0301429	1.05	0.293	-.0273824	.0907757
pctlepe~0001	.0138133	.1102784	0.13	0.900	-.2023284	.2299551
_cons	7.203217	5.406961	1.33	0.183	-3.394232	17.80067

```
. logit dum8_1 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -32.67091
Iteration 1: log likelihood = -25.463554
Iteration 2: log likelihood = -24.873543
Iteration 3: log likelihood = -24.837573
Iteration 4: log likelihood = -24.837384
Iteration 5: log likelihood = -24.837384
```

```
Logit estimates                                Number of obs =          50
```

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Log likelihood = -24.837384
 LR chi2(11) = 15.67
 Prob > chi2 = 0.1539
 Pseudo R2 = 0.2398

dum8_1	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	.1357508	.9917635	0.14	0.891	-1.80807	2.079572
sbegovapt02	1.44684	.8411843	1.72	0.085	-.2018504	3.095531
qcstdact0102	-.0725469	.0421091	-1.72	0.085	-.1550792	.0099854
fedrevp~0001	-.5024458	.1812745	-2.77	0.006	-.8577372	-.1471544
localre~0001	.0244405	.0415984	0.59	0.557	-.0570909	.1059719
divgov02	.4859158	.8415502	0.58	0.564	-1.163492	2.135324
govgop02	.0261374	.8365692	0.03	0.975	-1.613508	1.665783
govch02e1	.4682505	.7708151	0.61	0.544	-1.042519	1.97902
pctwhit~0102	-.0536172	.0330983	-1.62	0.105	-.1184887	.0112542
pctfrre~0001	.0328083	.0284446	1.15	0.249	-.022942	.0885586
pctlepe~0001	-.018007	.0916053	-0.20	0.844	-.19755	.161536
_cons	10.95561	5.827139	1.88	0.060	-.4653684	22.3766

```
. logit dum9_1 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -32.67091
Iteration 1: log likelihood = -23.507362
Iteration 2: log likelihood = -22.67672
Iteration 3: log likelihood = -22.597995
Iteration 4: log likelihood = -22.596628
Iteration 5: log likelihood = -22.596628
```

Logit estimates
 Number of obs = 50
 LR chi2(11) = 20.15
 Prob > chi2 = 0.0433
 Pseudo R2 = 0.3084
 Log likelihood = -22.596628

dum9_1	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-1.818617	1.246847	-1.46	0.145	-4.262392	.6251586
sbegovapt02	-.508066	.8107956	-0.63	0.531	-2.097196	1.081064
qcstdact0102	-.0599808	.0376126	-1.59	0.111	-.1337002	.0137386
fedrevp~0001	-.4002705	.2031182	-1.97	0.049	-.7983748	-.0021661
localre~0001	-.0249769	.0486525	-0.51	0.608	-.120334	.0703802
divgov02	1.440805	.9036475	1.59	0.111	-.3303111	3.211922
govgop02	-.2154201	.829413	-0.26	0.795	-1.84104	1.410199
govch02e1	-1.115971	.8015501	-1.39	0.164	-2.68698	.4550384
pctwhit~0102	-.0821725	.041208	-1.99	0.046	-.1629388	-.0014063
pctfrre~0001	-.0051464	.0329029	-0.16	0.876	-.0696349	.0593421
pctlepe~0001	.0564257	.1113244	0.51	0.612	-.1617662	.2746175
_cons	15.42605	7.268171	2.12	0.034	1.180695	29.6714

```
. logit dum9_2 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

```
Iteration 0: log likelihood = -33.203206
Iteration 1: log likelihood = -25.512161
Iteration 2: log likelihood = -24.898056
Iteration 3: log likelihood = -24.856608
```


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Iteration 4: log likelihood = -24.856357
 Iteration 5: log likelihood = -24.856357

Logit estimates Number of obs = 50
LR chi2(11) = 16.69
Prob > chi2 = 0.1173
 Log likelihood = -24.856357 Pseudo R2 = 0.2514

dum9_2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-1.331138	1.055055	-1.26	0.207	-3.399007	.7367316
sbegovapt02	.4896254	.7821666	0.63	0.531	-1.043393	2.022644
qcstdact0102	-.0453086	.0331506	-1.37	0.172	-.1102825	.0196653
fedrevp~0001	-.3492249	.1850791	-1.89	0.059	-.7119733	.0135235
localre~0001	-.045471	.0443245	-1.03	0.305	-.1323454	.0414034
divgov02	1.911459	.9019107	2.12	0.034	.1437468	3.679172
govgop02	.502299	.8111814	0.62	0.536	-1.087587	2.092185
govch02e1	.1907347	.7460765	0.26	0.798	-1.271548	1.653018
pctwhit~0102	-.077957	.0368515	-2.12	0.034	-.1501847	-.0057294
pctfrre~0001	-.0001116	.0287397	-0.00	0.997	-.0564404	.0562173
pctlepe~0001	.0014111	.0991923	0.01	0.989	-.1930022	.1958243
_cons	12.59281	6.227722	2.02	0.043	.3866995	24.79892

```
. logit dum9_3 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop02
> govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

Iteration 0: log likelihood = -30.543215
 Iteration 1: log likelihood = -24.513553
 Iteration 2: log likelihood = -24.146017
 Iteration 3: log likelihood = -24.134232
 Iteration 4: log likelihood = -24.134212

Logit estimates Number of obs = 50
LR chi2(11) = 12.82
Prob > chi2 = 0.3054
 Log likelihood = -24.134212 Pseudo R2 = 0.2098

dum9_3	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
chiefaptg~02	-1.348623	.9875305	-1.37	0.172	-3.284147	.5869012
sbegovapt02	.3219396	.8347263	0.39	0.700	-1.314094	1.957973
qcstdact0102	-.0123067	.0315238	-0.39	0.696	-.0740922	.0494788
fedrevp~0001	-.2280946	.1589072	-1.44	0.151	-.539547	.0833578
localre~0001	-.0213474	.0435505	-0.49	0.624	-.1067049	.06401
divgov02	1.522438	.9159136	1.66	0.096	-.27272	3.317595
govgop02	1.026074	.9015605	1.14	0.255	-.7409525	2.7931
govch02e1	-.4607161	.7505305	-0.61	0.539	-1.931729	1.010297
pctwhit~0102	-.0514312	.0320163	-1.61	0.108	-.1141819	.0113195
pctfrre~0001	.0288899	.0299873	0.96	0.335	-.0298841	.0876639
pctlepe~0001	-.027033	.0998432	-0.27	0.787	-.222722	.168656
_cons	6.314131	5.116621	1.23	0.217	-3.714261	16.34252

```
. logit dum10_1 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
divgov02 govgop0
> 2 govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

Iteration 0: log likelihood = -32.051774

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Iteration 1: log likelihood = -26.367742
 Iteration 2: log likelihood = -26.135479
 Iteration 3: log likelihood = -26.130751
 Iteration 4: log likelihood = -26.130748

Logit estimates Number of obs = 50
LR chi2(11) = 11.84
Prob > chi2 = 0.3756
 Log likelihood = -26.130748 Pseudo R2 = 0.1847

dum10_1	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
chiefaptg~02	-.5699059	.9453854	-0.60	0.547	-2.422827 1.283015
sbegovapt02	.2116499	.7547851	0.28	0.779	-1.267702 1.691002
qcstdact0102	-.0464531	.0342882	-1.35	0.175	-.1136567 .0207505
fedrevp~0001	-.4090993	.172169	-2.38	0.017	-.7465443 -.0716543
localre~0001	.0006854	.0411411	0.02	0.987	-.0799496 .0813205
divgov02	.5759976	.802922	0.72	0.473	-.9977005 2.149696
govgop02	.2227357	.8031376	0.28	0.782	-1.351385 1.796856
govch02e1	.5830691	.7405299	0.79	0.431	-.8683429 2.034481
pctwhit~0102	-.0464901	.0316743	-1.47	0.142	-.1085706 .0155905
pctfrre~0001	.0364962	.0274572	1.33	0.184	-.0173189 .0903114
pctlepe~0001	.0240006	.0924237	0.26	0.795	-.1571465 .2051478
_cons	8.842185	5.40654	1.64	0.102	-1.754439 19.43881

. logit dum10_2 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001 localrevpct0001
 divgov02 govgop0
 > 2 govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001

Iteration 0: log likelihood = -31.343473
 Iteration 1: log likelihood = -24.533047
 Iteration 2: log likelihood = -24.109929
 Iteration 3: log likelihood = -24.096774
 Iteration 4: log likelihood = -24.096755

Logit estimates Number of obs = 50
LR chi2(11) = 14.49
Prob > chi2 = 0.2069
 Log likelihood = -24.096755 Pseudo R2 = 0.2312

dum10_2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
chiefaptg~02	-.7204788	.9823915	-0.73	0.463	-2.645931 1.204973
sbegovapt02	.7031174	.8144109	0.86	0.388	-.8930987 2.299333
qcstdact0102	-.059214	.0382866	-1.55	0.122	-.1342543 .0158264
fedrevp~0001	-.460358	.1822307	-2.53	0.012	-.8175235 -.1031924
localre~0001	-.0223175	.0434817	-0.51	0.608	-.1075402 .0629051
divgov02	1.228524	.8742733	1.41	0.160	-.4850205 2.942068
govgop02	.8187375	.8697406	0.94	0.347	-.8859228 2.523398
govch02e1	.4455266	.7745968	0.58	0.565	-1.072655 1.963708
pctwhit~0102	-.0603463	.0339391	-1.78	0.075	-.1268657 .0061732
pctfrre~0001	.0430089	.0293627	1.46	0.143	-.0145408 .1005587
pctlepe~0001	-.0282168	.0954009	-0.30	0.767	-.2151992 .1587656
_cons	11.45096	5.944399	1.93	0.054	-.1998444 23.10177

.
 .
 . *****
 . *NAEP models

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```
. regress naepreads4th03 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001
localrevpct0001 div
> gov02 govGOP02 govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

Source	SS	df	MS	Number of obs =	50
Model	1463.7588	11	133.068982	F(11, 38) =	8.73
Residual	579.221198	38	15.2426631	Prob > F =	0.0000
Total	2042.98	49	41.6934694	R-squared =	0.7165
				Adj R-squared =	0.6344
				Root MSE =	3.9042

naepre~4th03	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
chiefaptg~02	2.280198	1.517377	1.50	0.141	-.7915704 5.351967
sbegovapt02	1.989834	1.266274	1.57	0.124	-.5736027 4.553271
qcstdact0102	.05533	.0502408	1.10	0.278	-.0463772 .1570372
fedrevp~0001	-.9448233	.2505883	-3.77	0.001	-1.452113 -.4375338
localre~0001	-.0696503	.0639353	-1.09	0.283	-.1990805 .0597798
divgov02	-.2124576	1.272902	-0.17	0.868	-2.789313 2.364397
govgop02	.4655992	1.32667	0.35	0.728	-2.220103 3.151301
govch02e1	-2.109376	1.216094	-1.73	0.091	-4.571229 .352477
pctwhit~0102	.1938322	.0444388	4.36	0.000	.1038706 .2837939
pctfrre~0001	-.0810923	.0466436	-1.74	0.090	-.1755173 .0133327
pctlepe~0001	-.0651581	.1373073	-0.47	0.638	-.3431222 .212806
_cons	212.9444	6.997587	30.43	0.000	198.7785 227.1103

```
. regress naepreads8th03 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001
localrevpct0001 div
> gov02 govGOP02 govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

Source	SS	df	MS	Number of obs =	50
Model	1212.86717	11	110.260652	F(11, 38) =	8.17
Residual	513.152832	38	13.5040219	Prob > F =	0.0000
Total	1726.02	49	35.224898	R-squared =	0.7027
				Adj R-squared =	0.6166
				Root MSE =	3.6748

naepre~8th03	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
chiefaptg~02	2.023124	1.428218	1.42	0.165	-.868153 4.9144
sbegovapt02	1.651354	1.191869	1.39	0.174	-.7614596 4.064168
qcstdact0102	.0345485	.0472887	0.73	0.470	-.0611825 .1302796
fedrevp~0001	-.5181365	.2358641	-2.20	0.034	-.9956185 -.0406545
localre~0001	-.0282131	.0601785	-0.47	0.642	-.1500382 .093612
divgov02	.4103026	1.198108	0.34	0.734	-2.015141 2.835746
govgop02	1.135107	1.248717	0.91	0.369	-1.392787 3.663002
govch02e1	-1.122541	1.144638	-0.98	0.333	-3.439739 1.194658
pctwhit~0102	.2119185	.0418277	5.07	0.000	.1272428 .2965941
pctfrre~0001	-.0551602	.0439029	-1.26	0.217	-.144037 .0337166
pctlepe~0001	-.0527728	.1292394	-0.41	0.685	-.3144042 .2088586
_cons	251.2627	6.58642	38.15	0.000	237.9292 264.5962

```
. regress naepmathscale4th03 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001
localrevpct0001 div
> gov02 govGOP02 govch02e1 pctwhitestu0102 pctfrredlunch0001 pctlepell0001
```

Source	SS	df	MS	Number of obs =	50
				F(11, 38) =	4.60

MPSA2004finalanalyses.log

Model	820.649154	11	74.6044686	Prob > F	=	0.0002
Residual	615.850846	38	16.2066012	R-squared	=	0.5713
Total	1436.5	49	29.3163265	Adj R-squared	=	0.4472
				Root MSE	=	4.0257

naepma~4th03	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
chiefaptg~02	2.233107	1.56462	1.43	0.162	-.9343008	5.400515
sbegovapt02	.7506394	1.305699	0.57	0.569	-1.89261	3.393889
qcstdact0102	.0170455	.0518051	0.33	0.744	-.0878284	.1219193
fedrevp~0001	-.8912478	.2583904	-3.45	0.001	-1.414332	-.3681639
localre~0001	-.056862	.0659259	-0.86	0.394	-.190322	.076598
divgov02	-.9566259	1.312534	-0.73	0.471	-3.613711	1.70046
govgop02	.2989933	1.367976	0.22	0.828	-2.470328	3.068315
govch02e1	-.6548877	1.253957	-0.52	0.605	-3.19339	1.883615
pctwhit~0102	.1476315	.0458224	3.22	0.003	.0548689	.2403941
pctfrre~0001	-.0676427	.0480959	-1.41	0.168	-.1650077	.0297223
pctlepe~0001	.0939868	.1415824	0.66	0.511	-.1926317	.3806053
_cons	234.0141	7.215457	32.43	0.000	219.4072	248.621

```
. regress naepmathscale8th03 chiefaptgov02 sbegovapt02 qcstdact0102 fedrevpct0001
localrevpct0001 div
> gov02 govgop02 govch02e1 pctwhitestu0102 pctfredlunch0001 pctlepell0001
```

Source	SS	df	MS	Number of obs	=	50
Model	1623.34351	11	147.576683	F(11, 38)	=	5.11
Residual	1096.97649	38	28.8678024	Prob > F	=	0.0001
Total	2720.32	49	55.5167347	R-squared	=	0.5967
				Adj R-squared	=	0.4800
				Root MSE	=	5.3729

naepma~8th03	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
chiefaptg~02	2.068626	2.088189	0.99	0.328	-2.158692	6.295944
sbegovapt02	.4287568	1.742625	0.25	0.807	-3.099003	3.956517
qcstdact0102	-.0283773	.0691406	-0.41	0.684	-.1683451	.1115905
fedrevp~0001	-.7625471	.3448556	-2.21	0.033	-1.460671	-.0644236
localre~0001	.0070427	.0879867	0.08	0.937	-.171077	.1851624
divgov02	-.7740961	1.751747	-0.44	0.661	-4.320322	2.77213
govgop02	-.1211084	1.825741	-0.07	0.947	-3.817128	3.574912
govch02e1	-.6470878	1.673568	-0.39	0.701	-4.03505	2.740874
pctwhit~0102	.2566139	.061156	4.20	0.000	.1328101	.3804176
pctfrre~0001	-.0976543	.0641902	-1.52	0.136	-.2276005	.0322919
pctlepe~0001	.2795629	.1889601	1.48	0.147	-.1029668	.6620926
_cons	269.7636	9.629965	28.01	0.000	250.2688	289.2585

```
. log close
log:
H:\_research\Projects\Active\StatesMiddleManagers\MPSA2004\Datawork\Analysis\MPSA200
4fin
> alanalyses.log
log type: text
closed on: 13 Mar 2004, 13:49:42
```