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1 . * Run regression
2 . anova lbmp load*nameind aggload*load*nameind aggload*region aggload2*region aggload3*region lg
> asp*m*h rm*m*region h*m dow nameind tmin tmax tmean,continuous(tmin tmax tmean aggload aggload
> 2 aggload3 load rm lgasp) regress

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Source	SS	df	MS	Number of obs =	353276
Model	208803414	661	315890.187	F(661,352614) =	2910.75
Residual	38267566.6352614	108.525375		Prob > F =	0.0000
				R-squared =	0.8451
				Adj R-squared =	0.8448
Total	247070980353275	699.372954		Root MSE =	10.418

	lbmp	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
_cons		-349.5922	5.095831	-68.60	0.000	-359.5799 -339.6045
dow						
1		-.6479297	.0665103	-9.74	0.000	-.778288 -.5175714
2		.2694749	.069302	3.89	0.000	.1336451 .4053048
3		-1.244137	.0708321	-17.56	0.000	-1.382966 -1.105309
4		-2.036634	.0707909	-28.77	0.000	-2.175383 -1.897886
5		-2.025758	.0701427	-28.88	0.000	-2.163235 -1.88828
6		-.1522737	.0693852	-2.19	0.028	-.2882666 -.0162807
7		(dropped)				
nameind						
1		-9.99655	1.138457	-8.78	0.000	-12.22789 -7.765208
2		-5.163195	1.16997	-4.41	0.000	-7.456302 -2.870088
3		23.84295	1.058524	22.52	0.000	21.76828 25.91763
4		-4.173246	1.126147	-3.71	0.000	-6.380462 -1.96603
5		29.42652	1.258257	23.39	0.000	26.96037 31.89266
6		-620.9055	6.250846	-99.33	0.000	-633.157 -608.654
7		-.2144028	.9843062	-0.22	0.828	-2.143614 1.714808
8		14.97899	.9025179	16.60	0.000	13.21009 16.7479
9		-125.6979	7.157445	-17.56	0.000	-139.7263 -111.6696
10		2.038659	1.008494	2.02	0.043	.0620407 4.015278
11		(dropped)				
tmin		.0000708	7.58e-06	9.34	0.000	.0000559 .0000857
tmax		.2354848	.0054326	43.35	0.000	.224837 .2461325
tmean		-.2445416	.0062458	-39.15	0.000	-.2567832 -.2323
load*nameind						
1		.0227807	.001319	17.27	0.000	.0201956 .0253659
2		.0056313	.0009118	6.18	0.000	.0038441 .0074184
3		-.0715541	.0019098	-37.47	0.000	-.0752972 -.0678109
4		.0091047	.0014874	6.12	0.000	.0061894 .01202
5		-.0490274	.0016088	-30.47	0.000	-.0521807 -.0458742
6		-.0025303	.0006743	-3.75	0.000	-.0038519 -.0012087
7		.0072553	.0015975	4.54	0.000	.0041242 .0103864
8		-.1166845	.0034228	-34.09	0.000	-.123393 -.1099759
9		.0152519	.0011915	12.80	0.000	.0129167 .0175871
10		-.0015579	.0016783	-0.93	0.353	-.0048473 .0017314
11		-.0011483	.0009468	-1.21	0.225	-.003004 .0007073
aggload*region						
1		.034016	.0003318	102.51	0.000	.0333656 .0346664
2		.044896	.0009683	46.37	0.000	.0429981 .0467939
3		.1153521	.0008076	142.83	0.000	.1137692 .1169351
aggload2*region						
1		-156.1027	1.599223	-97.61	0.000	-159.2371 -152.9683
2		-217.7056	4.686074	-46.46	0.000	-226.8902 -208.521
3		-589.487	3.997704	-147.46	0.000	-597.3224 -581.6516
aggload3*region						
1		24.62492	.2490644	98.87	0.000	24.13677 25.11308
2		40.78406	.6325575	64.47	0.000	39.54427 42.02385
3		103.6369	.6284153	164.92	0.000	102.4053 104.8686
h*m						
1 1		129.5242	6.685926	19.37	0.000	116.42 142.6285
1 2		153.3427	8.258784	18.57	0.000	137.1557 169.5297
1 3		154.1227	13.30096	11.59	0.000	128.0532 180.1922
1 4		30.0046	15.91374	1.89	0.059	-1.18586 61.19506

1	5	63.51289	10.97076	5.79	0.000	42.01052	85.01526
1	6	131.7591	8.337253	15.80	0.000	115.4183	148.0999
1	7	88.43728	6.518888	13.57	0.000	75.66045	101.2141
1	8	211.7958	6.121783	34.60	0.000	199.7973	223.7944
1	9	223.8342	5.994985	37.34	0.000	212.0842	235.5842
1	10	347.6474	6.619076	52.52	0.000	334.6742	360.6206
1	11	78.64295	6.254659	12.57	0.000	66.384	90.9019
1	12	- .5012581	2.919404	-0.17	0.864	-6.223205	5.220689
2	1	131.8717	6.686387	19.72	0.000	118.7665	144.9768
2	2	139.9702	8.258914	16.95	0.000	123.7829	156.1574
2	3	150.3969	13.3304	11.28	0.000	124.2697	176.5241
2	4	19.31211	15.91371	1.21	0.225	-11.8783	50.50252
2	5	38.43569	10.97433	3.50	0.000	16.92633	59.94505
2	6	129.3934	8.341078	15.51	0.000	113.0451	145.7416
2	7	92.4981	6.519302	14.19	0.000	79.72046	105.2757
2	8	221.5575	6.128259	36.15	0.000	209.5463	233.5687
2	9	230.4777	5.995488	38.44	0.000	218.7267	242.2287
2	10	354.6807	6.619626	53.58	0.000	341.7065	367.655
2	11	80.42115	6.255716	12.86	0.000	68.16013	92.68217
2	12	4.864564	2.920293	1.67	0.096	- .8591243	10.58825
3	1	135.4788	6.686845	20.26	0.000	122.3728	148.5848
3	2	142.4654	8.258964	17.25	0.000	126.2781	158.6528
3	3	159.0268	13.33086	11.93	0.000	132.8987	185.1549
3	4	28.33061	15.96309	1.77	0.076	-2.956581	59.6178
3	5	57.39861	10.97756	5.23	0.000	35.88291	78.9143
3	6	143.5429	8.344449	17.20	0.000	127.188	159.8978
3	7	87.0924	6.519895	13.36	0.000	74.31359	99.8712
3	8	224.6911	6.122327	36.70	0.000	212.6915	236.6907
3	9	231.9973	5.99593	38.69	0.000	220.2455	243.7491
3	10	356.6773	6.620023	53.88	0.000	343.7022	369.6523
3	11	83.09018	6.256465	13.28	0.000	70.82769	95.35266
3	12	11.51676	2.921172	3.94	0.000	5.791348	17.24217
4	1	137.1865	6.687125	20.52	0.000	124.0799	150.2931
4	2	142.8561	8.259015	17.30	0.000	126.6687	159.0436
4	3	165.6211	13.30226	12.45	0.000	139.5491	191.6931
4	4	33.02647	15.9135	2.08	0.038	1.836481	64.21647
4	5	62.59597	10.97938	5.70	0.000	41.0767	84.11524
4	6	148.1051	8.346545	17.74	0.000	131.7461	164.4641
4	7	87.24088	6.520423	13.38	0.000	74.46104	100.0207
4	8	225.8592	6.122517	36.89	0.000	213.8592	237.8592
4	9	235.3876	5.996173	39.26	0.000	223.6353	247.14
4	10	357.9816	6.620225	54.07	0.000	345.0062	370.9571
4	11	82.46035	6.256833	13.18	0.000	70.19714	94.72355
4	12	13.52014	2.921721	4.63	0.000	7.793652	19.24663
5	1	133.4315	6.687151	19.95	0.000	120.3248	146.5381
5	2	143.5881	8.258847	17.39	0.000	127.401	159.7752
5	3	164.4004	13.30162	12.36	0.000	138.3296	190.4711
5	4	39.35735	15.91292	2.47	0.013	8.1685	70.5462
5	5	66.24975	10.97942	6.03	0.000	44.73041	87.7691
5	6	148.042	8.346264	17.74	0.000	131.6836	164.4004
5	7	87.68612	6.52055	13.45	0.000	74.90604	100.4662
5	8	225.6545	6.122565	36.86	0.000	213.6545	237.6546
5	9	233.7908	5.996126	38.99	0.000	222.0386	245.543
5	10	357.0799	6.620125	53.94	0.000	344.1047	370.0552
5	11	81.99864	6.256672	13.11	0.000	69.73575	94.26153
5	12	8.206039	2.921497	2.81	0.005	2.47999	13.93209
6	1	129.6941	6.686777	19.40	0.000	116.5882	142.8
6	2	152.8894	8.258563	18.51	0.000	136.7029	169.076
6	3	153.1098	13.3031	11.51	0.000	127.0361	179.1835
6	4	44.65625	15.91134	2.81	0.005	13.47048	75.84201
6	5	51.20528	10.9778	4.66	0.000	29.68912	72.72145
6	6	143.6775	8.343055	17.22	0.000	127.3253	160.0296
6	7	87.39675	6.520124	13.40	0.000	74.6175	100.176
6	8	221.707	6.122384	36.21	0.000	209.7073	233.7067
6	9	223.5623	5.995497	37.29	0.000	211.8113	235.3133
6	10	344.8045	6.61946	52.09	0.000	331.8306	357.7785
6	11	73.29027	6.255619	11.72	0.000	61.02944	85.5511
6	12	7.082533	2.920192	2.43	0.015	1.359041	12.80602
7	1	131.9695	6.686172	19.74	0.000	118.8648	145.0742

7 2	153.4474	8.258108	18.58	0.000	137.2618	169.6331
7 3	153.6068	13.30085	11.55	0.000	127.5375	179.676
7 4	36.32831	15.90956	2.28	0.022	5.146037	67.51058
7 5	53.1613	10.9734	4.84	0.000	31.65376	74.66885
7 6	145.7573	8.337035	17.48	0.000	129.417	162.0976
7 7	92.60372	6.519583	14.20	0.000	79.82553	105.3819
7 8	217.0099	6.122092	35.45	0.000	205.0108	229.0091
7 9	219.6457	5.994761	36.64	0.000	207.8962	231.3953
7 10	329.4013	6.618918	49.77	0.000	316.4284	342.3741
7 11	62.49531	6.254106	9.99	0.000	50.23745	74.75318
7 12	-6.864859	2.919178	-2.35	0.019	-12.58636	-1.143356
8 1	111.5241	6.685788	16.68	0.000	98.4202	124.6281
8 2	150.3494	8.258154	18.21	0.000	134.1636	166.5351
8 3	151.9944	13.30047	11.43	0.000	125.9259	178.063
8 4	24.4567	15.90923	1.54	0.124	-6.724917	55.63832
8 5	.9672516	10.96782	0.09	0.930	-20.52936	22.46386
8 6	108.386	8.333492	13.01	0.000	92.05258	124.7194
8 7	74.088	6.519434	11.36	0.000	61.3101	86.8659
8 8	206.845	6.121816	33.79	0.000	194.8464	218.8435
8 9	211.6931	5.994294	35.32	0.000	199.9445	223.4417
8 10	314.5532	6.618861	47.52	0.000	301.5804	327.526
8 11	52.13249	6.253253	8.34	0.000	39.87629	64.38868
8 12	-15.70593	2.919171	-5.38	0.000	-21.42743	-9.984444
9 1	100.511	6.685509	15.03	0.000	87.40763	113.6144
9 2	151.5967	8.258236	18.36	0.000	135.4108	167.7826
9 3	137.6866	13.29703	10.35	0.000	111.6248	163.7484
9 4	27.94931	15.90923	1.76	0.079	-3.232313	59.13094
9 5	-8.333057	10.96521	-0.76	0.447	-29.82454	13.15843
9 6	100.7785	8.332676	12.09	0.000	84.44666	117.1103
9 7	67.11423	6.519761	10.29	0.000	54.33569	79.89277
9 8	202.5197	6.121602	33.08	0.000	190.5216	214.5179
9 9	205.4341	5.99398	34.27	0.000	193.686	217.1821
9 10	312.3352	6.618818	47.19	0.000	299.3625	325.3079
9 11	51.88272	6.260199	8.29	0.000	39.61291	64.15252
9 12	-18.30247	2.919353	-6.27	0.000	-24.02431	-12.58062
10 1	98.55056	6.685281	14.74	0.000	85.4476	111.6535
10 2	146.2847	8.258344	17.71	0.000	130.0986	162.4708
10 3	129.7516	13.29753	9.76	0.000	103.6888	155.8144
10 4	20.09525	15.90926	1.26	0.207	-11.08642	51.27693
10 5	-22.28216	10.96436	-2.03	0.042	-43.77199	-.792326
10 6	99.33845	8.333003	11.92	0.000	83.006	115.6709
10 7	69.0951	6.520281	10.60	0.000	56.31554	81.87465
10 8	199.3192	6.121385	32.56	0.000	187.3214	211.3169
10 9	196.9369	5.993752	32.86	0.000	185.1893	208.6845
10 10	304.9703	6.618823	46.08	0.000	291.9976	317.943
10 11	57.18292	6.252898	9.15	0.000	44.92742	69.43842
10 12	-16.15694	2.919571	-5.53	0.000	-21.87921	-10.43467
11 1	98.17287	6.685157	14.69	0.000	85.07016	111.2756
11 2	145.9901	8.258416	17.68	0.000	129.8039	162.1764
11 3	124.6028	13.29777	9.37	0.000	98.5396	150.6661
11 4	12.50213	15.90907	0.79	0.432	-18.67918	43.68344
11 5	-18.93659	10.96431	-1.73	0.084	-40.42632	2.553127
11 6	104.2023	8.333869	12.50	0.000	87.86813	120.5364
11 7	74.41057	6.521201	11.41	0.000	61.62921	87.19193
11 8	199.5346	6.115864	32.63	0.000	187.5477	211.5215
11 9	188.2371	5.993672	31.41	0.000	176.4897	199.9845
11 10	302.5593	6.618745	45.71	0.000	289.5868	315.5319
11 11	49.52622	6.252398	7.92	0.000	37.2717	61.78074
11 12	-16.7106	2.91971	-5.72	0.000	-22.43314	-10.98805
12 1	97.93585	6.685115	14.65	0.000	84.83322	111.0385
12 2	133.9122	8.258598	16.21	0.000	117.7256	150.0988
12 3	114.7225	13.29814	8.63	0.000	88.65851	140.7864
12 4	3.381307	15.90933	0.21	0.832	-27.80051	34.56312
12 5	-32.8522	10.96442	-3.00	0.003	-54.34213	-11.36226
12 6	99.95322	8.334921	11.99	0.000	83.61701	116.2894
12 7	62.50357	6.522701	9.58	0.000	49.71927	75.28787
12 8	190.992	6.116193	31.23	0.000	179.0045	202.9796
12 9	186.2166	5.993635	31.07	0.000	174.4692	197.9639
12 10	296.0562	6.618819	44.73	0.000	283.0835	309.0289

12 11	47.08979	6.252382	7.53	0.000	34.83531	59.34428
12 12	-12.9184	2.919745	-4.42	0.000	-18.64102	-7.195789
13 1	104.4152	6.6851	15.62	0.000	91.3126	117.5178
13 2	130.7469	8.25862	15.83	0.000	114.5602	146.9335
13 3	122.4212	13.29858	9.21	0.000	96.35636	148.486
13 4	4.496698	15.90979	0.28	0.777	-26.68603	35.67942
13 5	-45.28038	10.96467	-4.13	0.000	-66.7708	-23.78995
13 6	84.58438	8.335962	10.15	0.000	68.24614	100.9226
13 7	46.4719	6.524341	7.12	0.000	33.68439	59.25942
13 8	182.7959	6.116593	29.89	0.000	170.8075	194.7842
13 9	180.8007	5.993632	30.17	0.000	169.0533	192.548
13 10	296.4729	6.618766	44.79	0.000	283.5003	309.4454
13 11	44.32703	6.252394	7.09	0.000	32.07252	56.58154
13 12	-8.890177	2.919701	-3.04	0.002	-14.61271	-3.167648
14 1	101.9911	6.685112	15.26	0.000	88.88847	115.0937
14 2	131.7803	8.258735	15.96	0.000	115.5935	147.9672
14 3	132.9341	13.29888	10.00	0.000	106.8687	158.9995
14 4	7.710747	15.91024	0.48	0.628	-23.47285	38.89435
14 5	-44.6298	10.96496	-4.07	0.000	-66.12081	-23.1388
14 6	69.69911	8.336879	8.36	0.000	53.35907	86.03915
14 7	36.93952	6.526558	5.66	0.000	24.14766	49.73138
14 8	156.0747	6.117006	25.51	0.000	144.0855	168.0638
14 9	177.3709	5.993669	29.59	0.000	165.6235	189.1183
14 10	296.7218	6.618735	44.83	0.000	283.7493	309.6944
14 11	45.01246	6.252376	7.20	0.000	32.75799	57.26693
14 12	-4.765594	2.919626	-1.63	0.103	-10.48798	.9567877
15 1	103.551	6.685139	15.49	0.000	90.44827	116.6536
15 2	133.9463	8.258774	16.22	0.000	117.7593	150.1333
15 3	139.3975	13.2992	10.48	0.000	113.3314	165.4635
15 4	8.651681	15.91068	0.54	0.587	-22.53278	39.83614
15 5	-48.60931	10.96525	-4.43	0.000	-70.10088	-27.11774
15 6	55.49254	8.337635	6.66	0.000	39.15102	71.83406
15 7	22.928	6.528115	3.51	0.000	10.13308	35.72291
15 8	145.5306	6.117168	23.79	0.000	133.5412	157.5201
15 9	174.9739	5.993728	29.19	0.000	163.2264	186.7215
15 10	297.1776	6.618685	44.90	0.000	284.2051	310.15
15 11	45.85633	6.252397	7.33	0.000	33.60182	58.11085
15 12	-1.973295	2.91955	-0.68	0.499	-7.695528	3.748938
16 1	101.1844	6.685191	15.14	0.000	88.08167	114.2872
16 2	133.2024	8.258803	16.13	0.000	117.0154	149.3894
16 3	145.6209	13.29932	10.95	0.000	119.5546	171.6872
16 4	14.12879	15.9111	0.89	0.375	-17.0565	45.31409
16 5	-42.17106	10.96542	-3.85	0.000	-63.66296	-20.67917
16 6	57.53257	8.341019	6.90	0.000	41.18442	73.88072
16 7	18.80308	6.529263	2.88	0.004	6.005916	31.60024
16 8	135.3775	6.117134	22.13	0.000	123.388	147.3669
16 9	172.8758	5.993798	28.84	0.000	161.1282	184.6235
16 10	298.4365	6.618647	45.09	0.000	285.4642	311.4089
16 11	47.09438	6.25238	7.53	0.000	34.8399	59.34886
16 12	-7.318445	2.919556	-2.51	0.012	-13.04069	-1.5962
17 1	100.8747	6.685081	15.09	0.000	87.77218	113.9773
17 2	126.0291	8.258665	15.26	0.000	109.8423	142.2158
17 3	140.2078	13.29882	10.54	0.000	114.1425	166.2731
17 4	14.29315	15.91105	0.90	0.369	-16.89204	45.47835
17 5	-35.31694	10.96544	-3.22	0.001	-56.80889	-13.825
17 6	60.63223	8.338997	7.27	0.000	44.28804	76.97642
17 7	25.93326	6.52931	3.97	0.000	13.13601	38.73052
17 8	134.1247	6.121068	21.91	0.000	122.1276	146.1218
17 9	171.7652	5.993878	28.66	0.000	160.0173	183.513
17 10	297.6279	6.61868	44.97	0.000	284.6555	310.6003
17 11	45.73768	6.252199	7.32	0.000	33.48356	57.99181
17 12	-19.6867	2.919955	-6.74	0.000	-25.40973	-13.96368
18 1	113.1936	6.685085	16.93	0.000	100.0911	126.2962
18 2	114.6336	8.258526	13.88	0.000	98.44713	130.8201
18 3	133.3556	13.29759	10.03	0.000	107.2927	159.4185
18 4	17.52021	15.91062	1.10	0.271	-13.66415	48.70456
18 5	-33.11484	10.96517	-3.02	0.003	-54.60625	-11.62343
18 6	75.68296	8.337724	9.08	0.000	59.34126	92.02465
18 7	39.76224	6.527089	6.09	0.000	26.96933	52.55514

18 8	146.2884	6.120714	23.90	0.000	134.292	158.2849
18 9	176.3618	5.993944	29.42	0.000	164.6138	188.1097
18 10	297.8932	6.618754	45.01	0.000	284.9206	310.8658
18 11	21.86874	6.252126	3.50	0.000	9.61476	34.12273
18 12	-48.27013	2.920802	-16.53	0.000	-53.99482	-42.54545
19 1	102.9109	6.685198	15.39	0.000	89.80809	116.0137
19 2	109.0175	8.2585	13.20	0.000	92.83108	125.2039
19 3	108.1659	13.29534	8.14	0.000	82.10745	134.2244
19 4	16.55971	15.9096	1.04	0.298	-14.62264	47.74206
19 5	-17.62424	10.96481	-1.61	0.108	-39.11494	3.866456
19 6	105.1143	8.337	12.61	0.000	88.77403	121.4546
19 7	59.92126	6.523313	9.19	0.000	47.13576	72.70677
19 8	165.9476	6.13228	27.06	0.000	153.9286	177.9667
19 9	187.2568	5.994003	31.24	0.000	175.5087	199.0049
19 10	291.8993	6.618902	44.10	0.000	278.9265	304.8722
19 11	22.38599	6.252156	3.58	0.000	10.13195	34.64003
19 12	-42.55411	2.920741	-14.57	0.000	-48.27868	-36.82955
20 1	103.6079	6.685238	15.50	0.000	90.50507	116.7108
20 2	144.2212	8.258454	17.46	0.000	128.0348	160.4075
20 3	114.7151	13.29485	8.63	0.000	88.65757	140.7726
20 4	10.05216	15.90779	0.63	0.527	-21.12664	41.23096
20 5	-1.023821	10.96467	-0.09	0.926	-22.51426	20.46662
20 6	118.727	8.336249	14.24	0.000	102.3882	135.0658
20 7	66.90225	6.520874	10.26	0.000	54.12153	79.68298
20 8	184.1045	6.132218	30.02	0.000	172.0856	196.1235
20 9	180.6652	5.993968	30.14	0.000	168.9172	192.4132
20 10	285.8565	6.619063	43.19	0.000	272.8833	298.8297
20 11	37.02648	6.252167	5.92	0.000	24.77242	49.28055
20 12	-28.80798	2.920491	-9.86	0.000	-34.53205	-23.0839
21 1	105.602	6.685268	15.80	0.000	92.49905	118.7049
21 2	158.447	8.257435	19.19	0.000	142.2626	174.6313
21 3	128.8404	13.29515	9.69	0.000	102.7823	154.8985
21 4	3.560345	15.90628	0.22	0.823	-27.61549	34.73618
21 5	5.20386	10.96459	0.47	0.635	-16.28641	26.69413
21 6	118.5495	8.335664	14.22	0.000	102.2118	134.8871
21 7	74.90428	6.52065	11.49	0.000	62.124	87.68456
21 8	182.157	6.132611	29.70	0.000	170.1372	194.1767
21 9	182.7281	5.994044	30.48	0.000	170.9799	194.4762
21 10	300.512	6.618962	45.40	0.000	287.5391	313.485
21 11	40.89318	6.252223	6.54	0.000	28.63901	53.14736
21 12	-20.79902	2.92021	-7.12	0.000	-26.52255	-15.0755
22 1	109.4071	6.685321	16.37	0.000	96.30407	122.5101
22 2	157.291	8.258502	19.05	0.000	141.1046	173.4775
22 3	147.0391	13.30252	11.05	0.000	120.9666	173.1117
22 4	22.04609	15.90758	1.39	0.166	-9.132303	53.22448
22 5	-4.260723	10.96436	-0.39	0.698	-25.75055	17.22911
22 6	114.838	8.335717	13.78	0.000	98.50028	131.1758
22 7	73.75404	6.520431	11.31	0.000	60.97419	86.5339
22 8	192.2868	6.132345	31.36	0.000	180.2675	204.306
22 9	193.8599	5.994065	32.34	0.000	182.1117	205.6081
22 10	312.4735	6.618761	47.21	0.000	299.5009	325.4461
22 11	40.35091	6.252352	6.45	0.000	28.09649	52.60534
22 12	-17.4912	2.91982	-5.99	0.000	-23.21396	-11.76844
23 1	107.7623	6.685457	16.12	0.000	94.65902	120.8656
23 2	146.4642	8.258643	17.73	0.000	130.2775	162.6509
23 3	133.227	13.29813	10.02	0.000	107.163	159.2909
23 4	25.61812	15.91022	1.61	0.107	-5.565442	56.80167
23 5	-10.1632	10.96477	-0.93	0.354	-31.65383	11.32743
23 6	98.20572	8.334751	11.78	0.000	81.86985	114.5416
23 7	76.59042	6.5189	11.75	0.000	63.81357	89.36727
23 8	196.9349	6.132141	32.12	0.000	184.9161	208.9537
23 9	207.4411	5.994129	34.61	0.000	195.6928	219.1894
23 10	322.0246	6.618557	48.65	0.000	309.0525	334.9968
23 11	52.1115	6.252755	8.33	0.000	39.85628	64.36671
23 12	-13.18878	2.919334	-4.52	0.000	-18.91059	-7.466971
24 1	117.7881	6.685786	17.62	0.000	104.6841	130.892
24 2	155.867	8.258859	18.87	0.000	139.6798	172.0541
24 3	136.9934	13.29988	10.30	0.000	110.9261	163.0608
24 4	43.68503	15.91283	2.75	0.006	12.49635	74.87372

24	5	-12.20964	10.96678	-1.11	0.266	-33.70421	9.284929
24	6	100.2568	8.339878	12.02	0.000	83.91086	116.6027
24	7	71.42898	6.518536	10.96	0.000	58.65284	84.20512
24	8	206.1945	6.132245	33.62	0.000	194.1754	218.2135
24	9	212.6099	5.994352	35.47	0.000	200.8612	224.3587
24	10	342.7568	6.61862	51.79	0.000	329.7845	355.7291
24	11	67.92006	6.253559	10.86	0.000	55.66326	80.17685
24	12	(dropped)					
aggload*load*nameind							
1		-2.34e-07	4.32e-08	-5.42	0.000	-3.19e-07	-1.49e-07
2		6.32e-08	2.92e-08	2.17	0.030	6.00e-09	1.20e-07
3		3.23e-06	6.75e-08	47.79	0.000	3.09e-06	3.36e-06
4		3.77e-08	4.90e-08	0.77	0.443	-5.85e-08	1.34e-07
5		1.95e-06	4.94e-08	39.39	0.000	1.85e-06	2.04e-06
6		-2.96e-07	3.31e-08	-8.95	0.000	-3.61e-07	-2.32e-07
7		2.64e-07	6.13e-08	4.32	0.000	1.44e-07	3.85e-07
8		6.31e-06	1.51e-07	41.90	0.000	6.02e-06	6.61e-06
9		-5.96e-07	5.70e-08	-10.45	0.000	-7.08e-07	-4.84e-07
10		5.60e-07	6.83e-08	8.20	0.000	4.26e-07	6.94e-07
11		1.80e-07	3.05e-08	5.91	0.000	1.20e-07	2.40e-07
lgasp*m*h							
1	1	11.20819	1.090751	10.28	0.000	9.07035	13.34603
1	2	9.535682	1.090925	8.74	0.000	7.3975	11.67386
1	3	7.730064	1.091126	7.08	0.000	5.591489	9.868638
1	4	6.911635	1.091261	6.33	0.000	4.772796	9.050475
1	5	8.824569	1.091299	8.09	0.000	6.685655	10.96348
1	6	10.90204	1.091197	9.99	0.000	8.763323	13.04075
1	7	11.704	1.091076	10.73	0.000	9.565523	13.84248
1	8	22.32357	1.091117	20.46	0.000	20.18501	24.46212
1	9	27.46306	1.091097	25.17	0.000	25.32454	29.60158
1	10	28.70383	1.091109	26.31	0.000	26.56529	30.84237
1	11	28.69402	1.091095	26.30	0.000	26.5555	30.83253
1	12	27.78252	1.091064	25.46	0.000	25.64406	29.92097
1	13	23.53105	1.091019	21.57	0.000	21.39269	25.66942
1	14	23.85932	1.091009	21.87	0.000	21.72098	25.99767
1	15	22.43725	1.091007	20.57	0.000	20.2989	24.57559
1	16	23.46514	1.091039	21.51	0.000	21.32674	25.60355
1	17	28.16595	1.091088	25.81	0.000	26.02745	30.30445
1	18	29.52311	1.091452	27.05	0.000	27.3839	31.66232
1	19	31.39051	1.091622	28.76	0.000	29.25097	33.53006
1	20	28.53216	1.091531	26.14	0.000	26.39279	30.67153
1	21	25.65727	1.091351	23.51	0.000	23.51825	27.79628
1	22	21.85504	1.091106	20.03	0.000	19.7165	23.99357
1	23	20.37586	1.090875	18.68	0.000	18.23778	22.51395
1	24	15.92018	1.09082	14.59	0.000	13.78221	18.05816
2	1	37.28575	2.469901	15.10	0.000	32.44482	42.12669
2	2	43.72827	2.46995	17.70	0.000	38.88724	48.5693
2	3	42.43835	2.469971	17.18	0.000	37.59728	47.27942
2	4	42.24882	2.469994	17.10	0.000	37.40771	47.08994
2	5	41.92289	2.469977	16.97	0.000	37.08181	46.76397
2	6	38.15998	2.469929	15.45	0.000	33.31899	43.00097
2	7	39.80038	2.46983	16.11	0.000	34.95959	44.64118
2	8	41.37553	2.469794	16.75	0.000	36.5348	46.21625
2	9	40.80822	2.469788	16.52	0.000	35.96751	45.64893
2	10	43.37788	2.469795	17.56	0.000	38.53715	48.2186
2	11	43.23655	2.469811	17.51	0.000	38.39579	48.07731
2	12	48.05806	2.469845	19.46	0.000	43.21723	52.89888
2	13	48.34815	2.469847	19.58	0.000	43.50732	53.18898
2	14	46.97146	2.469867	19.02	0.000	42.13059	51.81232
2	15	45.25246	2.469884	18.32	0.000	40.41156	50.09336
2	16	45.67225	2.469881	18.49	0.000	40.83136	50.51315
2	17	50.61449	2.469861	20.49	0.000	45.77364	55.45535
2	18	61.71247	2.469914	24.99	0.000	56.87151	66.55343
2	19	65.83538	2.470015	26.65	0.000	60.99422	70.67654
2	20	45.72359	2.46997	18.51	0.000	40.88253	50.56466
2	21	37.30011	2.471553	15.09	0.000	32.45594	42.14428
2	22	35.93067	2.469845	14.55	0.000	31.08984	40.77149
2	23	39.41789	2.469834	15.96	0.000	34.57709	44.25869
2	24	34.82666	2.469907	14.10	0.000	29.98571	39.6676

3 1	44.82649	2.911311	15.40	0.000	39.12041	50.53258
3 2	46.69997	2.937404	15.90	0.000	40.94275	52.4572
3 3	42.51272	2.93797	14.47	0.000	36.75439	48.27106
3 4	39.32645	2.912807	13.50	0.000	33.61744	45.03547
3 5	40.05305	2.912828	13.75	0.000	34.34399	45.76211
3 6	46.4275	2.913577	15.93	0.000	40.71698	52.13803
3 7	47.02098	2.912671	16.14	0.000	41.31223	52.72973
3 8	47.97768	2.912351	16.47	0.000	42.26956	53.6858
3 9	55.21967	2.910584	18.97	0.000	49.51501	60.92433
3 10	59.44989	2.910517	20.43	0.000	53.74536	65.15442
3 11	62.01853	2.910518	21.31	0.000	56.314	67.72306
3 12	66.08012	2.910437	22.70	0.000	60.37575	71.78449
3 13	60.89288	2.910357	20.92	0.000	55.18867	66.5971
3 14	54.56998	2.910278	18.75	0.000	48.86592	60.27404
3 15	50.54053	2.910196	17.37	0.000	44.83664	56.24443
3 16	47.24846	2.91019	16.24	0.000	41.54458	52.95235
3 17	50.43177	2.910231	17.33	0.000	44.7278	56.13573
3 18	55.84563	2.910414	19.19	0.000	50.14131	61.54996
3 19	74.19208	2.9112	25.49	0.000	68.48621	79.89795
3 20	69.34567	2.911481	23.82	0.000	63.63925	75.05209
3 21	59.96473	2.911347	20.60	0.000	54.25857	65.67088
3 22	48.3936	2.923656	16.55	0.000	42.66332	54.12388
3 23	54.44802	2.910584	18.71	0.000	48.74336	60.15268
3 24	53.02621	2.910707	18.22	0.000	47.32131	58.73112
4 1	43.25186	3.400475	12.72	0.000	36.58703	49.91669
4 2	48.71254	3.400702	14.32	0.000	42.04727	55.37782
4 3	44.38956	3.467098	12.80	0.000	37.59415	51.18497
4 4	42.30748	3.401058	12.44	0.000	35.6415	48.97345
4 5	39.27666	3.401194	11.55	0.000	32.61042	45.9429
4 6	36.78789	3.401064	10.82	0.000	30.1219	43.45387
4 7	41.80364	3.400748	12.29	0.000	35.13828	48.46901
4 8	48.21868	3.400482	14.18	0.000	41.55383	54.88352
4 9	46.81529	3.400469	13.77	0.000	40.15047	53.48011
4 10	51.22115	3.400524	15.06	0.000	44.55622	57.88608
4 11	55.12985	3.400585	16.21	0.000	48.4648	61.79489
4 12	59.53969	3.40058	17.51	0.000	52.87465	66.20473
4 13	58.45658	3.400555	17.19	0.000	51.7916	65.12157
4 14	56.24488	3.400581	16.54	0.000	49.57984	62.90992
4 15	55.15801	3.400452	16.22	0.000	48.49322	61.8228
4 16	52.04105	3.400369	15.30	0.000	45.37643	58.70568
4 17	51.90178	3.400378	15.26	0.000	45.23713	58.56642
4 18	50.0617	3.40045	14.72	0.000	43.39692	56.72648
4 19	51.57608	3.400592	15.17	0.000	44.91102	58.24114
4 20	56.0911	3.400947	16.49	0.000	49.42534	62.75686
4 21	59.98414	3.401197	17.64	0.000	53.31789	66.65039
4 22	48.42279	3.400869	14.24	0.000	41.75719	55.0884
4 23	44.96481	3.400538	13.22	0.000	38.29985	51.62976
4 24	35.51989	3.400435	10.45	0.000	28.85513	42.18464
5 1	-1.017144	5.192795	-0.20	0.845	-11.19487	9.160583
5 2	11.68459	5.19384	2.25	0.024	1.504815	21.86437
5 3	2.378026	5.194829	0.46	0.647	-7.803686	12.55974
5 4	-.0341677	5.195396	-0.01	0.995	-10.21699	10.14866
5 5	-1.935881	5.195403	-0.37	0.709	-12.11872	8.246957
5 6	5.956998	5.194909	1.15	0.252	-4.224872	16.13887
5 7	5.867189	5.19362	1.13	0.259	-4.312154	16.04653
5 8	33.28038	5.191888	6.41	0.000	23.10443	43.45633
5 9	37.75245	5.191268	7.27	0.000	27.57772	47.92718
5 10	45.30626	5.191258	8.73	0.000	35.13155	55.48098
5 11	44.24976	5.191371	8.52	0.000	34.07483	54.4247
5 12	51.49193	5.19151	9.92	0.000	41.31672	61.66714
5 13	57.53522	5.1916	11.08	0.000	47.35983	67.7106
5 14	57.11815	5.191683	11.00	0.000	46.9426	67.29369
5 15	58.82119	5.191738	11.33	0.000	48.64553	68.99684
5 16	55.48404	5.191757	10.69	0.000	45.30835	65.65973
5 17	52.02067	5.191776	10.02	0.000	41.84494	62.1964
5 18	50.2677	5.191651	9.68	0.000	40.09222	60.44319
5 19	41.9388	5.191409	8.08	0.000	31.76379	52.11382
5 20	33.60849	5.191334	6.47	0.000	23.43363	43.78336
5 21	32.26215	5.191449	6.21	0.000	22.08706	42.43724

5 22	35.32464	5.19132	6.80	0.000	25.1498	45.49947
5 23	36.18284	5.19125	6.97	0.000	26.00814	46.35754
5 24	36.46404	5.191715	7.02	0.000	26.28843	46.63965
6 1	41.83534	3.189779	13.12	0.000	35.58347	48.08722
6 2	42.5218	3.191129	13.33	0.000	36.26728	48.77632
6 3	35.17947	3.19237	11.02	0.000	28.92252	41.43642
6 4	32.86894	3.193133	10.29	0.000	26.61049	39.12739
6 5	32.83698	3.192934	10.28	0.000	26.57892	39.09504
6 6	35.08991	3.191542	10.99	0.000	28.83458	41.34524
6 7	34.74291	3.189131	10.89	0.000	28.49231	40.99351
6 8	54.88049	3.187986	17.21	0.000	48.63214	61.12885
6 9	59.20084	3.188153	18.57	0.000	52.95215	65.44952
6 10	60.65347	3.188863	19.02	0.000	54.40339	66.90355
6 11	58.91015	3.189778	18.47	0.000	52.65827	65.16202
6 12	61.3874	3.190881	19.24	0.000	55.13337	67.64143
6 13	69.45742	3.191812	21.76	0.000	63.20157	75.71328
6 14	77.60132	3.1925	24.31	0.000	71.34411	83.85853
6 15	85.01318	3.193182	26.62	0.000	78.75464	91.27172
6 16	84.43092	3.194782	26.43	0.000	78.16924	90.6926
6 17	82.72648	3.19437	25.90	0.000	76.46561	88.98735
6 18	74.23187	3.193289	23.25	0.000	67.97312	80.49063
6 19	58.4968	3.192688	18.32	0.000	52.23922	64.75437
6 20	51.27929	3.192225	16.06	0.000	45.02262	57.53596
6 21	51.86627	3.191578	16.25	0.000	45.61087	58.12167
6 22	52.75076	3.191468	16.53	0.000	46.49558	59.00594
6 23	59.88705	3.190481	18.77	0.000	53.6338	66.1403
6 24	57.9812	3.191606	18.17	0.000	51.72575	64.23666
7 1	32.95644	1.774348	18.57	0.000	29.47877	36.43411
7 2	28.80061	1.774262	16.23	0.000	25.32311	32.27811
7 3	30.73686	1.774423	17.32	0.000	27.25904	34.21467
7 4	30.3652	1.774562	17.11	0.000	26.88711	33.84329
7 5	29.97463	1.774489	16.89	0.000	26.49668	33.45258
7 6	30.33361	1.774001	17.10	0.000	26.85662	33.8106
7 7	28.12341	1.77342	15.86	0.000	24.64756	31.59926
7 8	38.11713	1.773373	21.49	0.000	34.64137	41.59289
7 9	42.09645	1.77372	23.73	0.000	38.62001	45.57289
7 10	41.23427	1.774461	23.24	0.000	37.75638	44.71216
7 11	39.04215	1.775859	21.98	0.000	35.56152	42.52278
7 12	45.87028	1.778056	25.80	0.000	42.38534	49.35522
7 13	55.20502	1.780624	31.00	0.000	51.71505	58.695
7 14	61.16165	1.783653	34.29	0.000	57.66574	64.65755
7 15	69.40212	1.78601	38.86	0.000	65.90159	72.90265
7 16	72.51725	1.787661	40.57	0.000	69.01349	76.02102
7 17	68.78953	1.787602	38.48	0.000	65.28589	72.29318
7 18	60.34468	1.785239	33.80	0.000	56.84566	63.84369
7 19	48.37807	1.781321	27.16	0.000	44.88674	51.86941
7 20	43.96079	1.778686	24.72	0.000	40.47462	47.44697
7 21	39.77453	1.777658	22.37	0.000	36.29038	43.25869
7 22	39.7102	1.776971	22.35	0.000	36.22739	43.19301
7 23	38.21819	1.775634	21.52	0.000	34.738	41.69838
7 24	41.60372	1.775038	23.44	0.000	38.1247	45.08274
8 1	40.41648	1.124297	35.95	0.000	38.21289	42.62006
8 2	33.90841	1.133201	29.92	0.000	31.68736	36.12945
8 3	31.69698	1.124876	28.18	0.000	29.49225	33.9017
8 4	30.78582	1.125104	27.36	0.000	28.58065	32.99099
8 5	30.68724	1.124971	27.28	0.000	28.48233	32.89215
8 6	32.79319	1.124671	29.16	0.000	30.58887	34.99751
8 7	35.22421	1.124236	31.33	0.000	33.02074	37.42768
8 8	40.85707	1.124029	36.35	0.000	38.65401	43.06014
8 9	43.68729	1.124199	38.86	0.000	41.48389	45.89068
8 10	46.09373	1.124717	40.98	0.000	43.88932	48.29814
8 11	46.83477	1.120959	41.78	0.000	44.63772	49.03181
8 12	52.11942	1.122346	46.44	0.000	49.91965	54.31918
8 13	56.93274	1.123671	50.67	0.000	54.73038	59.1351
8 14	72.32214	1.124883	64.29	0.000	70.1174	74.52688
8 15	78.80574	1.125372	70.03	0.000	76.60004	81.01143
8 16	84.7233	1.125486	75.28	0.000	82.51738	86.92922
8 17	85.50417	1.12823	75.79	0.000	83.29287	87.71547
8 18	77.79026	1.126991	69.02	0.000	75.58139	79.99913

8 19	65.60085	1.135037	57.80	0.000	63.37621	67.82549
8 20	55.1323	1.134073	48.61	0.000	52.90955	57.35505
8 21	56.20963	1.133931	49.57	0.000	53.98716	58.4321
8 22	50.92056	1.133235	44.93	0.000	48.69945	53.14167
8 23	47.27068	1.132474	41.74	0.000	45.05107	49.4903
8 24	43.02168	1.132261	38.00	0.000	40.80248	45.24088
9 1	48.53916	.7343629	66.10	0.000	47.09983	49.97849
9 2	44.64948	.7346564	60.78	0.000	43.20957	46.08938
9 3	43.63665	.7348842	59.38	0.000	42.1963	45.07701
9 4	41.67792	.7349904	56.71	0.000	40.23736	43.11848
9 5	42.50572	.7349223	57.84	0.000	41.0653	43.94615
9 6	48.21466	.7345128	65.64	0.000	46.77504	49.65428
9 7	50.33484	.7340424	68.57	0.000	48.89614	51.77354
9 8	54.71401	.7339029	74.55	0.000	53.27558	56.15244
9 9	58.83466	.7338984	80.17	0.000	57.39624	60.27307
9 10	63.96512	.7339456	87.15	0.000	62.5266	65.40363
9 11	69.44282	.7340272	94.61	0.000	68.00415	70.88149
9 12	71.05913	.7340899	96.80	0.000	69.62033	72.49792
9 13	74.17595	.7341529	101.04	0.000	72.73703	75.61486
9 14	76.45103	.7342403	104.12	0.000	75.01194	77.89012
9 15	77.91076	.7343071	106.10	0.000	76.47154	79.34998
9 16	79.32958	.7343693	108.02	0.000	77.89023	80.76892
9 17	80.05241	.7344003	109.00	0.000	78.61301	81.49182
9 18	76.49603	.7343339	104.17	0.000	75.05676	77.93531
9 19	69.54819	.7341885	94.73	0.000	68.1092	70.98718
9 20	74.14189	.7341127	101.00	0.000	72.70305	75.58073
9 21	73.15357	.7340771	99.65	0.000	71.7148	74.59233
9 22	65.72649	.7340394	89.54	0.000	64.2878	67.16519
9 23	57.47276	.7340043	78.30	0.000	56.03413	58.91138
9 24	54.65265	.7340557	74.45	0.000	53.21392	56.09138
10 1	46.03346	.7023374	65.54	0.000	44.6569	47.41002
10 2	42.58309	.7024332	60.62	0.000	41.20634	43.95983
10 3	41.3967	.7025095	58.93	0.000	40.0198	42.77359
10 4	40.74159	.7025294	57.99	0.000	39.36465	42.11852
10 5	41.21302	.7024621	58.67	0.000	39.83621	42.58982
10 6	48.04365	.702253	68.41	0.000	46.66725	49.42004
10 7	57.69912	.7020152	82.19	0.000	56.32319	59.07505
10 8	65.3569	.7019392	93.11	0.000	63.98112	66.73268
10 9	66.65237	.7019334	94.96	0.000	65.2766	68.02814
10 10	70.60741	.7019492	100.59	0.000	69.23161	71.98321
10 11	72.4061	.7020479	103.14	0.000	71.0301	73.78209
10 12	75.39648	.7019884	107.40	0.000	74.0206	76.77235
10 13	74.73159	.702014	106.45	0.000	73.35566	76.10751
10 14	74.58982	.7020323	106.25	0.000	73.21385	75.96578
10 15	73.9963	.7020478	105.40	0.000	72.62031	75.3723
10 16	73.09875	.7020585	104.12	0.000	71.72274	74.47477
10 17	73.66781	.702061	104.93	0.000	72.29179	75.04383
10 18	74.05215	.7020591	105.48	0.000	72.67613	75.42816
10 19	78.74532	.7020836	112.16	0.000	77.36925	80.12138
10 20	83.47369	.7020024	118.91	0.000	82.09779	84.8496
10 21	73.29409	.7019791	104.41	0.000	71.91823	74.66995
10 22	65.10744	.7019814	92.75	0.000	63.73157	66.4833
10 23	58.87196	.7020262	83.86	0.000	57.49601	60.24791
10 24	47.83839	.7022021	68.13	0.000	46.4621	49.21469
11 1	25.52213	1.094862	23.31	0.000	23.37623	27.66803
11 2	24.48281	1.095069	22.36	0.000	22.33651	26.62911
11 3	23.02753	1.095202	21.03	0.000	20.88096	25.17409
11 4	23.34463	1.095265	21.31	0.000	21.19794	25.49132
11 5	23.67169	1.095278	21.61	0.000	21.52498	25.8184
11 6	29.11154	1.095211	26.58	0.000	26.96496	31.25812
11 7	37.39143	1.09494	34.15	0.000	35.24538	39.53748
11 8	42.19137	1.094702	38.54	0.000	40.04578	44.33695
11 9	42.17406	1.113668	37.87	0.000	39.99131	44.35682
11 10	39.88777	1.094864	36.43	0.000	37.74187	42.03367
11 11	43.38706	1.094536	39.64	0.000	41.2418	45.53232
11 12	44.05934	1.094543	40.25	0.000	41.91407	46.20461
11 13	44.56027	1.094576	40.71	0.000	42.41493	46.70561
11 14	43.83486	1.094571	40.05	0.000	41.68954	45.98019
11 15	43.01436	1.094573	39.30	0.000	40.86903	45.15969

11 16	42.10479	1.094566	38.47	0.000	39.95948	44.25011
11 17	46.61313	1.094588	42.59	0.000	44.46777	48.75849
11 18	65.85877	1.094705	60.16	0.000	63.71318	68.00437
11 19	61.3042	1.094704	56.00	0.000	59.15861	63.44978
11 20	51.38981	1.094677	46.95	0.000	49.24428	53.53535
11 21	47.51939	1.094623	43.41	0.000	45.37396	49.66481
11 22	46.00872	1.094573	42.03	0.000	43.86339	48.15405
11 23	38.0345	1.094566	34.75	0.000	35.88918	40.17982
11 24	29.85517	1.0947	27.27	0.000	27.70959	32.00075
12 1	55.51133	.9422056	58.92	0.000	53.66464	57.35803
12 2	52.29338	.9424964	55.48	0.000	50.44611	54.14064
12 3	49.40461	.9427414	52.41	0.000	47.55687	51.25236
12 4	48.49604	.9429084	51.43	0.000	46.64796	50.34411
12 5	51.07717	.9428745	54.17	0.000	49.22916	52.92518
12 6	52.51955	.942572	55.72	0.000	50.67214	54.36696
12 7	61.49152	.9422908	65.26	0.000	59.64466	63.33838
12 8	65.41281	.9421806	69.43	0.000	63.56617	67.25946
12 9	66.85858	.9421157	70.97	0.000	65.01206	68.7051
12 10	65.89384	.9420681	69.95	0.000	64.04742	67.74027
12 11	65.82046	.9420236	69.87	0.000	63.97412	67.6668
12 12	62.94761	.9420018	66.82	0.000	61.10132	64.79391
12 13	59.92852	.9419801	63.62	0.000	58.08227	61.77478
12 14	57.36762	.9419989	60.90	0.000	55.52133	59.21391
12 15	55.46147	.9420109	58.88	0.000	53.61516	57.30779
12 16	58.33906	.9420367	61.93	0.000	56.49269	60.18542
12 17	69.83192	.942172	74.12	0.000	67.98529	71.67855
12 18	90.33441	.9423961	95.86	0.000	88.48734	92.18148
12 19	84.98465	.9424514	90.17	0.000	83.13747	86.83183
12 20	75.81679	.942455	80.45	0.000	73.96961	77.66398
12 21	69.98062	.9423744	74.26	0.000	68.13359	71.82764
12 22	65.53305	.9422369	69.55	0.000	63.68629	67.3798
12 23	61.0802	.9420797	64.84	0.000	59.23375	62.92665
12 24	54.32687	.9420782	57.67	0.000	52.48042	56.17331
rm*m*region						
1 1	-7.370816	4.144105	-1.78	0.075	-15.49314	.7515097
1 2	23.70285	5.830436	4.07	0.000	12.27537	35.13034
1 3	136.9236	4.99315	27.42	0.000	127.1372	146.71
2 1	-79.64884	4.837911	-16.46	0.000	-89.13101	-70.16668
2 2	-51.72168	6.409228	-8.07	0.000	-64.28358	-39.15978
2 3	62.55637	5.823665	10.74	0.000	51.14216	73.97059
3 1	-91.13998	12.14386	-7.51	0.000	-114.9416	-67.33838
3 2	-63.93062	12.68307	-5.04	0.000	-88.78906	-39.07217
3 3	47.69559	12.52696	3.81	0.000	23.14311	72.24806
4 1	26.33671	14.44024	1.82	0.068	-1.965749	54.63916
4 2	56.60094	14.84777	3.81	0.000	27.49974	85.70214
4 3	171.8554	15.1505	11.34	0.000	142.1608	201.5499
5 1	75.89699	2.216039	34.25	0.000	71.55362	80.24036
5 2	108.8126	5.240149	20.77	0.000	98.54204	119.0831
5 3	233.523	4.0888	57.11	0.000	225.509	241.5369
6 1	-72.37313	3.95138	-18.32	0.000	-80.11772	-64.62854
6 2	-48.37774	5.932377	-8.15	0.000	-60.00502	-36.75045
6 3	72.36375	4.186314	17.29	0.000	64.1587	80.5688
7 1	-11.88317	3.681856	-3.23	0.001	-19.0995	-4.666837
7 2	14.29143	5.912279	2.42	0.016	2.70354	25.87933
7 3	134.369	4.402505	30.52	0.000	125.7402	142.9977
8 1	-138.8124	3.836328	-36.18	0.000	-146.3315	-131.2933
8 2	-115.385	5.944511	-19.41	0.000	-127.036	-103.7339
8 3	6.34035	4.345567	1.46	0.145	-2.176834	14.85753
9 1	-161.3521	3.917422	-41.19	0.000	-169.0301	-153.6741
9 2	-139.3618	5.949188	-23.43	0.000	-151.022	-127.7016
9 3	-19.94784	4.514418	-4.42	0.000	-28.79596	-11.09971
10 1	-270.4883	4.886882	-55.35	0.000	-280.0665	-260.9102
10 2	-254.0101	6.602516	-38.47	0.000	-266.9508	-241.0693
10 3	-129.8629	5.132291	-25.30	0.000	-139.922	-119.8037
11 1	11.17351	4.509634	2.48	0.013	2.334757	20.01226
11 2	39.8069	5.913092	6.73	0.000	28.21742	51.39639
11 3	150.6276	4.415799	34.11	0.000	141.9728	159.2825
12 1	21.53172	3.84179	5.60	0.000	14.00192	29.06151
12 2	50.31933	5.398886	9.32	0.000	39.73767	60.90099

12	3	164.9844	3.908569	42.21	0.000	157.3237	172.6451
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```

3 . * Put predicted values fro regression into predbase
4 . predict predbase,xb
  (179185 missing values generated)

5 . *keep if name=="CAPITL"|name=="CENTRL"
6 . capture program drop profit

7 . program define profit
  1. args unit offset
  2. set more off
  3. preserve
  4. quietly keep if predbase==.
  5. quietly {
  6. if "`unit'"=="LMS100" {
  7. g heatrate=9076
  8. replace heatrate = 9047 if region==1
  9. g startup=215/200
 10. replace startup=135/200 if region==1
 11. g vom=4.87
 12. replace vom=3.96 if region==1
 13. * This line makes the LMS 100 in NYC a 345kV price
8 . replace vom=vom+1.54 if region==2
 14. }
 15. if "`unit'"=="Frame 7" {
 16. g heatrate=10700
 17. g startup=360/170
 18. g vom=0.54
 19. }
 20. if "`unit'"=="LMS6000" {
 21. g heatrate = 9700
 22. g startup=110/100
 23. g vom=4.17
 24. replace vom=3.28 if region==1
 25. }
 26. }
 27. tempvar p h msdp newp mprofit mh
 28. quietly {
 29. if `offset' !=. replace rm=1+`offset' if rm==.
 30. predict `newp't
 31. * Two versions: one with vom
9 . g `p' = lbmp+`newp'-predbase-(gasp+gastrans)*heatrate/1000-vom
 32. * and one without
10 . *g `p' = lbmp+`newp'-predbase-(gasp+gastrans)*heatrate/1000
11 . replace `p'=0 if `p'<0
 33. sort name y m d h
 34. g `h'=1 if `p'>0
 35. g start = (`h'==1&`h'[_n-1]==.&name[_n-1]==name)
 36. * Again 2 versions-- one with vom
12 . *g startcost = start*((gasp+gastrans)*startup)
13 . * and one without, using 11153 as the startup cost instead
14 . g startcost = start*((gasp+gastrans)*startup+20000/170)
 37. if `offset' !=. local suffix=int(100*`offset')
 38. if `offset' ==. local suffix="base"
 39. drop `newp'
 40. rename `h' runhour
 41. rename `p' profithour
 42. save cap`suffix'2,replace
 43. sort name y m d h
 44. g block=0
 45. replace block=block[_n-1]+start if _n>1
 46. replace block=0 if runhour==.
 47. egen blockprof=sum(profithour),by(block)
 48. egen totstart=sum(startcost),by(block)
 49. replace blockprof=blockprof-totstart
 50. egen blockhours=count(profithour),by(block)
 51. keep if block==block[_n-1]

```

```
52. keep if blockprof>0
53. collapse (sum) blockprof blockhours startcost (count) block, by(name m y) fast
54. egen `mprofit`=mean(blockprof),by(name m)
55. egen scost=mean(startcost),by(name m)
56. egen `mh`=mean(blockhours),by(name m)
57. egen starts=mean(block),by(name m)
58. keep if y==2005
59. keep name m `mprofit' `mh' scost starts
60. rename `mprofit' hprofit
61. rename `mh' hours
62. collapse (sum) hprofit hours scost starts,by(name)
63. sort name
64. }
65. g rm = `offset'
66. g unit= "`unit'"
67. list, noobs sep(0)
68. end

15 .
16 . capture log close
```