



User: Sarah  
Project: NHANES

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name: <unnamed>
log: C:\Users\sarah.vanalsten\Downloads\stata_log.smcl
log type: smcl
opened on: 25 Feb 2020, 13:44:04

1 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
2 . use "C:/Users/sarah.vanalsten/Downloads/nhanes.dta", clear
(Written by R. )

3 .
4 . //set the survey sampling wt
5 . svyset SDMVPSU [pweight = WTMEC6YR], strata(SDMVSTRA)

    pweight: WTMEC6YR
    VCE: linearized
Single unit: missing
Strata 1: SDMVSTRA
    SU 1: SDMVPSU
    FPC 1: <zero>

6 .
7 . //run the regressions to see if interactions by race and sex
8 . //are significant
9 .
10 . //stata can't do LR with svy estimates ////mlogtest, lr
11 . svy: mlogit doingWt i.fsWithHunger
(running mlogit on estimation sample)

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Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>16,804</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>230,745,902</b>
			Design df	=	<b>64</b>
			F( <b>8</b> , <b>57</b> )	=	<b>23.31</b>
			Prob > F	=	<b>0.0000</b>

doingWt	Linearized					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>doing_noth~g</b> fsWithHunger						
1	.3713473	.1351773	2.75	0.008	.1012995	.641395
2	.1500104	.0617581	2.43	0.018	.0266345	.2733863
_cons	<b>-.1439057</b>	<b>.0374775</b>	<b>-3.84</b>	<b>0.000</b>	<b>-.2187757</b>	<b>-.0690358</b>
<b>lost_weigh~1</b> fsWithHunger						
1	.4238741	.1154655	3.67	0.000	.1932052	.654543
2	.1297059	.0729509	1.78	0.080	-.0160302	.2754421
_cons	<b>-.8694126</b>	<b>.0471687</b>	<b>-18.43</b>	<b>0.000</b>	<b>-.963643</b>	<b>-.7751822</b>
<b>lost_weigh~d</b> fsWithHunger						
1	1.356559	.1483587	9.14	0.000	1.060178	1.65294
2	.9597464	.0924582	10.38	0.000	.77504	1.144453
_cons	<b>-2.349971</b>	<b>.0637873</b>	<b>-36.84</b>	<b>0.000</b>	<b>-2.4774</b>	<b>-2.222541</b>
<b>tried_to_l~_</b>	(base outcome)					
<b>tried_to_n~n</b> fsWithHunger						
1	-.152031	.1693819	-0.90	0.373	-.4904103	.1863483
2	-.2282173	.0901716	-2.53	0.014	-.4083557	-.0480788
_cons	<b>-1.455467</b>	<b>.0507397</b>	<b>-28.68</b>	<b>0.000</b>	<b>-1.556831</b>	<b>-1.354103</b>

12 . mlogtest, wald

**Wald tests for independent variables (N=16804)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>25.316</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.fsWithHunger	<b>32.533</b>	<b>4</b>	<b>4</b>	<b>0.000</b>

13 .

14 . svy: mlogit doingWt i.fsWithHunger i.age4 i.edu i.Race  
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata = **60** Number of obs = **12,824**  
 Number of PSUs = **124** Population size = **188,156,883**  
 Design df = **64**  
 F( **40**, **25**) = **24.01**  
 Prob > F = **0.0000**

doingWt	Linearized					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>doing_noth~g</b>						
fsWithHunger						
1	.1680802	.1417868	1.19	0.240	-.1151715	.451332
2	-.0404375	.0750536	-0.54	0.592	-.1903743	.1094993
age4						
2	-.0770415	.0913948	-0.84	0.402	-.2596237	.1055406
3	-.1008043	.0897498	-1.12	0.266	-.2801001	.0784915
4	-.1035786	.0976717	-1.06	0.293	-.2987002	.0915429
edu						
1	-.5191463	.0902393	-5.75	0.000	-.6994201	-.3388725
2	-.9995227	.0859672	-11.63	0.000	-1.171262	-.8277835
Race						
1	-.0056654	.091774	-0.06	0.951	-.189005	.1776742
2	-.1340592	.0997659	-1.34	0.184	-.3333645	.0652461
3	.2333426	.1006187	2.32	0.024	.0323336	.4343516
_cons	.695471	.1097818	6.34	0.000	.4761567	.9147854
<b>lost_weigh~1</b>						
fsWithHunger						
1	.3888445	.1378993	2.82	0.006	.113359	.66433
2	.1626468	.0977889	1.66	0.101	-.032709	.3580026
age4						
2	.0650023	.0853189	0.76	0.449	-.1054418	.2354464
3	-.0121835	.0920446	-0.13	0.895	-.1960638	.1716968
4	.0001002	.1211299	0.00	0.999	-.2418847	.242085
edu						
1	-.1381001	.1145991	-1.21	0.233	-.3670382	.090838
2	-.096392	.0892302	-1.08	0.284	-.2746499	.0818658
Race						
1	.106899	.0800522	1.34	0.186	-.0530236	.2668216
2	-.1175956	.0893205	-1.32	0.193	-.2960338	.0608425
3	-.5427954	.1361564	-3.99	0.000	-.8147992	-.2707916
_cons	-.7459452	.1326622	-5.62	0.000	-1.010968	-.4809221
<b>lost_weigh~d</b>						
fsWithHunger						

	<b>1</b>	<b>1.284814</b>	<b>.1812802</b>	<b>7.09</b>	<b>0.000</b>	<b>.9226653</b>	<b>1.646963</b>
	<b>2</b>	<b>.8137625</b>	<b>.1330163</b>	<b>6.12</b>	<b>0.000</b>	<b>.5480319</b>	<b>1.079493</b>
age4							
2		<b>-.0860964</b>	<b>.132471</b>	<b>-0.65</b>	<b>0.518</b>	<b>-.3507377</b>	<b>.1785448</b>
3		<b>.0657458</b>	<b>.1657694</b>	<b>0.40</b>	<b>0.693</b>	<b>-.2654167</b>	<b>.3969083</b>
4		<b>.0119319</b>	<b>.1445871</b>	<b>0.08</b>	<b>0.934</b>	<b>-.276914</b>	<b>.3007778</b>
edu							
1		<b>-.3790902</b>	<b>.1249288</b>	<b>-3.03</b>	<b>0.003</b>	<b>-.6286642</b>	<b>-.1295162</b>
2		<b>-.9985319</b>	<b>.1245345</b>	<b>-8.02</b>	<b>0.000</b>	<b>-1.247318</b>	<b>-.7497456</b>
Race							
1		<b>.442858</b>	<b>.1278058</b>	<b>3.47</b>	<b>0.001</b>	<b>.1875366</b>	<b>.6981793</b>
2		<b>-.2827463</b>	<b>.1531268</b>	<b>-1.85</b>	<b>0.069</b>	<b>-.5886523</b>	<b>.0231597</b>
3		<b>-.0184023</b>	<b>.1985714</b>	<b>-0.09</b>	<b>0.926</b>	<b>-.4150942</b>	<b>.3782897</b>
_cons		<b>-1.730939</b>	<b>.1567005</b>	<b>-11.05</b>	<b>0.000</b>	<b>-2.043984</b>	<b>-1.417894</b>
<b>tried_to_1~_</b>		(base outcome)					
<b>tried_to_n~n</b>							
fsWithHunger							
1		<b>.0073616</b>	<b>.1929079</b>	<b>0.04</b>	<b>0.970</b>	<b>-.3780163</b>	<b>.3927395</b>
2		<b>-.0625878</b>	<b>.0930925</b>	<b>-0.67</b>	<b>0.504</b>	<b>-.2485615</b>	<b>.1233859</b>
age4							
2		<b>-.1472573</b>	<b>.1292744</b>	<b>-1.14</b>	<b>0.259</b>	<b>-.4055126</b>	<b>.1109979</b>
3		<b>-.0895857</b>	<b>.1300701</b>	<b>-0.69</b>	<b>0.493</b>	<b>-.3494306</b>	<b>.1702592</b>
4		<b>-.0006261</b>	<b>.1150457</b>	<b>-0.01</b>	<b>0.996</b>	<b>-.2304563</b>	<b>.2292041</b>
edu							
1		<b>-.1689404</b>	<b>.1480806</b>	<b>-1.14</b>	<b>0.258</b>	<b>-.4647654</b>	<b>.1268846</b>
2		<b>.2641382</b>	<b>.1153393</b>	<b>2.29</b>	<b>0.025</b>	<b>.0337215</b>	<b>.4945549</b>
Race							
1		<b>-.3288618</b>	<b>.1163588</b>	<b>-2.83</b>	<b>0.006</b>	<b>-.5613152</b>	<b>-.0964084</b>
2		<b>-.2316711</b>	<b>.1355149</b>	<b>-1.71</b>	<b>0.092</b>	<b>-.5023932</b>	<b>.039051</b>
3		<b>-.2541193</b>	<b>.1758828</b>	<b>-1.44</b>	<b>0.153</b>	<b>-.6054856</b>	<b>.0972469</b>
_cons		<b>-1.503793</b>	<b>.1448659</b>	<b>-10.38</b>	<b>0.000</b>	<b>-1.793196</b>	<b>-1.21439</b>

15 . mlogtest, wald

**Wald tests for independent variables (N=12824)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>16.318</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.fsWithHunger	<b>15.741</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.age4	<b>0.835</b>	<b>4</b>	<b>4</b>	<b>0.508</b>
3.age4	<b>0.555</b>	<b>4</b>	<b>4</b>	<b>0.696</b>
4.age4	<b>0.393</b>	<b>4</b>	<b>4</b>	<b>0.813</b>
1.edu	<b>9.301</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.edu	<b>54.135</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
1.Race	<b>4.411</b>	<b>4</b>	<b>4</b>	<b>0.003</b>
2.Race	<b>1.308</b>	<b>4</b>	<b>4</b>	<b>0.277</b>
3.Race	<b>9.189</b>	<b>4</b>	<b>4</b>	<b>0.000</b>

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16 .
end of do-file

17 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

18 . svy: mlogit doingWt i.fsWithHunger i.age4 i.edu i.Race i.BMICat
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

	Number of strata = 60	Number of obs = 12,708
	Number of PSUs = 124	Population size = 186,710,447
	Design df = 64	F( 60, 5) = 26.50
	Prob > F = 0.0008	

doingWt	Linearized					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>doing_noth~g</b>						
fsWithHunger						
1	.2975336	.1440677	2.07	0.043	.0097253	.5853419
2	.0758039	.074119	1.02	0.310	-.0722658	.2238735
<b>age4</b>						
2	.1059955	.0935443	1.13	0.261	-.0808808	.2928718
3	.1151571	.0955223	1.21	0.232	-.0756707	.3059848
4	.1768426	.1056077	1.67	0.099	-.0341331	.3878182
<b>edu</b>						
1	-.485741	.096111	-5.05	0.000	-.6777448	-.2937371
2	-1.095327	.0986277	-11.11	0.000	-1.292359	-.8982958
<b>Race</b>						
1	.2439378	.1003588	2.43	0.018	.0434481	.4444276
2	.0107503	.1038477	0.10	0.918	-.1967094	.21821
3	.0139484	.1021196	0.14	0.892	-.190059	.2179558
<b>BMICat</b>						
2	-2.840613	.6034374	-4.71	0.000	-4.046118	-1.635108
3	-3.757222	.5819395	-6.46	0.000	-4.91978	-2.594664
4	-4.227397	.6016589	-7.03	0.000	-5.429349	-3.025445
5	-4.707534	.5737174	-8.21	0.000	-5.853666	-3.561402
6	-5.115046	.6197437	-8.25	0.000	-6.353126	-3.876965
<b>_cons</b>	<b>4.219847</b>	<b>.6061283</b>	<b>6.96</b>	<b>0.000</b>	<b>3.008967</b>	<b>5.430728</b>
<b>lost_weigh~l</b>						
fsWithHunger						
1	.4090283	.1380878	2.96	0.004	.1331662	.6848903
2	.1794309	.0990875	1.81	0.075	-.018519	.3773809
<b>age4</b>						
2	.0487289	.0872445	0.56	0.578	-.1255621	.2230198
3	-.0324958	.0962552	-0.34	0.737	-.2247876	.159796
4	-.0223282	.1241887	-0.18	0.858	-.2704237	.2257672
<b>edu</b>						
1	-.143761	.115719	-1.24	0.219	-.3749364	.0874143
2	-.1071762	.0915876	-1.17	0.246	-.2901435	.0757912
<b>Race</b>						
1	.1211971	.0809958	1.50	0.139	-.0406107	.2830048
2	-.1344546	.0919141	-1.46	0.148	-.3180742	.0491649
3	-.5363867	.1364925	-3.93	0.000	-.8090618	-.2637116
<b>BMICat</b>						
2	-.4021322	1.065514	-0.38	0.707	-2.530742	1.726478
3	-.1550946	1.069411	-0.15	0.885	-2.291489	1.981299
4	-.1757718	1.067359	-0.16	0.870	-2.308066	1.956523
5	-.3262597	1.042738	-0.31	0.755	-2.409368	1.756849

	6	<b>-.4272995</b>	<b>1.066551</b>	<b>-0.40</b>	<b>0.690</b>	<b>-2.557981</b>	<b>1.703382</b>
	_cons	<b>-.473184</b>	<b>1.060257</b>	<b>-0.45</b>	<b>0.657</b>	<b>-2.591291</b>	<b>1.644923</b>
<b>lost_weigh~d</b>							
fsWithHunger							
1		<b>1.418213</b>	<b>.1767061</b>	<b>8.03</b>	<b>0.000</b>	<b>1.065202</b>	<b>1.771224</b>
2		<b>.9429616</b>	<b>.13184</b>	<b>7.15</b>	<b>0.000</b>	<b>.6795809</b>	<b>1.206342</b>
age4							
2		<b>.0863031</b>	<b>.1470884</b>	<b>0.59</b>	<b>0.559</b>	<b>-.2075397</b>	<b>.3801459</b>
3		<b>.266223</b>	<b>.1702766</b>	<b>1.56</b>	<b>0.123</b>	<b>-.0739435</b>	<b>.6063896</b>
4		<b>.2885853</b>	<b>.1525813</b>	<b>1.89</b>	<b>0.063</b>	<b>-.0162309</b>	<b>.5934016</b>
edu							
1		<b>-.3811122</b>	<b>.1318052</b>	<b>-2.89</b>	<b>0.005</b>	<b>-.6444233</b>	<b>-.1178011</b>
2		<b>-1.090213</b>	<b>.1298618</b>	<b>-8.40</b>	<b>0.000</b>	<b>-1.349642</b>	<b>-.8307842</b>
Race							
1		<b>.6875048</b>	<b>.1335304</b>	<b>5.15</b>	<b>0.000</b>	<b>.4207473</b>	<b>.9542624</b>
2		<b>-.1422339</b>	<b>.1553816</b>	<b>-0.92</b>	<b>0.363</b>	<b>-.4526443</b>	<b>.1681764</b>
3		<b>-.2214196</b>	<b>.2036085</b>	<b>-1.09</b>	<b>0.281</b>	<b>-.6281742</b>	<b>.1853351</b>
BMIcat							
2		<b>-2.814493</b>	<b>.6736538</b>	<b>-4.18</b>	<b>0.000</b>	<b>-4.160271</b>	<b>-1.468715</b>
3		<b>-3.760023</b>	<b>.6638734</b>	<b>-5.66</b>	<b>0.000</b>	<b>-5.086263</b>	<b>-2.433783</b>
4		<b>-4.268141</b>	<b>.6993318</b>	<b>-6.10</b>	<b>0.000</b>	<b>-5.665217</b>	<b>-2.871065</b>
5		<b>-4.574049</b>	<b>.6717175</b>	<b>-6.81</b>	<b>0.000</b>	<b>-5.915959</b>	<b>-3.232139</b>
6		<b>-5.286137</b>	<b>.6681496</b>	<b>-7.91</b>	<b>0.000</b>	<b>-6.62092</b>	<b>-3.951355</b>
_cons		<b>1.795987</b>	<b>.6314806</b>	<b>2.84</b>	<b>0.006</b>	<b>.534459</b>	<b>3.057514</b>
<b>tried_to_l~_</b>		(base outcome)					
<b>tried_to_n~n</b>							
fsWithHunger							
1		<b>.1505649</b>	<b>.1973271</b>	<b>0.76</b>	<b>0.448</b>	<b>-.2436413</b>	<b>.5447711</b>
2		<b>.0463323</b>	<b>.093237</b>	<b>0.50</b>	<b>0.621</b>	<b>-.13993</b>	<b>.2325946</b>
age4							
2		<b>-.0091704</b>	<b>.1205948</b>	<b>-0.08</b>	<b>0.940</b>	<b>-.2500863</b>	<b>.2317454</b>
3		<b>.0706769</b>	<b>.1227782</b>	<b>0.58</b>	<b>0.567</b>	<b>-.1746007</b>	<b>.3159545</b>
4		<b>.2253891</b>	<b>.1110084</b>	<b>2.03</b>	<b>0.046</b>	<b>.0036244</b>	<b>.4471539</b>
edu							
1		<b>-.1423646</b>	<b>.150533</b>	<b>-0.95</b>	<b>0.348</b>	<b>-.4430889</b>	<b>.1583596</b>
2		<b>.1683541</b>	<b>.1181637</b>	<b>1.42</b>	<b>0.159</b>	<b>-.0677051</b>	<b>.4044132</b>
Race							
1		<b>-.1007017</b>	<b>.1210073</b>	<b>-0.83</b>	<b>0.408</b>	<b>-.3424416</b>	<b>.1410383</b>
2		<b>-.1362241</b>	<b>.1370624</b>	<b>-0.99</b>	<b>0.324</b>	<b>-.4100377</b>	<b>.1375895</b>
3		<b>-.433413</b>	<b>.1724576</b>	<b>-2.51</b>	<b>0.014</b>	<b>-.7779366</b>	<b>-.0888894</b>
BMIcat							
2		<b>-1.962883</b>	<b>.7246925</b>	<b>-2.71</b>	<b>0.009</b>	<b>-3.410622</b>	<b>-.5151429</b>
3		<b>-2.723496</b>	<b>.7217763</b>	<b>-3.77</b>	<b>0.000</b>	<b>-4.165409</b>	<b>-1.281582</b>
4		<b>-3.035415</b>	<b>.7426721</b>	<b>-4.09</b>	<b>0.000</b>	<b>-4.519073</b>	<b>-1.551757</b>
5		<b>-3.753391</b>	<b>.7394073</b>	<b>-5.08</b>	<b>0.000</b>	<b>-5.230527</b>	<b>-2.276255</b>
6		<b>-3.941817</b>	<b>.7624791</b>	<b>-5.17</b>	<b>0.000</b>	<b>-5.465044</b>	<b>-2.41859</b>
_cons		<b>1.094856</b>	<b>.7303493</b>	<b>1.50</b>	<b>0.139</b>	<b>-.3641843</b>	<b>2.553897</b>

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19 . mlogtest, wald

Wald tests for independent variables (N=12708)

Ho: All coefficients associated with given variable(s) are 0



|                | F             | df       | df_r     | P>F          |
|----------------|---------------|----------|----------|--------------|
| 1.fsWithHunger | <b>18.225</b> | <b>4</b> | <b>4</b> | <b>0.000</b> |
| 2.fsWithHunger | <b>16.134</b> | <b>4</b> | <b>4</b> | <b>0.000</b> |
| 2.age4         | <b>0.380</b>  | <b>4</b> | <b>4</b> | <b>0.822</b> |
| 3.age4         | <b>1.140</b>  | <b>4</b> | <b>4</b> | <b>0.346</b> |
| 4.age4         | <b>2.669</b>  | <b>4</b> | <b>4</b> | <b>0.041</b> |
| 1.edu          | <b>7.161</b>  | <b>4</b> | <b>4</b> | <b>0.000</b> |
| 2.edu          | <b>48.687</b> | <b>4</b> | <b>4</b> | <b>0.000</b> |
| 1.Race         | <b>6.906</b>  | <b>4</b> | <b>4</b> | <b>0.000</b> |
| 2.Race         | <b>1.201</b>  | <b>4</b> | <b>4</b> | <b>0.319</b> |
| 3.Race         | <b>5.723</b>  | <b>4</b> | <b>4</b> | <b>0.001</b> |
| 2.BMICat       | <b>8.527</b>  | <b>4</b> | <b>4</b> | <b>0.000</b> |
| 3.BMICat       | <b>16.240</b> | <b>4</b> | <b>4</b> | <b>0.000</b> |
| 4.BMICat       | <b>19.292</b> | <b>4</b> | <b>4</b> | <b>0.000</b> |
| 5.BMICat       | <b>25.031</b> | <b>4</b> | <b>4</b> | <b>0.000</b> |
| 6.BMICat       | <b>23.891</b> | <b>4</b> | <b>4</b> | <b>0.000</b> |



20 .
end of do-file

21 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

22 . test _iage1 _iage2 _iag3, nosvyadjust

    Unadjusted Wald test
    _iage1 not found
r(111);

    end of do-file

r(111);

23 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

24 . test _iage4 _iage4 _iage4, nosvyadjust

    Unadjusted Wald test
    _iage4 not found
r(111);

    end of do-file

r(111);

25 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

26 . test _iage42 _iage43 _iage44, nosvyadjust

    Unadjusted Wald test
    _iage42 not found
r(111);

    end of do-file

r(111);

```

```

27 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
28 . test _iage4_2 _iage4_3 _iage4_4, nosvyadjust
    Unadjusted Wald test
    _iage4_2 not found
    r(111);

    end of do-file

r(111);

29 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
30 . test 2.age4 3.age4 4.age4, nosvyadjust
    Unadjusted Wald test

    ( 1) [doing_nothing]2.age4 = 0
    ( 2) [lost_weight_intentional]2.age4 = 0
    ( 3) [lost_weight_unintended]2.age4 = 0
    ( 4) [tried_to_lose_weight_but_didnt_]2o.age4 = 0
    ( 5) [tried_to_not_gain]2.age4 = 0
    ( 6) [doing_nothing]3.age4 = 0
    ( 7) [lost_weight_intentional]3.age4 = 0
    ( 8) [lost_weight_unintended]3.age4 = 0
    ( 9) [tried_to_lose_weight_but_didnt_]3o.age4 = 0
    (10) [tried_to_not_gain]3.age4 = 0
    (11) [doing_nothing]4.age4 = 0
    (12) [lost_weight_intentional]4.age4 = 0
    (13) [lost_weight_unintended]4.age4 = 0
    (14) [tried_to_lose_weight_but_didnt_]4o.age4 = 0
    (15) [tried_to_not_gain]4.age4 = 0
    Constraint 4 dropped
    Constraint 9 dropped
    Constraint 14 dropped

    F( 12,      64) =     1.37
    Prob > F =     0.2040

31 .
    end of do-file

32 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
33 .
34 . svy: mlogit doingWt i.fsWithHunger##i.Male i.age4 i.edu i.Race i.BMICat
    (running mlogit on estimation sample)

    Survey: Multinomial logistic regression

    Number of strata =       60          Number of obs =      12,708
    Number of PSUs   =      124          Population size =  186,710,447
                                         Design df =           64
                                         F( 64,      1) =      .
                                         Prob > F =      .



---



| doingWt             | Linearized      |                 |              |              |                      |                 |
|---------------------|-----------------|-----------------|--------------|--------------|----------------------|-----------------|
|                     | Coef.           | Std. Err.       | t            | P> t         | [95% Conf. Interval] |                 |
| <b>doing_noth~g</b> |                 |                 |              |              |                      |                 |
| fsWithHunger        |                 |                 |              |              |                      |                 |
| 1                   | .4090659        | .1823138        | 2.24         | 0.028        | .0448523             | .7732795        |
| 2                   | .1966107        | .0907288        | 2.17         | 0.034        | .0153591             | .3778622        |
| 1.Male              | <b>1.081704</b> | <b>.0716963</b> | <b>15.09</b> | <b>0.000</b> | <b>.9384742</b>      | <b>1.224934</b> |
| fsWithHunger#       |                 |                 |              |              |                      |                 |
| Male                |                 |                 |              |              |                      |                 |
| 1 1                 | -.2229867       | .2752845        | -0.81        | 0.421        | -.7729307            | .3269572        |
| 2 1                 | -.1379269       | .1429091        | -0.97        | 0.338        | -.4234207            | .1475669        |


```

age4						
2	.1250266	.0953985	1.31	0.195	-.0655538	.3156069
3	.1585864	.0965781	1.64	0.105	-.0343505	.3515233
4	.2172201	.1091937	1.99	0.051	-.0009193	.4353595
edu						
1	-.5362949	.0949246	-5.65	0.000	-.7259287	-.3466612
2	-1.088553	.1028177	-10.59	0.000	-1.293955	-.8831515
Race						
1	.2923252	.1040497	2.81	0.007	.084462	.5001883
2	.0149491	.107001	0.14	0.889	-.1988101	.2287082
3	.0118965	.1114367	0.11	0.915	-.2107239	.234517
BMICat						
2	-3.083612	.6088599	-5.06	0.000	-4.299949	-1.867274
3	-4.217051	.5920399	-7.12	0.000	-5.399787	-3.034316
4	-4.685518	.6085254	-7.70	0.000	-5.901187	-3.469848
5	-5.053032	.5792741	-8.72	0.000	-6.210265	-3.895799
6	-5.389364	.6242695	-8.63	0.000	-6.636485	-4.142242
_cons	4.027443	.6073677	6.63	0.000	2.814087	5.2408
<b>lost_weigh~1</b>						
fsWithHunger						
1	.5135613	.1761111	2.92	0.005	.1617389	.8653837
2	.2310402	.1322575	1.75	0.085	-.0331745	.4952548
1.Male	.3883135	.0780396	4.98	0.000	.2324114	.5442156
fsWithHunger#						
Male						
1 1	-.231468	.269764	-0.86	0.394	-.7703835	.3074475
2 1	-.0743403	.1843168	-0.40	0.688	-.4425556	.2938749
age4						
2	.050533	.0885205	0.57	0.570	-.126307	.2273729
3	-.024717	.0970598	-0.25	0.800	-.2186162	.1691823
4	-.0122803	.1265359	-0.10	0.923	-.2650648	.2405041
edu						
1	-.1627917	.1159042	-1.40	0.165	-.3943371	.0687536
2	-.1111202	.0921736	-1.21	0.232	-.2952581	.0730177
Race						
1	.1456376	.0835882	1.74	0.086	-.021349	.3126242
2	-.1317207	.0922442	-1.43	0.158	-.3159997	.0525583
3	-.5402113	.1374237	-3.93	0.000	-.8147467	-.265676
BMICat						
2	-.4696102	1.069157	-0.44	0.662	-2.605498	1.666277
3	-.303477	1.075824	-0.28	0.779	-2.452683	1.845729
4	-.330454	1.073454	-0.31	0.759	-2.474925	1.814017
5	-.4425142	1.045613	-0.42	0.674	-2.531366	1.646338
6	-.5187279	1.070984	-0.48	0.630	-2.658265	1.620809
_cons	-.5185479	1.060565	-0.49	0.627	-2.637269	1.600174
<b>lost_weigh~d</b>						
fsWithHunger						
1	1.709798	.2396797	7.13	0.000	1.230982	2.188613
2	1.222573	.1789303	6.83	0.000	.8651187	1.580027
1.Male	.9316961	.1434714	6.49	0.000	.6450789	1.218313
fsWithHunger#						
Male						
1 1	-.5647874	.3604778	-1.57	0.122	-1.284925	.1553498
2 1	-.4711928	.2426775	-1.94	0.057	-.9559968	.0136111
age4						

2	.0939384	.1477136	0.64	0.527	-.2011534	.3890301
3	.2923331	.1679225	1.74	0.087	-.0431306	.6277967
4	.3180894	.1527026	2.08	0.041	.0130309	.623148
edu						
1	-.4250645	.1309473	-3.25	0.002	-.6866618	-.1634671
2	-1.098838	.1333988	-8.24	0.000	-1.365333	-.8323438
Race						
1	.7350766	.1356674	5.42	0.000	.4640498	1.006103
2	-.1347773	.1577116	-0.85	0.396	-.4498424	.1802879
3	-.2238456	.2083294	-1.07	0.287	-.6400314	.1923401
BMIcat						
2	-2.976864	.6820357	-4.36	0.000	-4.339386	-1.614341
3	-4.097203	.6739595	-6.08	0.000	-5.443592	-2.750815
4	-4.61008	.7064094	-6.53	0.000	-6.021295	-3.198865
5	-4.83855	.6814731	-7.10	0.000	-6.199949	-3.477151
6	-5.508881	.6733456	-8.18	0.000	-6.854044	-4.163719
_cons	1.611697	.6460104	2.49	0.015	.3211432	2.902252
<b>tried_to_1~</b>	(base outcome)					
<b>tried_to_n~n</b>						
fsWithHunger						
1	.2751363	.2234462	1.23	0.223	-.1712488	.7215214
2	.0605353	.1301432	0.47	0.643	-.1994557	.3205263
1.Male	.7063498	.1102043	6.41	0.000	.4861914	.9265082
fsWithHunger#						
Male						
1 1	-.2376289	.3793586	-0.63	0.533	-.9954849	.5202271
2 1	.0515276	.1840984	0.28	0.780	-.3162512	.4193065
age4						
2	-.0003554	.1220585	-0.00	0.998	-.2441953	.2434846
3	.0904489	.1208609	0.75	0.457	-.1509984	.3318962
4	.2442597	.1116882	2.19	0.032	.0211369	.4673825
edu						
1	-.1811936	.1527161	-1.19	0.240	-.4862791	.1238918
2	.1642839	.1190734	1.38	0.172	-.0735926	.4021603
Race						
1	-.0511367	.1220808	-0.42	0.677	-.2950212	.1927478
2	-.1321548	.1377686	-0.96	0.341	-.4073792	.1430696
3	-.4388326	.1725232	-2.54	0.013	-.7834873	-.0941778
BMIcat						
2	-2.102218	.717926	-2.93	0.005	-3.53644	-.6679956
3	-3.009484	.7093452	-4.24	0.000	-4.426564	-1.592404
4	-3.331016	.7294343	-4.57	0.000	-4.788228	-1.873803
5	-3.977248	.7338284	-5.42	0.000	-5.443239	-2.511257
6	-4.110148	.7534865	-5.45	0.000	-5.615411	-2.604886
_cons	.9940553	.7348098	1.35	0.181	-.4738959	2.462007

```

35 .
end of do-file

36 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
37 . mlogtest, wald

```

**Wald tests for independent variables (N=12708)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>15.060</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.fsWithHunger	<b>11.707</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
1.Male	<b>62.222</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
1.fsWithHunger#				
1.Male	<b>0.636</b>	<b>4</b>	<b>4</b>	<b>0.639</b>
2.fsWithHunger#				
1.Male	<b>1.373</b>	<b>4</b>	<b>4</b>	<b>0.254</b>
2.age4	<b>0.483</b>	<b>4</b>	<b>4</b>	<b>0.748</b>
3.age4	<b>1.625</b>	<b>4</b>	<b>4</b>	<b>0.179</b>
4.age4	<b>3.354</b>	<b>4</b>	<b>4</b>	<b>0.015</b>
1.edu	<b>9.000</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.edu	<b>44.849</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
1.Race	<b>7.533</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.Race	<b>1.180</b>	<b>4</b>	<b>4</b>	<b>0.329</b>
3.Race	<b>5.774</b>	<b>4</b>	<b>4</b>	<b>0.001</b>
2.BMICat	<b>9.653</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
3.BMICat	<b>19.067</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
4.BMICat	<b>22.549</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
5.BMICat	<b>27.268</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
6.BMICat	<b>25.779</b>	<b>4</b>	<b>4</b>	<b>0.000</b>

```

38 .
end of do-file

39 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
40 .
41 . test 2.fsWithHunger#1.Male 1.fsWithHunger#1.Male , nosvyadjust

```

Unadjusted Wald test

```

( 1) [doing_nothing]2.fsWithHunger#1.Male = 0
( 2) [lost_weight_intentional]2.fsWithHunger#1.Male = 0
( 3) [lost_weight_unintended]2.fsWithHunger#1.Male = 0
( 4) [tried_to_lose_weight_but_didnt_]2o.fsWithHunger#1o.Male = 0
( 5) [tried_to_not_gain]2.fsWithHunger#1.Male = 0
( 6) [doing_nothing]1.fsWithHunger#1.Male = 0
( 7) [lost_weight_intentional]1.fsWithHunger#1.Male = 0
( 8) [lost_weight_unintended]1.fsWithHunger#1.Male = 0
( 9) [tried_to_lose_weight_but_didnt_]1o.fsWithHunger#1o.Male = 0
(10) [tried_to_not_gain]1.fsWithHunger#1.Male = 0
Constraint 4 dropped
Constraint 9 dropped

F( 8,      64) =      0.87
Prob > F =      0.5496

```

```

42 .
end of do-file

43 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
44 . svy: mlogit doingWt i.fsWithHunger##i.Race i.age4 i.edu i.Male i.BMICat
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata      =       60          Number of obs     =    12,708
Number of PSUs        =      124          Population size = 186,710,447
Design df              =           64
F( 64,      1)          =           .
Prob > F              =           .


```

doingWt	Linearized					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>doing_noth~g</b>						
fsWithHunger						
1	.3006771	.2097611	1.43	0.157	-.1183688	.719723
2	.2379705	.1169435	2.03	0.046	.0043491	.471592
Race						
1	.3408263	.1125588	3.03	0.004	.1159644	.5656883
2	.0716664	.1239595	0.58	0.565	-.1759711	.319304
3	.0237736	.1218727	0.20	0.846	-.2196952	.2672424
fsWithHunger#						
Race						
1 1	-.0330543	.2709114	-0.12	0.903	-.574262	.5081534
1 2	-.1543496	.2662182	-0.58	0.564	-.6861816	.3774824
1 3	.7860122	.5871605	1.34	0.185	-.3869757	1.959
2 1	-.2083556	.1691988	-1.23	0.223	-.5463692	.1296579
2 2	-.1955958	.1472738	-1.33	0.189	-.4898091	.0986175
2 3	-.2920792	.2591385	-1.13	0.264	-.8097677	.2256094
age4						
2	.1254302	.09626	1.30	0.197	-.0668713	.3177316
3	.1566917	.0973536	1.61	0.112	-.0377946	.3511779
4	.2208689	.1086748	2.03	0.046	.0037661	.4379718
edu						
1	-.5418501	.0952071	-5.69	0.000	-.7320481	-.3516522
2	-1.090089	.1021825	-10.67	0.000	-1.294222	-.8859561
1.Male						
	1.046933	.0632737	16.55	0.000	.9205291	1.173336
BMICat						
2	-3.081089	.6100093	-5.05	0.000	-4.299722	-1.862455
3	-4.209863	.5930313	-7.10	0.000	-5.394579	-3.025146
4	-4.67722	.6095853	-7.67	0.000	-5.895007	-3.459434
5	-5.048419	.5811756	-8.69	0.000	-6.209451	-3.887387
6	-5.382995	.6259242	-8.60	0.000	-6.633422	-4.132568
_cons	4.027446	.6078266	6.63	0.000	2.813172	5.241719
<b>lost_weigh~1</b>						
fsWithHunger						
1	.3050408	.2346281	1.30	0.198	-.1636827	.7737644
2	.2396863	.1565273	1.53	0.131	-.0730129	.5523856
Race						
1	.1326588	.0975852	1.36	0.179	-.0622901	.3276077
2	-.1084909	.1216613	-0.89	0.376	-.3515373	.1345555
3	-.602727	.1721648	-3.50	0.001	-.9466658	-.2587882
fsWithHunger#						
Race						
1 1	.1859027	.3217066	0.58	0.565	-.4567801	.8285856

1 2	.0990396	.3463158	0.29	0.776	-.5928056	.7908849
1 3	1.082502	.5624819	1.92	0.059	-.0411852	2.206188
2 1	-.0176388	.1889096	-0.09	0.926	-.3950292	.3597515
2 2	-.1095421	.2127386	-0.51	0.608	-.5345363	.3154521
2 3	.0209975	.2905212	0.07	0.943	-.5593852	.6013803
age4						
2	.0522158	.0892046	0.59	0.560	-.125991	.2304225
3	-.0258665	.098011	-0.26	0.793	-.221666	.1699331
4	-.0105868	.1269861	-0.08	0.934	-.2642707	.2430971
edu						
1	-.165184	.1169991	-1.41	0.163	-.3989165	.0685486
2	-.1104019	.0917818	-1.20	0.233	-.2937572	.0729533
1.Male	.3652306	.0535851	6.82	0.000	.2581821	.4722791
BMIcat						
2	-.4662331	1.069508	-0.44	0.664	-2.602821	1.670354
3	-.298109	1.075401	-0.28	0.783	-2.44647	1.850252
4	-.3243019	1.073191	-0.30	0.763	-2.468247	1.819643
5	-.4371151	1.045306	-0.42	0.677	-2.525354	1.651124
6	-.5137272	1.070968	-0.48	0.633	-2.653232	1.625777
_cons	-.5130639	1.060416	-0.48	0.630	-2.631488	1.60536
<b>lost_weight</b>						
fsWithHunger						
1	1.817412	.2278144	7.98	0.000	1.3623	2.272523
2	1.41905	.1645447	8.62	0.000	1.090335	1.747766
Race						
1	1.167086	.1543483	7.56	0.000	.8587402	1.475433
2	.3876831	.1878955	2.06	0.043	.0123187	.7630476
3	.0536491	.2315394	0.23	0.818	-.408904	.5162023
fsWithHunger#						
Race						
1 1	-1.041942	.354015	-2.94	0.005	-1.749168	-.3347156
1 2	-.9813723	.3392878	-2.89	0.005	-1.659178	-.3035671
1 3	-.087043	.6908951	-0.13	0.900	-1.467265	1.293179
2 1	-.8500722	.2442658	-3.48	0.001	-1.338049	-.3620951
2 2	-1.052497	.228253	-4.61	0.000	-1.508484	-.596509
2 3	-.8589208	.376125	-2.28	0.026	-1.610317	-.1075247
age4						
2	.0903566	.1489253	0.61	0.546	-.2071558	.3878691
3	.2829737	.168212	1.68	0.097	-.0530683	.6190158
4	.3306425	.1532086	2.16	0.035	.0245731	.6367119
edu						
1	-.4447435	.1345744	-3.30	0.002	-.7135868	-.1759001
2	-1.09835	.1323952	-8.30	0.000	-1.36284	-.8338597
1.Male	.7195268	.0924153	7.79	0.000	.534906	.9041477
BMIcat						
2	-2.965403	.6838232	-4.34	0.000	-4.331497	-1.599309
3	-4.055304	.6776521	-5.98	0.000	-5.40907	-2.701539
4	-4.564356	.7120652	-6.41	0.000	-5.98687	-3.141842
5	-4.813765	.6866148	-7.01	0.000	-6.185436	-3.442094
6	-5.472073	.6821242	-8.02	0.000	-6.834773	-4.109374
_cons	1.541674	.6442256	2.39	0.020	.2546858	2.828663
<b>tried_to_1~</b>	(base outcome)					
<b>tried_to_n~n</b>						
fsWithHunger						
1	-.0034332	.3065167	-0.01	0.991	-.6157706	.6089042
2	.0929732	.1547399	0.60	0.550	-.2161553	.4021018

Race						
1	<b>-.2665403</b>	<b>.1686314</b>	<b>-1.58</b>	<b>0.119</b>	<b>-.6034202</b>	<b>.0703396</b>
2	<b>-.0286729</b>	<b>.1364448</b>	<b>-0.21</b>	<b>0.834</b>	<b>-.3012526</b>	<b>.2439068</b>
3	<b>-.4900681</b>	<b>.1971483</b>	<b>-2.49</b>	<b>0.016</b>	<b>-.8839171</b>	<b>-.096219</b>
fsWithHunger#						
Race						
1 1	<b>.7043513</b>	<b>.4657377</b>	<b>1.51</b>	<b>0.135</b>	<b>-.2260668</b>	<b>1.634769</b>
1 2	<b>.0612856</b>	<b>.4656919</b>	<b>0.13</b>	<b>0.896</b>	<b>-.869041</b>	<b>.9916122</b>
1 3	<b>1.009781</b>	<b>.7139386</b>	<b>1.41</b>	<b>0.162</b>	<b>-.4164751</b>	<b>2.436037</b>
2 1	<b>.5119534</b>	<b>.2694999</b>	<b>1.90</b>	<b>0.062</b>	<b>-.0264346</b>	<b>1.050341</b>
2 2	<b>-.3211637</b>	<b>.2378089</b>	<b>-1.35</b>	<b>0.182</b>	<b>-.7962416</b>	<b>.1539142</b>
2 3	<b>.1249605</b>	<b>.3569466</b>	<b>0.35</b>	<b>0.727</b>	<b>-.5881222</b>	<b>.8380433</b>
age4						
2	<b>.0005618</b>	<b>.122577</b>	<b>0.00</b>	<b>0.996</b>	<b>-.244314</b>	<b>.2454375</b>
3	<b>.0886199</b>	<b>.1208594</b>	<b>0.73</b>	<b>0.466</b>	<b>-.1528244</b>	<b>.3300643</b>
4	<b>.2426788</b>	<b>.1107187</b>	<b>2.19</b>	<b>0.032</b>	<b>.0214928</b>	<b>.4638649</b>
edu						
1	<b>-.1948394</b>	<b>.1523717</b>	<b>-1.28</b>	<b>0.206</b>	<b>-.4992369</b>	<b>.1095582</b>
2	<b>.1520659</b>	<b>.119295</b>	<b>1.27</b>	<b>0.207</b>	<b>-.0862533</b>	<b>.3903851</b>
1.Male	<b>.7049071</b>	<b>.1005433</b>	<b>7.01</b>	<b>0.000</b>	<b>.5040486</b>	<b>.9057655</b>
BMIcat						
2	<b>-2.10299</b>	<b>.7183306</b>	<b>-2.93</b>	<b>0.005</b>	<b>-3.538021</b>	<b>-.6679597</b>
3	<b>-3.00856</b>	<b>.7100512</b>	<b>-4.24</b>	<b>0.000</b>	<b>-4.42705</b>	<b>-1.59007</b>
4	<b>-3.327803</b>	<b>.7302502</b>	<b>-4.56</b>	<b>0.000</b>	<b>-4.786645</b>	<b>-1.86896</b>
5	<b>-3.974604</b>	<b>.736096</b>	<b>-5.40</b>	<b>0.000</b>	<b>-5.445125</b>	<b>-2.504083</b>
6	<b>-4.115382</b>	<b>.7552067</b>	<b>-5.45</b>	<b>0.000</b>	<b>-5.624081</b>	<b>-2.606683</b>
_cons	<b>1.00959</b>	<b>.7338864</b>	<b>1.38</b>	<b>0.174</b>	<b>-.4565162</b>	<b>2.475697</b>

45 . mlogtest, wald

**Wald tests for independent variables (N=12708)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>21.526</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.fsWithHunger	<b>21.415</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
1.Race	<b>14.707</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.Race	<b>2.535</b>	<b>4</b>	<b>4</b>	<b>0.049</b>
3.Race	<b>5.757</b>	<b>4</b>	<b>4</b>	<b>0.001</b>
1.fsWithHunger#				
1.Race	<b>3.813</b>	<b>4</b>	<b>4</b>	<b>0.008</b>
1.fsWithHunger#				
2.Race	<b>3.064</b>	<b>4</b>	<b>4</b>	<b>0.023</b>
1.fsWithHunger#				
3.Race	<b>2.065</b>	<b>4</b>	<b>4</b>	<b>0.096</b>
2.fsWithHunger#				
1.Race	<b>4.784</b>	<b>4</b>	<b>4</b>	<b>0.002</b>
2.fsWithHunger#				
2.Race	<b>5.354</b>	<b>4</b>	<b>4</b>	<b>0.001</b>
2.fsWithHunger#				
3.Race	<b>1.813</b>	<b>4</b>	<b>4</b>	<b>0.138</b>
2.age4	<b>0.478</b>	<b>4</b>	<b>4</b>	<b>0.752</b>
3.age4	<b>1.594</b>	<b>4</b>	<b>4</b>	<b>0.187</b>
4.age4	<b>3.468</b>	<b>4</b>	<b>4</b>	<b>0.013</b>
1.edu	<b>9.099</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.edu	<b>45.221</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
1.Male	<b>83.214</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.BMICat	<b>9.616</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
3.BMICat	<b>19.029</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
4.BMICat	<b>22.554</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
5.BMICat	<b>27.144</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
6.BMICat	<b>25.412</b>	<b>4</b>	<b>4</b>	<b>0.000</b>

```

46 .
end of do-file

47 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
48 . test 1.fsWithHunger#1.Race 2.fsWithHunger#1.Race , nosvyadjust

Unadjusted Wald test

( 1) [doing_nothing]1.fsWithHunger#1.Race = 0
( 2) [lost_weight_intentional]1.fsWithHunger#1.Race = 0
( 3) [lost_weight_unintended]1.fsWithHunger#1.Race = 0
( 4) [tried_to_lose_weight_but_didnt_]1o.fsWithHunger#1o.Race = 0
( 5) [tried_to_not_gain]1.fsWithHunger#1.Race = 0
( 6) [doing_nothing]2.fsWithHunger#1.Race = 0
( 7) [lost_weight_intentional]2.fsWithHunger#1.Race = 0
( 8) [lost_weight_unintended]2.fsWithHunger#1.Race = 0
( 9) [tried_to_lose_weight_but_didnt_]2o.fsWithHunger#1o.Race = 0
(10) [tried_to_not_gain]2.fsWithHunger#1.Race = 0
Constraint 4 dropped
Constraint 9 dropped

F(  8,      64) =     3.42
Prob > F =     0.0025

49 .
end of do-file

50 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
51 . test 1.fsWithHunger#1.Race 2.fsWithHunger#1.Race , nosvyadjust

Unadjusted Wald test

( 1) [doing_nothing]1.fsWithHunger#1.Race = 0
( 2) [lost_weight_intentional]1.fsWithHunger#1.Race = 0
( 3) [lost_weight_unintended]1.fsWithHunger#1.Race = 0
( 4) [tried_to_lose_weight_but_didnt_]1o.fsWithHunger#1o.Race = 0
( 5) [tried_to_not_gain]1.fsWithHunger#1.Race = 0
( 6) [doing_nothing]2.fsWithHunger#1.Race = 0
( 7) [lost_weight_intentional]2.fsWithHunger#1.Race = 0
( 8) [lost_weight_unintended]2.fsWithHunger#1.Race = 0
( 9) [tried_to_lose_weight_but_didnt_]2o.fsWithHunger#1o.Race = 0
(10) [tried_to_not_gain]2.fsWithHunger#1.Race = 0
Constraint 4 dropped
Constraint 9 dropped

F(  8,      64) =     3.42
Prob > F =     0.0025

52 . test 1.fsWithHunger#2.Race 2.fsWithHunger#2.Race , nosvyadjust

Unadjusted Wald test

( 1) [doing_nothing]1.fsWithHunger#2.Race = 0
( 2) [lost_weight_intentional]1.fsWithHunger#2.Race = 0
( 3) [lost_weight_unintended]1.fsWithHunger#2.Race = 0
( 4) [tried_to_lose_weight_but_didnt_]1o.fsWithHunger#2o.Race = 0
( 5) [tried_to_not_gain]1.fsWithHunger#2.Race = 0
( 6) [doing_nothing]2.fsWithHunger#2.Race = 0
( 7) [lost_weight_intentional]2.fsWithHunger#2.Race = 0
( 8) [lost_weight_unintended]2.fsWithHunger#2.Race = 0
( 9) [tried_to_lose_weight_but_didnt_]2o.fsWithHunger#2o.Race = 0
(10) [tried_to_not_gain]2.fsWithHunger#2.Race = 0
Constraint 4 dropped
Constraint 9 dropped

F(  8,      64) =     3.84
Prob > F =     0.0010

```

```

53 .
end of do-file

54 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
55 . test 1.fsWithHunger#3.Race 2.fsWithHunger#3.Race , nosvyadjust

Unadjusted Wald test

( 1) [doing_nothing]1.fsWithHunger#3.Race = 0
( 2) [lost_weight_intentional]1.fsWithHunger#3.Race = 0
( 3) [lost_weight_unintended]1.fsWithHunger#3.Race = 0
( 4) [tried_to_lose_weight_but_didnt_]1o.fsWithHunger#3o.Race = 0
( 5) [tried_to_not_gain]1.fsWithHunger#3.Race = 0
( 6) [doing_nothing]2.fsWithHunger#3.Race = 0
( 7) [lost_weight_intentional]2.fsWithHunger#3.Race = 0
( 8) [lost_weight_unintended]2.fsWithHunger#3.Race = 0
( 9) [tried_to_lose_weight_but_didnt_]2o.fsWithHunger#3o.Race = 0
(10) [tried_to_not_gain]2.fsWithHunger#3.Race = 0
Constraint 4 dropped
Constraint 9 dropped

F(  8,      64) =     2.16
                  Prob > F =    0.0425

```

```

56 .
end of do-file

57 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
58 . svy: mlogit doingWt i.fsWithHunger i.age4 i.edu i.Male
(running mlogit on estimation sample)

```

## Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>12,824</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>188,156,883</b>
			Design df	=	<b>64</b>
			F( 32, 33)	=	<b>42.40</b>
			Prob > F	=	<b>0.0000</b>

doingWt	Coef.	Linearized Std. Err.	t	P> t	[95% Conf. Interval]
<b>doing_noth~g</b>					
fsWithHunger					
1	.1868695	.1350545	1.38	0.171	-.0829329 .456672
2	-.0102313	.0750163	-0.14	0.892	-.1600936 .1396311
age4					
2	-.0801224	.093252	-0.86	0.393	-.2664147 .1061699
3	-.0837963	.0906085	-0.92	0.359	-.2648075 .0972149
4	-.0890286	.0985356	-0.90	0.370	-.2858761 .1078189
edu					
1	-.5189433	.0887794	-5.85	0.000	-.6963006 -.341586
2	-.923853	.0845603	-10.93	0.000	-1.092782 -.7549244
1.Male	.8528821	.0556848	15.32	0.000	.7416388 .9641253
_cons	.2209225	.0982426	2.25	0.028	.0246604 .4171846
<b>lost_weigh~1</b>					
fsWithHunger					
1	.4079911	.1374121	2.97	0.004	.1334789 .6825033
2	.1837213	.0965281	1.90	0.062	-.0091159 .3765584
age4					
2	.0705419	.0860754	0.82	0.416	-.1014134 .2424972
3	.0077076	.0923325	0.08	0.934	-.1767477 .192163
4	.0270267	.1193973	0.23	0.822	-.2114968 .2655502

edu						
1	<b>-.1195684</b>	<b>.1111624</b>	<b>-1.08</b>	<b>0.286</b>	<b>-.3416408</b>	<b>.102504</b>
2	<b>-.0662492</b>	<b>.0872205</b>	<b>-0.76</b>	<b>0.450</b>	<b>-.2404923</b>	<b>.1079938</b>
1.Male	<b>.3825217</b>	<b>.0525983</b>	<b>7.27</b>	<b>0.000</b>	<b>.2774444</b>	<b>.4875989</b>
_cons	<b>-.9879661</b>	<b>.1134012</b>	<b>-8.71</b>	<b>0.000</b>	<b>-1.214511</b>	<b>-.7614212</b>
<b>lost_weigh~d</b>						
<b>fsWithHunger</b>						
1	<b>1.33465</b>	<b>.176784</b>	<b>7.55</b>	<b>0.000</b>	<b>.9814834</b>	<b>1.687817</b>
2	<b>.8558215</b>	<b>.1270277</b>	<b>6.74</b>	<b>0.000</b>	<b>.6020545</b>	<b>1.109588</b>
age4						
2	<b>-.0840337</b>	<b>.1301422</b>	<b>-0.65</b>	<b>0.521</b>	<b>-.3440227</b>	<b>.1759552</b>
3	<b>.0920282</b>	<b>.166464</b>	<b>0.55</b>	<b>0.582</b>	<b>-.2405219</b>	<b>.4245783</b>
4	<b>.0537847</b>	<b>.1465207</b>	<b>0.37</b>	<b>0.715</b>	<b>-.238924</b>	<b>.3464933</b>
edu						
1	<b>-.3266891</b>	<b>.1188366</b>	<b>-2.75</b>	<b>0.008</b>	<b>-.5640925</b>	<b>-.0892857</b>
2	<b>-.9005571</b>	<b>.1176931</b>	<b>-7.65</b>	<b>0.000</b>	<b>-1.135676</b>	<b>-.665438</b>
1.Male	<b>.5829748</b>	<b>.0940503</b>	<b>6.20</b>	<b>0.000</b>	<b>.3950878</b>	<b>.7708619</b>
_cons	<b>-2.072167</b>	<b>.147319</b>	<b>-14.07</b>	<b>0.000</b>	<b>-2.366471</b>	<b>-1.777864</b>
<b>tried_to_1~</b>	(base outcome)					
<b>tried_to_n~n</b>						
<b>fsWithHunger</b>						
1	<b>-.0086734</b>	<b>.1957178</b>	<b>-0.04</b>	<b>0.965</b>	<b>-.3996646</b>	<b>.3823178</b>
2	<b>-.0807941</b>	<b>.0914171</b>	<b>-0.88</b>	<b>0.380</b>	<b>-.2634207</b>	<b>.1018324</b>
age4						
2	<b>-.1428298</b>	<b>.1295628</b>	<b>-1.10</b>	<b>0.274</b>	<b>-.4016612</b>	<b>.1160016</b>
3	<b>-.0648117</b>	<b>.1291005</b>	<b>-0.50</b>	<b>0.617</b>	<b>-.3227196</b>	<b>.1930963</b>
4	<b>.0329157</b>	<b>.1146847</b>	<b>0.29</b>	<b>0.775</b>	<b>-.1961933</b>	<b>.2620248</b>
edu						
1	<b>-.1359777</b>	<b>.1532369</b>	<b>-0.89</b>	<b>0.378</b>	<b>-.4421036</b>	<b>.1701482</b>
2	<b>.3426957</b>	<b>.1115821</b>	<b>3.07</b>	<b>0.003</b>	<b>.1197848</b>	<b>.5656067</b>
1.Male	<b>.5683394</b>	<b>.1051309</b>	<b>5.41</b>	<b>0.000</b>	<b>.3583162</b>	<b>.7783625</b>
_cons	<b>-1.914789</b>	<b>.1304934</b>	<b>-14.67</b>	<b>0.000</b>	<b>-2.175479</b>	<b>-1.654098</b>

59 . mlogtest, wald

**Wald tests for independent variables (N=12824)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>18.728</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.fsWithHunger	<b>18.430</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.age4	<b>0.862</b>	<b>4</b>	<b>4</b>	<b>0.492</b>
3.age4	<b>0.472</b>	<b>4</b>	<b>4</b>	<b>0.756</b>
4.age4	<b>0.488</b>	<b>4</b>	<b>4</b>	<b>0.745</b>
1.edu	<b>9.527</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.edu	<b>46.731</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
1.Male	<b>68.854</b>	<b>4</b>	<b>4</b>	<b>0.000</b>

```

60 .
end of do-file

61 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
62 . svy: mlogit doingWt i.fsWithHunger i.age4 i.edu i.Male i.BMICat
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>12,708</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>186,710,447</b>
			Design df	=	<b>64</b>
			F( <b>52, 13)</b>	=	<b>52.18</b>
			Prob > F	=	<b>0.0000</b>

doingWt	Linearized					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>doing_noth~g</b>						
fsWithHunger						
1	.3352893	.1382534	2.43	0.018	.0590964	.6114822
2	.1553417	.0768242	2.02	0.047	.0018677	.3088156
<b>age4</b>						
2	.1238644	.0951318	1.30	0.198	-.0661834	.3139121
3	.155549	.0943925	1.65	0.104	-.0330217	.3441197
4	.2123611	.1049643	2.02	0.047	.0026708	.4220515
<b>edu</b>						
1	-.5361983	.0958533	-5.59	0.000	-.7276873	-.3447093
2	-1.088402	.0996707	-10.92	0.000	-1.287518	-.8892873
<b>1.Male</b>	<b>1.037077</b>	<b>.0619994</b>	<b>16.73</b>	<b>0.000</b>	<b>.9132188</b>	<b>1.160935</b>
<b>BMICat</b>						
2	-3.087015	.6066856	-5.09	0.000	-4.299009	-1.875021
3	-4.20241	.5885891	-7.14	0.000	-5.378252	-3.026568
4	-4.66028	.6037278	-7.72	0.000	-5.866365	-3.454195
5	-5.020641	.5763473	-8.71	0.000	-6.172027	-3.869255
6	-5.335309	.6202901	-8.60	0.000	-6.574481	-4.096137
<b>_cons</b>	<b>4.066607</b>	<b>.6077538</b>	<b>6.69</b>	<b>0.000</b>	<b>2.852479</b>	<b>5.280734</b>
<b>lost_weigh~1</b>						
fsWithHunger						
1	.4264844	.1369651	3.11	0.003	.1528651	.7001036
2	.1980832	.0978369	2.02	0.047	.0026316	.3935348
<b>age4</b>						
2	.05598	.0877755	0.64	0.526	-.1193718	.2313318
3	-.0119534	.0960049	-0.12	0.901	-.2037453	.1798385
4	.0103312	.1219226	0.08	0.933	-.2332373	.2538996
<b>edu</b>						
1	-.1311257	.1119828	-1.17	0.246	-.354837	.0925857
2	-.0862735	.0879528	-0.98	0.330	-.2619794	.0894323
<b>1.Male</b>	<b>.3564094</b>	<b>.0519211</b>	<b>6.86</b>	<b>0.000</b>	<b>.2526852</b>	<b>.4601337</b>
<b>BMICat</b>						
2	-.4759836	1.067817	-0.45	0.657	-2.609193	1.657226
3	-.2839277	1.074164	-0.26	0.792	-2.429818	1.861962
4	-.299076	1.071894	-0.28	0.781	-2.440431	1.842279
5	-.3935764	1.044376	-0.38	0.708	-2.479957	1.692804
6	-.458065	1.069248	-0.43	0.670	-2.594134	1.678004
<b>_cons</b>	<b>-.598955</b>	<b>1.054759</b>	<b>-0.57</b>	<b>0.572</b>	<b>-2.706078</b>	<b>1.508168</b>
<b>lost_weigh~d</b>						
fsWithHunger						

	<b>1</b>	<b>1.4971</b>	<b>.1713799</b>	<b>8.74</b>	<b>0.000</b>	<b>1.154729</b>	<b>1.839471</b>
	<b>2</b>	<b>1.037416</b>	<b>.1267127</b>	<b>8.19</b>	<b>0.000</b>	<b>.7842784</b>	<b>1.290554</b>
age4							
2		<b>.091109</b>	<b>.1466496</b>	<b>0.62</b>	<b>0.537</b>	<b>-.2018574</b>	<b>.3840753</b>
3		<b>.2972838</b>	<b>.1713394</b>	<b>1.74</b>	<b>0.088</b>	<b>-.045006</b>	<b>.6395736</b>
4		<b>.33454</b>	<b>.1540583</b>	<b>2.17</b>	<b>0.034</b>	<b>.0267732</b>	<b>.6423069</b>
edu							
1		<b>-.3761047</b>	<b>.1266437</b>	<b>-2.97</b>	<b>0.004</b>	<b>-.6291046</b>	<b>-.1231049</b>
2		<b>-1.063498</b>	<b>.1251725</b>	<b>-8.50</b>	<b>0.000</b>	<b>-1.313559</b>	<b>-.8134368</b>
1.Male		<b>.7138918</b>	<b>.090493</b>	<b>7.89</b>	<b>0.000</b>	<b>.5331113</b>	<b>.8946723</b>
BMIcat							
2		<b>-3.00237</b>	<b>.672444</b>	<b>-4.46</b>	<b>0.000</b>	<b>-4.345732</b>	<b>-1.659009</b>
3		<b>-4.08576</b>	<b>.6651588</b>	<b>-6.14</b>	<b>0.000</b>	<b>-5.414568</b>	<b>-2.756953</b>
4		<b>-4.561065</b>	<b>.6956825</b>	<b>-6.56</b>	<b>0.000</b>	<b>-5.950851</b>	<b>-3.17128</b>
5		<b>-4.76681</b>	<b>.6747569</b>	<b>-7.06</b>	<b>0.000</b>	<b>-6.114792</b>	<b>-3.418828</b>
6		<b>-5.349941</b>	<b>.6623245</b>	<b>-8.08</b>	<b>0.000</b>	<b>-6.673086</b>	<b>-4.026796</b>
_cons		<b>1.722114</b>	<b>.6332014</b>	<b>2.72</b>	<b>0.008</b>	<b>.4571485</b>	<b>2.987079</b>
<b>tried_to_1~_</b>		(base outcome)					
<b>tried_to_n~n</b>							
fsWithHunger							
1		<b>.168143</b>	<b>.2035972</b>	<b>0.83</b>	<b>0.412</b>	<b>-.2385892</b>	<b>.5748751</b>
2		<b>.0779525</b>	<b>.0926315</b>	<b>0.84</b>	<b>0.403</b>	<b>-.1071003</b>	<b>.2630052</b>
age4							
2		<b>.0058863</b>	<b>.1216048</b>	<b>0.05</b>	<b>0.962</b>	<b>-.2370473</b>	<b>.2488199</b>
3		<b>.1050234</b>	<b>.1210354</b>	<b>0.87</b>	<b>0.389</b>	<b>-.1367727</b>	<b>.3468194</b>
4		<b>.2699212</b>	<b>.1106721</b>	<b>2.44</b>	<b>0.018</b>	<b>.0488281</b>	<b>.4910142</b>
edu							
1		<b>-.149138</b>	<b>.1543084</b>	<b>-0.97</b>	<b>0.337</b>	<b>-.4574045</b>	<b>.1591285</b>
2		<b>.191305</b>	<b>.1113935</b>	<b>1.72</b>	<b>0.091</b>	<b>-.0312291</b>	<b>.413839</b>
1.Male		<b>.6969161</b>	<b>.1001125</b>	<b>6.96</b>	<b>0.000</b>	<b>.4969184</b>	<b>.8969139</b>
BMIcat							
2		<b>-2.107137</b>	<b>.7166611</b>	<b>-2.94</b>	<b>0.005</b>	<b>-3.538832</b>	<b>-.6754418</b>
3		<b>-2.999838</b>	<b>.7110905</b>	<b>-4.22</b>	<b>0.000</b>	<b>-4.420405</b>	<b>-1.579272</b>
4		<b>-3.315889</b>	<b>.7313496</b>	<b>-4.53</b>	<b>0.000</b>	<b>-4.776928</b>	<b>-1.854851</b>
5		<b>-3.952084</b>	<b>.7358056</b>	<b>-5.37</b>	<b>0.000</b>	<b>-5.422025</b>	<b>-2.482144</b>
6		<b>-4.087747</b>	<b>.7542486</b>	<b>-5.42</b>	<b>0.000</b>	<b>-5.594531</b>	<b>-2.580962</b>
_cons		<b>.8972079</b>	<b>.7229064</b>	<b>1.24</b>	<b>0.219</b>	<b>-.5469636</b>	<b>2.341379</b>

63 . mlogtest, wald

**Wald tests for independent variables (N=12708)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>21.812</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.fsWithHunger	<b>19.846</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.age4	<b>0.481</b>	<b>4</b>	<b>4</b>	<b>0.749</b>
3.age4	<b>1.563</b>	<b>4</b>	<b>4</b>	<b>0.196</b>
4.age4	<b>3.643</b>	<b>4</b>	<b>4</b>	<b>0.010</b>
1.edu	<b>8.725</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.edu	<b>43.824</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
1.Male	<b>84.333</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.BMICat	<b>9.750</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
3.BMICat	<b>19.312</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
4.BMICat	<b>22.928</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
5.BMICat	<b>27.451</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
6.BMICat	<b>25.744</b>	<b>4</b>	<b>4</b>	<b>0.000</b>

Survey: Multinomial logistic regression						
	Number of strata = 60 Number of PSUs = 124					
	Number of obs = 16,804 Population size = 230,745,902 Design df = 64 F( 8, 57) = 23.31 Prob > F = 0.0000					
<hr/>						
doingWt	Coef.	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
<b>doing_noth~g</b>						
fsWithHunger						
1	.3713473	.1351773	2.75	0.008	.1012995	.641395
2	.1500104	.0617581	2.43	0.018	.0266345	.2733863
_cons	-.1439057	.0374775	-3.84	0.000	-.2187757	-.0690358
<b>lost_weigh~l</b>						
fsWithHunger						
1	.4238741	.1154655	3.67	0.000	.1932052	.654543
2	.1297059	.0729509	1.78	0.080	-.0160302	.2754421
_cons	-.8694126	.0471687	-18.43	0.000	-.963643	-.7751822
<b>lost_weigh~d</b>						
fsWithHunger						
1	1.356559	.1483587	9.14	0.000	1.060178	1.65294
2	.9597464	.0924582	10.38	0.000	.77504	1.144453
_cons	-2.349971	.0637873	-36.84	0.000	-2.4774	-2.222541
<b>tried_to_1~_</b>	(base outcome)					
<b>tried_to_n~n</b>						
fsWithHunger						
1	-.152031	.1693819	-0.90	0.373	-.4904103	.1863483
2	-.2282173	.0901716	-2.53	0.014	-.4083557	-.0480788
_cons	-1.455467	.0507397	-28.68	0.000	-1.556831	-1.354103

67 . mlogtest, wald

Wald tests for independent variables (N=16804)

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	25.316	4	4	0.000
2.fsWithHunger	32.533	4	4	0.000

```
68 . listcoef
note: pweights are treated as aweights to compute standard deviations
```

```
mlogit (N=16804): Factor change in the odds of doingWt
```

Variable: 1.fsWithHunger (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.0525	-0.343	0.733	0.949	.
r1	-0.9852	-7.183	0.000	0.373	.
doing nothin vs tried to los	0.3713	2.747	0.008	1.450	.
doing nothin vs tried to not	0.5234	3.611	0.001	1.688	.
<b>lost weight</b>					
vs doing nothin	0.0525	0.343	0.733	1.054	.
<b>lost weight: vs lost weight</b>					
r1	-0.9327	-5.871	0.000	0.393	.
<b>lost weight</b>					
vs tried to los	0.4239	3.671	0.000	1.528	.
vs tried to not	0.5759	3.339	0.001	1.779	.
vs doing nothin	0.9852	7.183	0.000	2.678	.
<b>lost weight: vs lost weight</b>					
r1	0.9327	5.871	0.000	2.541	.
<b>lost weight</b>					
vs tried to los	1.3566	9.144	0.000	3.883	.
vs tried to not	1.5086	8.214	0.000	4.520	.
tried to los vs doing nothin	-0.3713	-2.747	0.008	0.690	.
<b>tried to los vs lost weight</b>					
r1	-0.4239	-3.671	0.000	0.655	.
r1	-1.3566	-9.144	0.000	0.258	.
tried to los vs tried to not	0.1520	0.898	0.373	1.164	.
tried to not vs doing nothin	-0.5234	-3.611	0.001	0.593	.
<b>tried to not vs lost weight</b>					
r1	-0.5759	-3.339	0.001	0.562	.
r1	-1.5086	-8.214	0.000	0.221	.
tried to not vs tried to los	-0.1520	-0.898	0.373	0.859	.

Variable: 2.fsWithHunger (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	0.0203	0.285	0.777	1.021	.
r1	-0.8097	-10.387	0.000	0.445	.
doing nothin vs tried to los	0.1500	2.429	0.018	1.162	.
doing nothin vs tried to not	0.3782	4.657	0.000	1.460	.
<b>lost weight</b>					
vs doing nothin	-0.0203	-0.285	0.777	0.980	.
<b>lost weight: vs lost weight</b>					
r1	-0.8300	-8.495	0.000	0.436	.
<b>lost weight</b>					
vs tried to los	0.1297	1.778	0.080	1.138	.
vs tried to not	0.3579	3.464	0.001	1.430	.
vs doing nothin	0.8097	10.387	0.000	2.247	.

<b>lost weight: vs lost weight</b>					
	r1	0.8300	8.495	0.000	2.293
<b>lost weight</b>					.
vs tried to los		0.9597	10.380	0.000	2.611
vs tried to not		1.1880	10.447	0.000	3.280
tried to los vs doing nothin		-0.1500	-2.429	0.018	0.861
<b>tried to los vs lost weight</b>					.
	r1	-0.1297	-1.778	0.080	0.878
	r1	-0.9597	-10.380	0.000	0.383
tried to los vs tried to not		0.2282	2.531	0.014	1.256
tried to not vs doing nothin		-0.3782	-4.657	0.000	0.685
<b>tried to not vs lost weight</b>					.
	r1	-0.3579	-3.464	0.001	0.699
	r1	-1.1880	-10.447	0.000	0.305
tried to not vs tried to los		-0.2282	-2.531	0.014	0.796

69 .  
end of do-file  
70 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"  
71 . listcoef, std help  
option std not allowed after mlogit  
72 .  
end of do-file  
73 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"  
74 . listcoef, help  
note: pweights are treated as aweights to compute standard deviations  
mlogit (N=16804): Factor change in the odds of doingWT

Variable: 1.fsWithHunger (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					.
	r1	-0.0525	-0.343	0.733	0.949
	r1	-0.9852	-7.183	0.000	0.373
doing nothin vs tried to los		0.3713	2.747	0.008	1.450
doing nothin vs tried to not		0.5234	3.611	0.001	1.688
<b>lost weight</b>					.
vs doing nothin		0.0525	0.343	0.733	1.054
<b>lost weight: vs lost weight</b>					.
	r1	-0.9327	-5.871	0.000	0.393
<b>lost weight</b>					.
vs tried to los		0.4239	3.671	0.000	1.528
vs tried to not		0.5759	3.339	0.001	1.779
vs doing nothin		0.9852	7.183	0.000	2.678
<b>lost weight: vs lost weight</b>					.
	r1	0.9327	5.871	0.000	2.541
<b>lost weight</b>					.
vs tried to los		1.3566	9.144	0.000	3.883
vs tried to not		1.5086	8.214	0.000	4.520
tried to los vs doing nothin		-0.3713	-2.747	0.008	0.690

<b>tried to los vs lost weight</b>		<b>r1</b>	<b>-0.4239</b>	<b>-3.671</b>	<b>0.000</b>	<b>0.655</b>	.
		<b>r1</b>	<b>-1.3566</b>	<b>-9.144</b>	<b>0.000</b>	<b>0.258</b>	.
tried to los vs tried to not			<b>0.1520</b>	<b>0.898</b>	<b>0.373</b>	<b>1.164</b>	.
tried to not vs doing nothin			<b>-0.5234</b>	<b>-3.611</b>	<b>0.001</b>	<b>0.593</b>	.
<b>tried to not vs lost weight</b>							
		<b>r1</b>	<b>-0.5759</b>	<b>-3.339</b>	<b>0.001</b>	<b>0.562</b>	.
		<b>r1</b>	<b>-1.5086</b>	<b>-8.214</b>	<b>0.000</b>	<b>0.221</b>	.
tried to not vs tried to los			<b>-0.1520</b>	<b>-0.898</b>	<b>0.373</b>	<b>0.859</b>	.

Variable: 2.fsWithHunger (sd=.)

	<b>b</b>	<b>t</b>	<b>P&gt; t </b>	<b>e^b</b>	<b>e^bStdX</b>
<b>doing nothin vs lost weight</b>					
	<b>r1</b>	<b>0.0203</b>	<b>0.285</b>	<b>0.777</b>	<b>1.021</b>
	<b>r1</b>	<b>-0.8097</b>	<b>-10.387</b>	<b>0.000</b>	<b>0.445</b>
doing nothin vs tried to los		<b>0.1500</b>	<b>2.429</b>	<b>0.018</b>	<b>1.162</b>
doing nothin vs tried to not		<b>0.3782</b>	<b>4.657</b>	<b>0.000</b>	<b>1.460</b>
<b>lost weight</b>					
vs doing nothin		<b>-0.0203</b>	<b>-0.285</b>	<b>0.777</b>	<b>0.980</b>
<b>lost weight: vs lost weight</b>					
	<b>r1</b>	<b>-0.8300</b>	<b>-8.495</b>	<b>0.000</b>	<b>0.436</b>
<b>lost weight</b>					
vs tried to los		<b>0.1297</b>	<b>1.778</b>	<b>0.080</b>	<b>1.138</b>
vs tried to not		<b>0.3579</b>	<b>3.464</b>	<b>0.001</b>	<b>1.430</b>
vs doing nothin		<b>0.8097</b>	<b>10.387</b>	<b>0.000</b>	<b>2.247</b>
<b>lost weight: vs lost weight</b>					
	<b>r1</b>	<b>0.8300</b>	<b>8.495</b>	<b>0.000</b>	<b>2.293</b>
<b>lost weight</b>					
vs tried to los		<b>0.9597</b>	<b>10.380</b>	<b>0.000</b>	<b>2.611</b>
vs tried to not		<b>1.1880</b>	<b>10.447</b>	<b>0.000</b>	<b>3.280</b>
tried to los vs doing nothin		<b>-0.1500</b>	<b>-2.429</b>	<b>0.018</b>	<b>0.861</b>
<b>tried to los vs lost weight</b>					
	<b>r1</b>	<b>-0.1297</b>	<b>-1.778</b>	<b>0.080</b>	<b>0.878</b>
	<b>r1</b>	<b>-0.9597</b>	<b>-10.380</b>	<b>0.000</b>	<b>0.383</b>
tried to los vs tried to not		<b>0.2282</b>	<b>2.531</b>	<b>0.014</b>	<b>1.256</b>
tried to not vs doing nothin		<b>-0.3782</b>	<b>-4.657</b>	<b>0.000</b>	<b>0.685</b>
<b>tried to not vs lost weight</b>					
	<b>r1</b>	<b>-0.3579</b>	<b>-3.464</b>	<b>0.001</b>	<b>0.699</b>
	<b>r1</b>	<b>-1.1880</b>	<b>-10.447</b>	<b>0.000</b>	<b>0.305</b>
tried to not vs tried to los		<b>-0.2282</b>	<b>-2.531</b>	<b>0.014</b>	<b>0.796</b>

b = raw coefficient

t = t-score for test of b=0

P&gt;|t| = p-value for t-test

e^b = exp(b) = factor change in odds for unit increase in X

e^bStdX = exp(b\*SD of X) = change in odds for SD increase in X

```

75 .
    end of do-file

76 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

77 . svy: mlogit doingWt i.fsWithHunger i.age4 i.edu i.Race
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>12,824</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>188,156,883</b>
			Design df	=	<b>64</b>
			F( <b>40, 25</b> )	=	<b>24.01</b>
			Prob > F	=	<b>0.0000</b>

doingWt	Linearized					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>doing_noth~g</b>						
fsWithHunger						
1	.1680802	.1417868	1.19	0.240	-.1151715	.451332
2	-.0404375	.0750536	-0.54	0.592	-.1903743	.1094993
age4						
2	-.0770415	.0913948	-0.84	0.402	-.2596237	.1055406
3	-.1008043	.0897498	-1.12	0.266	-.2801001	.0784915
4	-.1035786	.0976717	-1.06	0.293	-.2987002	.0915429
edu						
1	-.5191463	.0902393	-5.75	0.000	-.6994201	-.3388725
2	-.9995227	.0859672	-11.63	0.000	-1.171262	-.8277835
Race						
1	-.0056654	.091774	-0.06	0.951	-.189005	.1776742
2	-.1340592	.0997659	-1.34	0.184	-.3333645	.0652461
3	.2333426	.1006187	2.32	0.024	.0323336	.4343516
_cons	.695471	.1097818	6.34	0.000	.4761567	.9147854
<b>lost_weigh~l</b>						
fsWithHunger						
1	.3888445	.1378993	2.82	0.006	.113359	.66433
2	.1626468	.0977889	1.66	0.101	-.032709	.3580026
age4						
2	.0650023	.0853189	0.76	0.449	-.1054418	.2354464
3	-.0121835	.0920446	-0.13	0.895	-.1960638	.1716968
4	.0001002	.1211299	0.00	0.999	-.2418847	.242085
edu						
1	-.1381001	.1145991	-1.21	0.233	-.3670382	.090838
2	-.096392	.0892302	-1.08	0.284	-.2746499	.0818658
Race						
1	.106899	.0800522	1.34	0.186	-.0530236	.2668216
2	-.1175956	.0893205	-1.32	0.193	-.2960338	.0608425
3	-.5427954	.1361564	-3.99	0.000	-.8147992	-.2707916
_cons	-.7459452	.1326622	-5.62	0.000	-1.010968	-.4809221
<b>lost_weigh~d</b>						
fsWithHunger						
1	1.284814	.1812802	7.09	0.000	.9226653	1.646963
2	.8137625	.1330163	6.12	0.000	.5480319	1.079493
age4						
2	-.0860964	.132471	-0.65	0.518	-.3507377	.1785448
3	.0657458	.1657694	0.40	0.693	-.2654167	.3969083
4	.0119319	.1445871	0.08	0.934	-.276914	.3007778

edu						
1	-.3790902	.1249288	-3.03	0.003	-.6286642	-.1295162
2	-.9985319	.1245345	-8.02	0.000	-1.247318	-.7497456
Race						
1	.442858	.1278058	3.47	0.001	.1875366	.6981793
2	-.2827463	.1531268	-1.85	0.069	-.5886523	.0231597
3	-.0184023	.1985714	-0.09	0.926	-.4150942	.3782897
_cons	-1.730939	.1567005	-11.05	0.000	-2.043984	-1.417894
<u>tried_to_1~</u>	(base outcome)					
<u>tried_to_n~n</u>						
fsWithHunger						
1	.0073616	.1929079	0.04	0.970	-.3780163	.3927395
2	-.0625878	.0930925	-0.67	0.504	-.2485615	.1233859
age4						
2	-.1472573	.1292744	-1.14	0.259	-.4055126	.1109979
3	-.0895857	.1300701	-0.69	0.493	-.3494306	.1702592
4	-.0006261	.1150457	-0.01	0.996	-.2304563	.2292041
edu						
1	-.1689404	.1480806	-1.14	0.258	-.4647654	.1268846
2	.2641382	.1153393	2.29	0.025	.0337215	.4945549
Race						
1	-.3288618	.1163588	-2.83	0.006	-.5613152	-.0964084
2	-.2316711	.1355149	-1.71	0.092	-.5023932	.039051
3	-.2541193	.1758828	-1.44	0.153	-.6054856	.0972469
_cons	-1.503793	.1448659	-10.38	0.000	-1.793196	-1.21439

78 . mlogtest, wald

**Wald tests for independent variables (N=12824)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>16.318</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.fsWithHunger	<b>15.741</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.age4	0.835	4	4	0.508
3.age4	0.555	4	4	0.696
4.age4	0.393	4	4	0.813
1.edu	9.301	4	4	0.000
2.edu	<b>54.135</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
1.Race	<b>4.411</b>	<b>4</b>	<b>4</b>	<b>0.003</b>
2.Race	1.308	4	4	0.277
3.Race	9.189	4	4	0.000

79 . listcoef, help  
note: pweights are treated as aweights to compute standard deviations

mlogit (N=12824): Factor change in the odds of doingWT

Variable: 1.fsWithHunger (sd=.)

	b	t	P> t	e^b	e^bStdX
doing nothin vs lost weight					
r1	-0.2208	-1.473	0.146	0.802	.
r1	-1.1167	-7.517	0.000	0.327	.
doing nothin vs tried to los	0.1681	1.185	0.240	1.183	.
doing nothin vs tried to not	0.1607	0.908	0.367	1.174	.
lost weight					
vs doing nothin	0.2208	1.473	0.146	1.247	.

<b>lost weight: vs lost weight</b>					
	r1	-0.8960	-5.091	0.000	0.408
<b>lost weight</b>					
vs tried to los		0.3888	2.820	0.006	1.475
vs tried to not		0.3815	2.064	0.043	1.464
vs doing nothin		1.1167	7.517	0.000	3.055
<b>lost weight: vs lost weight</b>					
	r1	0.8960	5.091	0.000	2.450
<b>lost weight</b>					
vs tried to los		1.2848	7.087	0.000	3.614
vs tried to not		1.2775	6.020	0.000	3.587
tried to los vs doing nothin		-0.1681	-1.185	0.240	0.845
<b>tried to los vs lost weight</b>					
	r1	-0.3888	-2.820	0.006	0.678
	r1	-1.2848	-7.087	0.000	0.277
tried to los vs tried to not		-0.0074	-0.038	0.970	0.993
tried to not vs doing nothin		-0.1607	-0.908	0.367	0.852
<b>tried to not vs lost weight</b>					
	r1	-0.3815	-2.064	0.043	0.683
	r1	-1.2775	-6.020	0.000	0.279
tried to not vs tried to los		0.0074	0.038	0.970	1.007

Variable: 2.fsWithHunger (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
	r1	-0.2031	-2.061	0.043	0.816
	r1	-0.8542	-7.969	0.000	0.426
doing nothin vs tried to los		-0.0404	-0.539	0.592	0.960
doing nothin vs tried to not		0.0222	0.271	0.787	1.022
<b>lost weight</b>					
vs doing nothin		0.2031	2.061	0.043	1.225
<b>lost weight: vs lost weight</b>					
	r1	-0.6511	-4.781	0.000	0.521
<b>lost weight</b>					
vs tried to los		0.1626	1.663	0.101	1.177
vs tried to not		0.2252	1.868	0.066	1.253
vs doing nothin		0.8542	7.969	0.000	2.349
<b>lost weight: vs lost weight</b>					
	r1	0.6511	4.781	0.000	1.918
<b>lost weight</b>					
vs tried to los		0.8138	6.118	0.000	2.256
vs tried to not		0.8764	6.730	0.000	2.402
tried to los vs doing nothin		0.0404	0.539	0.592	1.041
<b>tried to los vs lost weight</b>					
	r1	-0.1626	-1.663	0.101	0.850
	r1	-0.8138	-6.118	0.000	0.443
tried to los vs tried to not		0.0626	0.672	0.504	1.065
tried to not vs doing nothin		-0.0222	-0.271	0.787	0.978
<b>tried to not vs lost weight</b>					
	r1	-0.2252	-1.868	0.066	0.798

r1	<b>-0.8764</b>	<b>-6.730</b>	<b>0.000</b>	<b>0.416</b>	.
tried to not vs tried to los	<b>-0.0626</b>	<b>-0.672</b>	<b>0.504</b>	<b>0.939</b>	.

**Variable: 2.age4 (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.1420	-1.320	0.192	0.868	.
r1	0.0091	0.056	0.956	1.009	.
doing nothin vs tried to los	<b>-0.0770</b>	<b>-0.843</b>	<b>0.402</b>	<b>0.926</b>	.
doing nothin vs tried to not	<b>0.0702</b>	<b>0.467</b>	<b>0.642</b>	<b>1.073</b>	.
<b>lost weight</b>					
vs doing nothin	<b>0.1420</b>	<b>1.320</b>	<b>0.192</b>	<b>1.153</b>	.
<b>lost weight: vs lost weight</b>					
r1	<b>0.1511</b>	<b>1.055</b>	<b>0.295</b>	<b>1.163</b>	.
<b>lost weight</b>					
vs tried to los	0.0650	0.762	0.449	1.067	.
vs tried to not	0.2123	1.388	0.170	1.236	.
vs doing nothin	-0.0091	-0.056	0.956	0.991	.
<b>lost weight: vs lost weight</b>					
r1	-0.1511	-1.055	0.295	0.860	.
<b>lost weight</b>					
vs tried to los	-0.0861	-0.650	0.518	0.918	.
vs tried to not	0.0612	0.343	0.733	1.063	.
tried to los vs doing nothin	<b>0.0770</b>	<b>0.843</b>	<b>0.402</b>	<b>1.080</b>	.
<b>tried to los vs lost weight</b>					
r1	-0.0650	-0.762	0.449	0.937	.
r1	0.0861	0.650	0.518	1.090	.
tried to los vs tried to not	<b>0.1473</b>	<b>1.139</b>	<b>0.259</b>	<b>1.159</b>	.
tried to not vs doing nothin	<b>-0.0702</b>	<b>-0.467</b>	<b>0.642</b>	<b>0.932</b>	.
<b>tried to not vs lost weight</b>					
r1	-0.2123	-1.388	0.170	0.809	.
r1	-0.0612	-0.343	0.733	0.941	.
tried to not vs tried to los	<b>-0.1473</b>	<b>-1.139</b>	<b>0.259</b>	<b>0.863</b>	.

**Variable: 3.age4 (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.0886	-0.892	0.376	0.915	.
r1	-0.1666	-1.004	0.319	0.847	.
doing nothin vs tried to los	<b>-0.1008</b>	<b>-1.123</b>	<b>0.266</b>	<b>0.904</b>	.
doing nothin vs tried to not	<b>-0.0112</b>	<b>-0.076</b>	<b>0.939</b>	<b>0.989</b>	.
<b>lost weight</b>					
vs doing nothin	<b>0.0886</b>	<b>0.892</b>	<b>0.376</b>	<b>1.093</b>	.
<b>lost weight: vs lost weight</b>					
r1	<b>-0.0779</b>	<b>-0.505</b>	<b>0.615</b>	<b>0.925</b>	.
<b>lost weight</b>					
vs tried to los	-0.0122	-0.132	0.895	0.988	.
vs tried to not	0.0774	0.570	0.571	1.080	.
vs doing nothin	0.1666	1.004	0.319	1.181	.

<b>lost weight: vs lost weight</b>					
	r1	0.0779	0.505	0.615	1.081
<b>lost weight</b>					.
vs tried to los		0.0657	0.397	0.693	1.068
vs tried to not		0.1553	0.835	0.407	1.168
tried to los vs doing nothin		0.1008	1.123	0.266	1.106
<b>tried to los vs lost weight</b>					
	r1	0.0122	0.132	0.895	1.012
	r1	-0.0657	-0.397	0.693	0.936
tried to los vs tried to not		0.0896	0.689	0.493	1.094
tried to not vs doing nothin		0.0112	0.076	0.939	1.011
<b>tried to not vs lost weight</b>					
	r1	-0.0774	-0.570	0.571	0.926
	r1	-0.1553	-0.835	0.407	0.856
tried to not vs tried to los		-0.0896	-0.689	0.493	0.914

**Variable: 4.age4 (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
	r1	-0.1037	-0.932	0.355	0.902
	r1	-0.1155	-0.712	0.479	0.891
doing nothin vs tried to los		-0.1036	-1.060	0.293	0.902
doing nothin vs tried to not		-0.1030	-0.796	0.429	0.902
<b>lost weight</b>					
vs doing nothin		0.1037	0.932	0.355	1.109
<b>lost weight: vs lost weight</b>					
	r1	-0.0118	-0.064	0.950	0.988
<b>lost weight</b>					
vs tried to los		0.0001	0.001	0.999	1.000
vs tried to not		0.0007	0.005	0.996	1.001
vs doing nothin		0.1155	0.712	0.479	1.122
<b>lost weight: vs lost weight</b>					
	r1	0.0118	0.064	0.950	1.012
<b>lost weight</b>					
vs tried to los		0.0119	0.083	0.934	1.012
vs tried to not		0.0126	0.066	0.947	1.013
tried to los vs doing nothin		0.1036	1.060	0.293	1.109
<b>tried to los vs lost weight</b>					
	r1	-0.0001	-0.001	0.999	1.000
	r1	-0.0119	-0.083	0.934	0.988
tried to los vs tried to not		0.0006	0.005	0.996	1.001
tried to not vs doing nothin		0.1030	0.796	0.429	1.108
<b>tried to not vs lost weight</b>					
	r1	-0.0007	-0.005	0.996	0.999
	r1	-0.0126	-0.066	0.947	0.988
tried to not vs tried to los		-0.0006	-0.005	0.996	0.999

## Variable: 1.edu (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.3810	-3.701	0.000	0.683	.
r1	-0.1401	-1.096	0.277	0.869	.
doing nothin vs tried to los	-0.5191	-5.753	0.000	0.595	.
doing nothin vs tried to not	-0.3502	-2.462	0.017	0.705	.
<b>lost weight</b>					
vs doing nothin	0.3810	3.701	0.000	1.464	.
<b>lost weight: vs lost weight</b>					
r1	0.2410	1.576	0.120	1.273	.
<b>lost weight</b>					
vs tried to los	-0.1381	-1.205	0.233	0.871	.
vs tried to not	0.0308	0.227	0.821	1.031	.
vs doing nothin	0.1401	1.096	0.277	1.150	.
<b>lost weight: vs lost weight</b>					
r1	-0.2410	-1.576	0.120	0.786	.
<b>lost weight</b>					
vs tried to los	-0.3791	-3.034	0.003	0.684	.
vs tried to not	-0.2101	-1.188	0.239	0.810	.
tried to los vs doing nothin	0.5191	5.753	0.000	1.681	.
<b>tried to los vs lost weight</b>					
r1	0.1381	1.205	0.233	1.148	.
r1	0.3791	3.034	0.003	1.461	.
tried to los vs tried to not	0.1689	1.141	0.258	1.184	.
tried to not vs doing nothin	0.3502	2.462	0.017	1.419	.
<b>tried to not vs lost weight</b>					
r1	-0.0308	-0.227	0.821	0.970	.
r1	0.2101	1.188	0.239	1.234	.
tried to not vs tried to los	-0.1689	-1.141	0.258	0.845	.

## Variable: 2.edu (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.9031	-8.289	0.000	0.405	.
r1	-0.0010	-0.008	0.994	0.999	.
doing nothin vs tried to los	-0.9995	-11.627	0.000	0.368	.
doing nothin vs tried to not	-1.2637	-11.365	0.000	0.283	.
<b>lost weight</b>					
vs doing nothin	0.9031	8.289	0.000	2.467	.
<b>lost weight: vs lost weight</b>					
r1	0.9021	5.903	0.000	2.465	.
<b>lost weight</b>					
vs tried to los	-0.0964	-1.080	0.284	0.908	.
vs tried to not	-0.3605	-2.669	0.010	0.697	.
vs doing nothin	0.0010	0.008	0.994	1.001	.
<b>lost weight: vs lost weight</b>					
r1	-0.9021	-5.903	0.000	0.406	.
<b>lost weight</b>					
vs tried to los	-0.9985	-8.018	0.000	0.368	.

vs tried to not	<b>-1.2627</b>	<b>-8.739</b>	<b>0.000</b>	<b>0.283</b>	.
tried to los vs doing nothin	<b>0.9995</b>	<b>11.627</b>	<b>0.000</b>	<b>2.717</b>	.
<b>tried to los vs lost weight</b>					
r1	<b>0.0964</b>	<b>1.080</b>	<b>0.284</b>	<b>1.101</b>	.
r1	<b>0.9985</b>	<b>8.018</b>	<b>0.000</b>	<b>2.714</b>	.
tried to los vs tried to not	<b>-0.2641</b>	<b>-2.290</b>	<b>0.025</b>	<b>0.768</b>	.
tried to not vs doing nothin	<b>1.2637</b>	<b>11.365</b>	<b>0.000</b>	<b>3.538</b>	.
<b>tried to not vs lost weight</b>					
r1	<b>0.3605</b>	<b>2.669</b>	<b>0.010</b>	<b>1.434</b>	.
r1	<b>1.2627</b>	<b>8.739</b>	<b>0.000</b>	<b>3.535</b>	.
tried to not vs tried to los	<b>0.2641</b>	<b>2.290</b>	<b>0.025</b>	<b>1.302</b>	.

**Variable: 1.Race (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	<b>-0.1126</b>	<b>-1.254</b>	<b>0.215</b>	<b>0.894</b>	.
r1	<b>-0.4485</b>	<b>-3.453</b>	<b>0.001</b>	<b>0.639</b>	.
doing nothin vs tried to los	<b>-0.0057</b>	<b>-0.062</b>	<b>0.951</b>	<b>0.994</b>	.
doing nothin vs tried to not	<b>0.3232</b>	<b>2.473</b>	<b>0.016</b>	<b>1.382</b>	.
<b>lost weight</b>					
vs doing nothin	<b>0.1126</b>	<b>1.254</b>	<b>0.215</b>	<b>1.119</b>	.
<b>lost weight: vs lost weight</b>					
r1	<b>-0.3360</b>	<b>-2.845</b>	<b>0.006</b>	<b>0.715</b>	.
<b>lost weight</b>					
vs tried to los	<b>0.1069</b>	<b>1.335</b>	<b>0.186</b>	<b>1.113</b>	.
vs tried to not	<b>0.4358</b>	<b>3.080</b>	<b>0.003</b>	<b>1.546</b>	.
vs doing nothin	<b>0.4485</b>	<b>3.453</b>	<b>0.001</b>	<b>1.566</b>	.
<b>lost weight: vs lost weight</b>					
r1	<b>0.3360</b>	<b>2.845</b>	<b>0.006</b>	<b>1.399</b>	.
<b>lost weight</b>					
vs tried to los	<b>0.4429</b>	<b>3.465</b>	<b>0.001</b>	<b>1.557</b>	.
vs tried to not	<b>0.7717</b>	<b>4.241</b>	<b>0.000</b>	<b>2.163</b>	.
tried to los vs doing nothin	<b>0.0057</b>	<b>0.062</b>	<b>0.951</b>	<b>1.006</b>	.
<b>tried to los vs lost weight</b>					
r1	<b>-0.1069</b>	<b>-1.335</b>	<b>0.186</b>	<b>0.899</b>	.
r1	<b>-0.4429</b>	<b>-3.465</b>	<b>0.001</b>	<b>0.642</b>	.
tried to los vs tried to not	<b>0.3289</b>	<b>2.826</b>	<b>0.006</b>	<b>1.389</b>	.
tried to not vs doing nothin	<b>-0.3232</b>	<b>-2.473</b>	<b>0.016</b>	<b>0.724</b>	.
<b>tried to not vs lost weight</b>					
r1	<b>-0.4358</b>	<b>-3.080</b>	<b>0.003</b>	<b>0.647</b>	.
r1	<b>-0.7717</b>	<b>-4.241</b>	<b>0.000</b>	<b>0.462</b>	.
tried to not vs tried to los	<b>-0.3289</b>	<b>-2.826</b>	<b>0.006</b>	<b>0.720</b>	.

**Variable: 2.Race (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.0165	-0.184	0.855	0.984	.
r1	0.1487	1.048	0.298	1.160	.
doing nothin vs tried to los	-0.1341	-1.344	0.184	0.875	.
doing nothin vs tried to not	0.0976	0.779	0.439	1.103	.
<b>lost weight</b>					
vs doing nothin	0.0165	0.184	0.855	1.017	.
<b>lost weight: vs lost weight</b>					
r1	0.1652	1.220	0.227	1.180	.
<b>lost weight</b>					
vs tried to los	-0.1176	-1.317	0.193	0.889	.
vs tried to not	0.1141	0.811	0.421	1.121	.
vs doing nothin	-0.1487	-1.048	0.298	0.862	.
<b>lost weight: vs lost weight</b>					
r1	-0.1652	-1.220	0.227	0.848	.
<b>lost weight</b>					
vs tried to los	-0.2827	-1.846	0.069	0.754	.
vs tried to not	-0.0511	-0.273	0.786	0.950	.
tried to los vs doing nothin	0.1341	1.344	0.184	1.143	.
<b>tried to los vs lost weight</b>					
r1	0.1176	1.317	0.193	1.125	.
r1	0.2827	1.846	0.069	1.327	.
tried to los vs tried to not	0.2317	1.710	0.092	1.261	.
tried to not vs doing nothin	-0.0976	-0.779	0.439	0.907	.
<b>tried to not vs lost weight</b>					
r1	-0.1141	-0.811	0.421	0.892	.
r1	0.0511	0.273	0.786	1.052	.
tried to not vs tried to los	-0.2317	-1.710	0.092	0.793	.

**Variable: 3.Race (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	0.7761	5.538	0.000	2.173	.
r1	0.2517	1.368	0.176	1.286	.
doing nothin vs tried to los	0.2333	2.319	0.024	1.263	.
doing nothin vs tried to not	0.4875	3.137	0.003	1.628	.
<b>lost weight</b>					
vs doing nothin	-0.7761	-5.538	0.000	0.460	.
<b>lost weight: vs lost weight</b>					
r1	-0.5244	-2.765	0.007	0.592	.
<b>lost weight</b>					
vs tried to los	-0.5428	-3.987	0.000	0.581	.
vs tried to not	-0.2887	-1.444	0.154	0.749	.
vs doing nothin	-0.2517	-1.368	0.176	0.777	.
<b>lost weight: vs lost weight</b>					
r1	0.5244	2.765	0.007	1.689	.
<b>lost weight</b>					
vs tried to los	-0.0184	-0.093	0.926	0.982	.

vs tried to not	<b>0.2357</b>	<b>1.061</b>	<b>0.292</b>	<b>1.266</b>	.
tried to los vs doing nothin	<b>-0.2333</b>	<b>-2.319</b>	<b>0.024</b>	<b>0.792</b>	.
<b>tried to los vs lost weight</b>					
r1	<b>0.5428</b>	<b>3.987</b>	<b>0.000</b>	<b>1.721</b>	.
r1	<b>0.0184</b>	<b>0.093</b>	<b>0.926</b>	<b>1.019</b>	.
tried to los vs tried to not	<b>0.2541</b>	<b>1.445</b>	<b>0.153</b>	<b>1.289</b>	.
tried to not vs doing nothin	<b>-0.4875</b>	<b>-3.137</b>	<b>0.003</b>	<b>0.614</b>	.
<b>tried to not vs lost weight</b>					
r1	<b>0.2887</b>	<b>1.444</b>	<b>0.154</b>	<b>1.335</b>	.
r1	<b>-0.2357</b>	<b>-1.061</b>	<b>0.292</b>	<b>0.790</b>	.
tried to not vs tried to los	<b>-0.2541</b>	<b>-1.445</b>	<b>0.153</b>	<b>0.776</b>	.

b = raw coefficient

t = t-score for test of b=0

P&gt;|t| = p-value for t-test

e^b = exp(b) = factor change in odds for unit increase in X

e^bStdX = exp(b\*SD of X) = change in odds for SD increase in X

80.  
end of do-file

81. do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

82. //adjust for confounders, male not race, except BMICat  
 83. svy: mlogit doingWt i.fsWithHunger i.age4 i.edu i.Male  
 (running mlogit on estimation sample)

## Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>12,824</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>188,156,883</b>
			Design df	=	<b>64</b>
			F( <b>32</b> , <b>33</b> )	=	<b>42.40</b>
			Prob > F	=	<b>0.0000</b>

doingWt	Linearized					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>doing_noth~g</b>						
fsWithHunger						
1	<b>.1868695</b>	<b>.1350545</b>	<b>1.38</b>	<b>0.171</b>	<b>-.0829329</b>	<b>.456672</b>
2	<b>-.0102313</b>	<b>.0750163</b>	<b>-0.14</b>	<b>0.892</b>	<b>-.1600936</b>	<b>.1396311</b>
age4						
2	<b>-.0801224</b>	<b>.093252</b>	<b>-0.86</b>	<b>0.393</b>	<b>-.2664147</b>	<b>.1061699</b>
3	<b>-.0837963</b>	<b>.0906085</b>	<b>-0.92</b>	<b>0.359</b>	<b>-.2648075</b>	<b>.0972149</b>
4	<b>-.0890286</b>	<b>.0985356</b>	<b>-0.90</b>	<b>0.370</b>	<b>-.2858761</b>	<b>.1078189</b>
edu						
1	<b>-.5189433</b>	<b>.0887794</b>	<b>-5.85</b>	<b>0.000</b>	<b>-.6963006</b>	<b>-.341586</b>
2	<b>-.923853</b>	<b>.0845603</b>	<b>-10.93</b>	<b>0.000</b>	<b>-1.092782</b>	<b>-.7549244</b>
1.Male	<b>.8528821</b>	<b>.0556848</b>	<b>15.32</b>	<b>0.000</b>	<b>.7416388</b>	<b>.9641253</b>
_cons	<b>.2209225</b>	<b>.0982426</b>	<b>2.25</b>	<b>0.028</b>	<b>.0246604</b>	<b>.4171846</b>
<b>lost_weigh~1</b>						
fsWithHunger						
1	<b>.4079911</b>	<b>.1374121</b>	<b>2.97</b>	<b>0.004</b>	<b>.1334789</b>	<b>.6825033</b>
2	<b>.1837213</b>	<b>.0965281</b>	<b>1.90</b>	<b>0.062</b>	<b>-.0091159</b>	<b>.3765584</b>
age4						
2	<b>.0705419</b>	<b>.0860754</b>	<b>0.82</b>	<b>0.416</b>	<b>-.1014134</b>	<b>.2424972</b>
3	<b>.0077076</b>	<b>.0923325</b>	<b>0.08</b>	<b>0.934</b>	<b>-.1767477</b>	<b>.192163</b>
4	<b>.0270267</b>	<b>.1193973</b>	<b>0.23</b>	<b>0.822</b>	<b>-.2114968</b>	<b>.2655502</b>
edu						

	1	<b>-.1195684</b>	<b>.1111624</b>	<b>-1.08</b>	<b>0.286</b>	<b>-.3416408</b>	<b>.102504</b>
	2	<b>-.0662492</b>	<b>.0872205</b>	<b>-0.76</b>	<b>0.450</b>	<b>-.2404923</b>	<b>.1079938</b>
	1.Male	<b>.3825217</b>	<b>.0525983</b>	<b>7.27</b>	<b>0.000</b>	<b>.2774444</b>	<b>.4875989</b>
	_cons	<b>-.9879661</b>	<b>.1134012</b>	<b>-8.71</b>	<b>0.000</b>	<b>-1.214511</b>	<b>-.7614212</b>
<b>lost_weigh~d</b>							
fsWithHunger							
	1	<b>1.33465</b>	<b>.176784</b>	<b>7.55</b>	<b>0.000</b>	<b>.9814834</b>	<b>1.687817</b>
	2	<b>.8558215</b>	<b>.1270277</b>	<b>6.74</b>	<b>0.000</b>	<b>.6020545</b>	<b>1.109588</b>
age4							
	2	<b>-.0840337</b>	<b>.1301422</b>	<b>-0.65</b>	<b>0.521</b>	<b>-.3440227</b>	<b>.1759552</b>
	3	<b>.0920282</b>	<b>.166464</b>	<b>0.55</b>	<b>0.582</b>	<b>-.2405219</b>	<b>.4245783</b>
	4	<b>.0537847</b>	<b>.1465207</b>	<b>0.37</b>	<b>0.715</b>	<b>-.238924</b>	<b>.3464933</b>
edu							
	1	<b>-.3266891</b>	<b>.1188366</b>	<b>-2.75</b>	<b>0.008</b>	<b>-.5640925</b>	<b>-.0892857</b>
	2	<b>-.9005571</b>	<b>.1176931</b>	<b>-7.65</b>	<b>0.000</b>	<b>-1.135676</b>	<b>-.665438</b>
1.Male		<b>.5829748</b>	<b>.0940503</b>	<b>6.20</b>	<b>0.000</b>	<b>.3950878</b>	<b>.7708619</b>
_cons		<b>-2.072167</b>	<b>.147319</b>	<b>-14.07</b>	<b>0.000</b>	<b>-2.366471</b>	<b>-1.777864</b>
<b>tried_to_1~_</b>		(base outcome)					
<b>tried_to_n~n</b>							
fsWithHunger							
	1	<b>-.0086734</b>	<b>.1957178</b>	<b>-0.04</b>	<b>0.965</b>	<b>-.3996646</b>	<b>.3823178</b>
	2	<b>-.0807941</b>	<b>.0914171</b>	<b>-0.88</b>	<b>0.380</b>	<b>-.2634207</b>	<b>.1018324</b>
age4							
	2	<b>-.1428298</b>	<b>.1295628</b>	<b>-1.10</b>	<b>0.274</b>	<b>-.4016612</b>	<b>.1160016</b>
	3	<b>-.0648117</b>	<b>.1291005</b>	<b>-0.50</b>	<b>0.617</b>	<b>-.3227196</b>	<b>.1930963</b>
	4	<b>.0329157</b>	<b>.1146847</b>	<b>0.29</b>	<b>0.775</b>	<b>-.1961933</b>	<b>.2620248</b>
edu							
	1	<b>-.1359777</b>	<b>.1532369</b>	<b>-0.89</b>	<b>0.378</b>	<b>-.4421036</b>	<b>.1701482</b>
	2	<b>.3426957</b>	<b>.1115821</b>	<b>3.07</b>	<b>0.003</b>	<b>.1197848</b>	<b>.5656067</b>
1.Male		<b>.5683394</b>	<b>.1051309</b>	<b>5.41</b>	<b>0.000</b>	<b>.3583162</b>	<b>.7783625</b>
_cons		<b>-1.914789</b>	<b>.1304934</b>	<b>-14.67</b>	<b>0.000</b>	<b>-2.175479</b>	<b>-1.654098</b>

84 . mlogtest, wald

**Wald tests for independent variables (N=12824)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>18.728</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.fsWithHunger	<b>18.430</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.age4	<b>0.862</b>	<b>4</b>	<b>4</b>	<b>0.492</b>
3.age4	<b>0.472</b>	<b>4</b>	<b>4</b>	<b>0.756</b>
4.age4	<b>0.488</b>	<b>4</b>	<b>4</b>	<b>0.745</b>
1.edu	<b>9.527</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.edu	<b>46.731</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
1.Male	<b>68.854</b>	<b>4</b>	<b>4</b>	<b>0.000</b>

```
85 . listcoef, help
note: pweights are treated as aweights to compute standard deviations
```

```
mlogit (N=12824): Factor change in the odds of doingWt
```

Variable: 1.fsWithHunger (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.2211	-1.521	0.133	0.802	.
r1	-1.1478	-8.073	0.000	0.317	.
doing nothin vs tried to los	0.1869	1.384	0.171	1.205	.
doing nothin vs tried to not	0.1955	1.139	0.259	1.216	.
<b>lost weight</b>					
vs doing nothin	0.2211	1.521	0.133	1.247	.
<b>lost weight: vs lost weight</b>					
r1	-0.9267	-5.429	0.000	0.396	.
<b>lost weight</b>					
vs tried to los	0.4080	2.969	0.004	1.504	.
vs tried to not	0.4167	2.229	0.029	1.517	.
vs doing nothin	1.1478	8.073	0.000	3.151	.
<b>lost weight: vs lost weight</b>					
r1	0.9267	5.429	0.000	2.526	.
<b>lost weight</b>					
vs tried to los	1.3346	7.550	0.000	3.799	.
vs tried to not	1.3433	6.524	0.000	3.832	.
tried to los vs doing nothin	-0.1869	-1.384	0.171	0.830	.
<b>tried to los vs lost weight</b>					
r1	-0.4080	-2.969	0.004	0.665	.
r1	-1.3346	-7.550	0.000	0.263	.
tried to los vs tried to not	0.0087	0.044	0.965	1.009	.
tried to not vs doing nothin	-0.1955	-1.139	0.259	0.822	.
<b>tried to not vs lost weight</b>					
r1	-0.4167	-2.229	0.029	0.659	.
r1	-1.3433	-6.524	0.000	0.261	.
tried to not vs tried to los	-0.0087	-0.044	0.965	0.991	.

Variable: 2.fsWithHunger (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.1940	-1.958	0.055	0.824	.
r1	-0.8661	-8.590	0.000	0.421	.
doing nothin vs tried to los	-0.0102	-0.136	0.892	0.990	.
doing nothin vs tried to not	0.0706	0.917	0.363	1.073	.
<b>lost weight</b>					
vs doing nothin	0.1940	1.958	0.055	1.214	.
<b>lost weight: vs lost weight</b>					
r1	-0.6721	-5.173	0.000	0.511	.
<b>lost weight</b>					
vs tried to los	0.1837	1.903	0.062	1.202	.
vs tried to not	0.2645	2.220	0.030	1.303	.
vs doing nothin	0.8661	8.590	0.000	2.378	.

<b>lost weight: vs lost weight</b>					
	r1	0.6721	5.173	0.000	1.958
<b>lost weight</b>					.
vs tried to los		0.8558	6.737	0.000	2.353
vs tried to not		0.9366	7.695	0.000	2.551
tried to los vs doing nothin		0.0102	0.136	0.892	1.010
<b>tried to los vs lost weight</b>					
	r1	-0.1837	-1.903	0.062	0.832
	r1	-0.8558	-6.737	0.000	0.425
tried to los vs tried to not		0.0808	0.884	0.380	1.084
tried to not vs doing nothin		-0.0706	-0.917	0.363	0.932
<b>tried to not vs lost weight</b>					
	r1	-0.2645	-2.220	0.030	0.768
	r1	-0.9366	-7.695	0.000	0.392
tried to not vs tried to los		-0.0808	-0.884	0.380	0.922

**Variable: 2.age4 (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
	r1	-0.1507	-1.392	0.169	0.860
	r1	0.0039	0.024	0.981	1.004
doing nothin vs tried to los		-0.0801	-0.859	0.393	0.923
doing nothin vs tried to not		0.0627	0.417	0.678	1.065
<b>lost weight</b>					
vs doing nothin		0.1507	1.392	0.169	1.163
<b>lost weight: vs lost weight</b>					
	r1	0.1546	1.084	0.282	1.167
<b>lost weight</b>					
vs tried to los		0.0705	0.820	0.416	1.073
vs tried to not		0.2134	1.395	0.168	1.238
vs doing nothin		-0.0039	-0.024	0.981	0.996
<b>lost weight: vs lost weight</b>					
	r1	-0.1546	-1.084	0.282	0.857
<b>lost weight</b>					
vs tried to los		-0.0840	-0.646	0.521	0.919
vs tried to not		0.0588	0.333	0.740	1.061
tried to los vs doing nothin		0.0801	0.859	0.393	1.083
<b>tried to los vs lost weight</b>					
	r1	-0.0705	-0.820	0.416	0.932
	r1	0.0840	0.646	0.521	1.088
tried to los vs tried to not		0.1428	1.102	0.274	1.154
tried to not vs doing nothin		-0.0627	-0.417	0.678	0.939
<b>tried to not vs lost weight</b>					
	r1	-0.2134	-1.395	0.168	0.808
	r1	-0.0588	-0.333	0.740	0.943
tried to not vs tried to los		-0.1428	-1.102	0.274	0.867

## Variable: 3.age4 (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.0915	-0.942	0.350	0.913	.
r1	-0.1758	-1.049	0.298	0.839	.
doing nothin vs tried to los	-0.0838	-0.925	0.359	0.920	.
doing nothin vs tried to not	-0.0190	-0.129	0.898	0.981	.
<b>lost weight</b>					
vs doing nothin	0.0915	0.942	0.350	1.096	.
<b>lost weight: vs lost weight</b>					
r1	-0.0843	-0.546	0.587	0.919	.
<b>lost weight</b>					
vs tried to los	0.0077	0.083	0.934	1.008	.
vs tried to not	0.0725	0.530	0.598	1.075	.
vs doing nothin	0.1758	1.049	0.298	1.192	.
<b>lost weight: vs lost weight</b>					
r1	0.0843	0.546	0.587	1.088	.
<b>lost weight</b>					
vs tried to los	0.0920	0.553	0.582	1.096	.
vs tried to not	0.1568	0.834	0.407	1.170	.
tried to los vs doing nothin	0.0838	0.925	0.359	1.087	.
<b>tried to los vs lost weight</b>					
r1	-0.0077	-0.083	0.934	0.992	.
r1	-0.0920	-0.553	0.582	0.912	.
tried to los vs tried to not	0.0648	0.502	0.617	1.067	.
tried to not vs doing nothin	0.0190	0.129	0.898	1.019	.
<b>tried to not vs lost weight</b>					
r1	-0.0725	-0.530	0.598	0.930	.
r1	-0.1568	-0.834	0.407	0.855	.
tried to not vs tried to los	-0.0648	-0.502	0.617	0.937	.

## Variable: 4.age4 (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.1161	-1.078	0.285	0.890	.
r1	-0.1428	-0.850	0.399	0.867	.
doing nothin vs tried to los	-0.0890	-0.904	0.370	0.915	.
doing nothin vs tried to not	-0.1219	-0.951	0.345	0.885	.
<b>lost weight</b>					
vs doing nothin	0.1161	1.078	0.285	1.123	.
<b>lost weight: vs lost weight</b>					
r1	-0.0268	-0.143	0.887	0.974	.
<b>lost weight</b>					
vs tried to los	0.0270	0.226	0.822	1.027	.
vs tried to not	-0.0059	-0.040	0.968	0.994	.
vs doing nothin	0.1428	0.850	0.399	1.154	.
<b>lost weight: vs lost weight</b>					
r1	0.0268	0.143	0.887	1.027	.
<b>lost weight</b>					
vs tried to los	0.0538	0.367	0.715	1.055	.

vs tried to not	<b>0.0209</b>	<b>0.109</b>	<b>0.914</b>	<b>1.021</b>	.
tried to los vs doing nothin	<b>0.0890</b>	<b>0.904</b>	<b>0.370</b>	<b>1.093</b>	.
<b>tried to los vs lost weight</b>					
r1	-0.0270	-0.226	0.822	0.973	.
r1	-0.0538	-0.367	0.715	0.948	.
tried to los vs tried to not	<b>-0.0329</b>	<b>-0.287</b>	<b>0.775</b>	<b>0.968</b>	.
tried to not vs doing nothin	<b>0.1219</b>	<b>0.951</b>	<b>0.345</b>	<b>1.130</b>	.
<b>tried to not vs lost weight</b>					
r1	0.0059	0.040	0.968	1.006	.
r1	-0.0209	-0.109	0.914	0.979	.
tried to not vs tried to los	<b>0.0329</b>	<b>0.287</b>	<b>0.775</b>	<b>1.033</b>	.

**Variable: 1.edu (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.3994	-3.959	0.000	0.671	.
r1	-0.1923	-1.595	0.116	0.825	.
doing nothin vs tried to los	<b>-0.5189</b>	<b>-5.845</b>	<b>0.000</b>	<b>0.595</b>	.
doing nothin vs tried to not	<b>-0.3830</b>	<b>-2.627</b>	<b>0.011</b>	<b>0.682</b>	.
<b>lost weight</b>					
vs doing nothin	<b>0.3994</b>	<b>3.959</b>	<b>0.000</b>	<b>1.491</b>	.
<b>lost weight: vs lost weight</b>					
r1	<b>0.2071</b>	<b>1.396</b>	<b>0.167</b>	<b>1.230</b>	.
<b>lost weight</b>					
vs tried to los	-0.1196	-1.076	0.286	0.887	.
vs tried to not	0.0164	0.119	0.906	1.017	.
vs doing nothin	0.1923	1.595	0.116	1.212	.
<b>lost weight: vs lost weight</b>					
r1	-0.2071	-1.396	0.167	0.813	.
<b>lost weight</b>					
vs tried to los	-0.3267	-2.749	0.008	0.721	.
vs tried to not	-0.1907	-1.089	0.280	0.826	.
tried to los vs doing nothin	<b>0.5189</b>	<b>5.845</b>	<b>0.000</b>	<b>1.680</b>	.
<b>tried to los vs lost weight</b>					
r1	0.1196	1.076	0.286	1.127	.
r1	0.3267	2.749	0.008	1.386	.
tried to los vs tried to not	<b>0.1360</b>	<b>0.887</b>	<b>0.378</b>	<b>1.146</b>	.
tried to not vs doing nothin	<b>0.3830</b>	<b>2.627</b>	<b>0.011</b>	<b>1.467</b>	.
<b>tried to not vs lost weight</b>					
r1	-0.0164	-0.119	0.906	0.984	.
r1	0.1907	1.089	0.280	1.210	.
tried to not vs tried to los	<b>-0.1360</b>	<b>-0.887</b>	<b>0.378</b>	<b>0.873</b>	.

**Variable: 2.edu (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.8576	-8.227	0.000	0.424	.
r1	-0.0233	-0.199	0.843	0.977	.
doing nothin vs tried to los	-0.9239	-10.925	0.000	0.397	.
doing nothin vs tried to not	-1.2665	-11.014	0.000	0.282	.
<b>lost weight</b>					
vs doing nothin	0.8576	8.227	0.000	2.358	.
<b>lost weight: vs lost weight</b>					
r1	0.8343	5.518	0.000	2.303	.
<b>lost weight</b>					
vs tried to los	-0.0662	-0.760	0.450	0.936	.
vs tried to not	-0.4089	-3.049	0.003	0.664	.
vs doing nothin	0.0233	0.199	0.843	1.024	.
<b>lost weight: vs lost weight</b>					
r1	-0.8343	-5.518	0.000	0.434	.
<b>lost weight</b>					
vs tried to los	-0.9006	-7.652	0.000	0.406	.
vs tried to not	-1.2433	-8.741	0.000	0.288	.
tried to los vs doing nothin	0.9239	10.925	0.000	2.519	.
<b>tried to los vs lost weight</b>					
r1	0.0662	0.760	0.450	1.068	.
r1	0.9006	7.652	0.000	2.461	.
tried to los vs tried to not	-0.3427	-3.071	0.003	0.710	.
tried to not vs doing nothin	1.2665	11.014	0.000	3.549	.
<b>tried to not vs lost weight</b>					
r1	0.4089	3.049	0.003	1.505	.
r1	1.2433	8.741	0.000	3.467	.
tried to not vs tried to los	0.3427	3.071	0.003	1.409	.

**Variable: 1.Male (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	0.4704	8.862	0.000	1.601	.
r1	0.2699	2.516	0.014	1.310	.
doing nothin vs tried to los	0.8529	15.316	0.000	2.346	.
doing nothin vs tried to not	0.2845	3.404	0.001	1.329	.
<b>lost weight</b>					
vs doing nothin	-0.4704	-8.862	0.000	0.625	.
<b>lost weight: vs lost weight</b>					
r1	-0.2005	-2.169	0.034	0.818	.
<b>lost weight</b>					
vs tried to los	0.3825	7.273	0.000	1.466	.
vs tried to not	-0.1858	-1.808	0.075	0.830	.
vs doing nothin	-0.2699	-2.516	0.014	0.763	.
<b>lost weight: vs lost weight</b>					
r1	0.2005	2.169	0.034	1.222	.
<b>lost weight</b>					
vs tried to los	0.5830	6.199	0.000	1.791	.

vs tried to not	<b>0.0146</b>	<b>0.098</b>	<b>0.923</b>	<b>1.015</b>	.
tried to los vs doing nothin	<b>-0.8529</b>	<b>-15.316</b>	<b>0.000</b>	<b>0.426</b>	.
<b>tried to los vs lost weight</b>					
r1	<b>-0.3825</b>	<b>-7.273</b>	<b>0.000</b>	<b>0.682</b>	.
r1	<b>-0.5830</b>	<b>-6.199</b>	<b>0.000</b>	<b>0.558</b>	.
tried to los vs tried to not	<b>-0.5683</b>	<b>-5.406</b>	<b>0.000</b>	<b>0.566</b>	.
tried to not vs doing nothin	<b>-0.2845</b>	<b>-3.404</b>	<b>0.001</b>	<b>0.752</b>	.
<b>tried to not vs lost weight</b>					
r1	<b>0.1858</b>	<b>1.808</b>	<b>0.075</b>	<b>1.204</b>	.
r1	<b>-0.0146</b>	<b>-0.098</b>	<b>0.923</b>	<b>0.985</b>	.
tried to not vs tried to los	<b>0.5683</b>	<b>5.406</b>	<b>0.000</b>	<b>1.765</b>	.

b = raw coefficient

t = t-score for test of b=0

P&gt;|t| = p-value for t-test

e^b = exp(b) = factor change in odds for unit increase in X

e^bStdX = exp(b\*SD of X) = change in odds for SD increase in X

86.  
end of do-file

87. do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

88. //model including interaction with Race

89. svy: mlogit doingWt i.fsWithHunger##i.Race i.age4 i.edu i.Male i.BMICat  
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>12,708</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>186,710,447</b>
			Design df	=	<b>64</b>
			F( <u>64</u> , 1)	=	.
			Prob > F	=	.

doingWt	Linearized					[95% Conf. Interval]
	Coef.	Std. Err.	t	P> t		
<b>doing_noth~g</b>						
fsWithHunger						
1	<b>.3006771</b>	<b>.2097611</b>	<b>1.43</b>	<b>0.157</b>	<b>-.1183688</b>	<b>.719723</b>
2	<b>.2379705</b>	<b>.1169435</b>	<b>2.03</b>	<b>0.046</b>	<b>.0043491</b>	<b>.471592</b>
Race						
1	<b>.3408263</b>	<b>.1125588</b>	<b>3.03</b>	<b>0.004</b>	<b>.1159644</b>	<b>.5656883</b>
2	<b>.0716664</b>	<b>.1239595</b>	<b>0.58</b>	<b>0.565</b>	<b>-.1759711</b>	<b>.319304</b>
3	<b>.0237736</b>	<b>.1218727</b>	<b>0.20</b>	<b>0.846</b>	<b>-.2196952</b>	<b>.2672424</b>
fsWithHunger#						
Race						
1 1	<b>-.0330543</b>	<b>.2709114</b>	<b>-0.12</b>	<b>0.903</b>	<b>-.574262</b>	<b>.5081534</b>
1 2	<b>-.1543496</b>	<b>.2662182</b>	<b>-0.58</b>	<b>0.564</b>	<b>-.6861816</b>	<b>.3774824</b>
1 3	<b>.7860122</b>	<b>.5871605</b>	<b>1.34</b>	<b>0.185</b>	<b>-.3869757</b>	<b>1.959</b>
2 1	<b>-.2083556</b>	<b>.1691988</b>	<b>-1.23</b>	<b>0.223</b>	<b>-.5463692</b>	<b>.1296579</b>
2 2	<b>-.1955958</b>	<b>.1472738</b>	<b>-1.33</b>	<b>0.189</b>	<b>-.4898091</b>	<b>.0986175</b>
2 3	<b>-.2920792</b>	<b>.2591385</b>	<b>-1.13</b>	<b>0.264</b>	<b>-.8097677</b>	<b>.2256094</b>
age4						
2	<b>.1254302</b>	<b>.09626</b>	<b>1.30</b>	<b>0.197</b>	<b>-.0668713</b>	<b>.3177316</b>
3	<b>.1566917</b>	<b>.0973536</b>	<b>1.61</b>	<b>0.112</b>	<b>-.0377946</b>	<b>.3511779</b>
4	<b>.2208689</b>	<b>.1086748</b>	<b>2.03</b>	<b>0.046</b>	<b>.0037661</b>	<b>.4379718</b>
edu						
1	<b>-.5418501</b>	<b>.0952071</b>	<b>-5.69</b>	<b>0.000</b>	<b>-.7320481</b>	<b>-.3516522</b>
2	<b>-1.090089</b>	<b>.1021825</b>	<b>-10.67</b>	<b>0.000</b>	<b>-.1.294222</b>	<b>-.8859561</b>

1.Male	<b>1.046933</b>	<b>.0632737</b>	<b>16.55</b>	<b>0.000</b>	<b>.9205291</b>	<b>1.173336</b>
BMIcat						
2	<b>-3.081089</b>	<b>.6100093</b>	<b>-5.05</b>	<b>0.000</b>	<b>-4.299722</b>	<b>-1.862455</b>
3	<b>-4.209863</b>	<b>.5930313</b>	<b>-7.10</b>	<b>0.000</b>	<b>-5.394579</b>	<b>-3.025146</b>
4	<b>-4.67722</b>	<b>.6095853</b>	<b>-7.67</b>	<b>0.000</b>	<b>-5.895007</b>	<b>-3.459434</b>
5	<b>-5.048419</b>	<b>.5811756</b>	<b>-8.69</b>	<b>0.000</b>	<b>-6.209451</b>	<b>-3.887387</b>
6	<b>-5.382995</b>	<b>.6259242</b>	<b>-8.60</b>	<b>0.000</b>	<b>-6.633422</b>	<b>-4.132568</b>
_cons	<b>4.027446</b>	<b>.6078266</b>	<b>6.63</b>	<b>0.000</b>	<b>2.813172</b>	<b>5.241719</b>
<b>lost_weigh~1</b>						
fsWithHunger						
1	<b>.3050408</b>	<b>.2346281</b>	<b>1.30</b>	<b>0.198</b>	<b>-.1636827</b>	<b>.7737644</b>
2	<b>.2396863</b>	<b>.1565273</b>	<b>1.53</b>	<b>0.131</b>	<b>-.0730129</b>	<b>.5523856</b>
Race						
1	<b>.1326588</b>	<b>.0975852</b>	<b>1.36</b>	<b>0.179</b>	<b>-.0622901</b>	<b>.3276077</b>
2	<b>-.1084909</b>	<b>.1216613</b>	<b>-0.89</b>	<b>0.376</b>	<b>-.3515373</b>	<b>.1345555</b>
3	<b>-.602727</b>	<b>.1721648</b>	<b>-3.50</b>	<b>0.001</b>	<b>-.9466658</b>	<b>-.2587882</b>
fsWithHunger#						
Race						
1 1	<b>.1859027</b>	<b>.3217066</b>	<b>0.58</b>	<b>0.565</b>	<b>-.4567801</b>	<b>.8285856</b>
1 2	<b>.0990396</b>	<b>.3463158</b>	<b>0.29</b>	<b>0.776</b>	<b>-.5928056</b>	<b>.7908849</b>
1 3	<b>1.082502</b>	<b>.5624819</b>	<b>1.92</b>	<b>0.059</b>	<b>-.0411852</b>	<b>2.206188</b>
2 1	<b>-.0176388</b>	<b>.1889096</b>	<b>-0.09</b>	<b>0.926</b>	<b>-.3950292</b>	<b>.3597515</b>
2 2	<b>-.1095421</b>	<b>.2127386</b>	<b>-0.51</b>	<b>0.608</b>	<b>-.5345363</b>	<b>.3154521</b>
2 3	<b>.0209975</b>	<b>.2905212</b>	<b>0.07</b>	<b>0.943</b>	<b>-.5593852</b>	<b>.6013803</b>
age4						
2	<b>.0522158</b>	<b>.0892046</b>	<b>0.59</b>	<b>0.560</b>	<b>-.125991</b>	<b>.2304225</b>
3	<b>-.0258665</b>	<b>.098011</b>	<b>-0.26</b>	<b>0.793</b>	<b>-.221666</b>	<b>.1699331</b>
4	<b>-.0105868</b>	<b>.1269861</b>	<b>-0.08</b>	<b>0.934</b>	<b>-.2642707</b>	<b>.2430971</b>
edu						
1	<b>-.165184</b>	<b>.1169991</b>	<b>-1.41</b>	<b>0.163</b>	<b>-.3989165</b>	<b>.0685486</b>
2	<b>-.1104019</b>	<b>.0917818</b>	<b>-1.20</b>	<b>0.233</b>	<b>-.2937572</b>	<b>.0729533</b>
1.Male	<b>.3652306</b>	<b>.0535851</b>	<b>6.82</b>	<b>0.000</b>	<b>.2581821</b>	<b>.4722791</b>
BMIcat						
2	<b>-.4662331</b>	<b>1.069508</b>	<b>-0.44</b>	<b>0.664</b>	<b>-2.602821</b>	<b>1.670354</b>
3	<b>-.298109</b>	<b>1.075401</b>	<b>-0.28</b>	<b>0.783</b>	<b>-2.44647</b>	<b>1.850252</b>
4	<b>-.3243019</b>	<b>1.073191</b>	<b>-0.30</b>	<b>0.763</b>	<b>-2.468247</b>	<b>1.819643</b>
5	<b>-.4371151</b>	<b>1.045306</b>	<b>-0.42</b>	<b>0.677</b>	<b>-2.525354</b>	<b>1.651124</b>
6	<b>-.5137272</b>	<b>1.070968</b>	<b>-0.48</b>	<b>0.633</b>	<b>-2.653232</b>	<b>1.625777</b>
_cons	<b>-.5130639</b>	<b>1.060416</b>	<b>-0.48</b>	<b>0.630</b>	<b>-2.631488</b>	<b>1.60536</b>
<b>lost_weigh~d</b>						
fsWithHunger						
1	<b>1.817412</b>	<b>.2278144</b>	<b>7.98</b>	<b>0.000</b>	<b>1.3623</b>	<b>2.272523</b>
2	<b>1.41905</b>	<b>.1645447</b>	<b>8.62</b>	<b>0.000</b>	<b>1.090335</b>	<b>1.747766</b>
Race						
1	<b>1.167086</b>	<b>.1543483</b>	<b>7.56</b>	<b>0.000</b>	<b>.8587402</b>	<b>1.475433</b>
2	<b>.3876831</b>	<b>.1878955</b>	<b>2.06</b>	<b>0.043</b>	<b>.0123187</b>	<b>.7630476</b>
3	<b>.0536491</b>	<b>.2315394</b>	<b>0.23</b>	<b>0.818</b>	<b>-.408904</b>	<b>.5162023</b>
fsWithHunger#						
Race						
1 1	<b>-1.041942</b>	<b>.354015</b>	<b>-2.94</b>	<b>0.005</b>	<b>-1.749168</b>	<b>-.3347156</b>
1 2	<b>-.9813723</b>	<b>.3392878</b>	<b>-2.89</b>	<b>0.005</b>	<b>-1.659178</b>	<b>-.3035671</b>
1 3	<b>-.087043</b>	<b>.6908951</b>	<b>-0.13</b>	<b>0.900</b>	<b>-1.467265</b>	<b>1.293179</b>
2 1	<b>-.8500722</b>	<b>.2442658</b>	<b>-3.48</b>	<b>0.001</b>	<b>-1.338049</b>	<b>-.3620951</b>
2 2	<b>-1.052497</b>	<b>.228253</b>	<b>-4.61</b>	<b>0.000</b>	<b>-1.508484</b>	<b>-.596509</b>
2 3	<b>-.8589208</b>	<b>.376125</b>	<b>-2.28</b>	<b>0.026</b>	<b>-1.610317</b>	<b>-.1075247</b>
age4						
2	<b>.0903566</b>	<b>.1489253</b>	<b>0.61</b>	<b>0.546</b>	<b>-.2071558</b>	<b>.3878691</b>
3	<b>.2829737</b>	<b>.168212</b>	<b>1.68</b>	<b>0.097</b>	<b>-.0530683</b>	<b>.6190158</b>

	4	.3306425	.1532086	2.16	0.035	.0245731	.6367119
edu							
1	1	-.4447435	.1345744	-3.30	0.002	-.7135868	-.1759001
2	2	-1.09835	.1323952	-8.30	0.000	-1.36284	-.8338597
1.Male		.7195268	.0924153	7.79	0.000	.534906	.9041477
BMIcat							
2	2	-2.965403	.6838232	-4.34	0.000	-4.331497	-1.599309
3	3	-4.055304	.6776521	-5.98	0.000	-5.40907	-2.701539
4	4	-4.564356	.7120652	-6.41	0.000	-5.98687	-3.141842
5	5	-4.813765	.6866148	-7.01	0.000	-6.185436	-3.442094
6	6	-5.472073	.6821242	-8.02	0.000	-6.834773	-4.109374
_cons		1.541674	.6442256	2.39	0.020	.2546858	2.828663
<u>tried_to_1~_</u>		(base outcome)					
<u>tried_to_n~n</u>							
fsWithHunger							
1	1	-.0034332	.3065167	-0.01	0.991	-.6157706	.6089042
2	2	.0929732	.1547399	0.60	0.550	-.2161553	.4021018
Race							
1	1	-.2665403	.1686314	-1.58	0.119	-.6034202	.0703396
2	2	-.0286729	.1364448	-0.21	0.834	-.3012526	.2439068
3	3	-.4900681	.1971483	-2.49	0.016	-.8839171	-.096219
fsWithHunger#							
Race							
1 1	1 1	.7043513	.4657377	1.51	0.135	-.2260668	1.634769
1 2	1 2	.0612856	.4656919	0.13	0.896	-.869041	.9916122
1 3	1 3	1.009781	.7139386	1.41	0.162	-.4164751	2.436037
2 1	2 1	.5119534	.2694999	1.90	0.062	-.0264346	1.050341
2 2	2 2	-.3211637	.2378089	-1.35	0.182	-.7962416	.1539142
2 3	2 3	.1249605	.3569466	0.35	0.727	-.5881222	.8380433
age4							
2	2	.0005618	.122577	0.00	0.996	-.244314	.2454375
3	3	.0886199	.1208594	0.73	0.466	-.1528244	.3300643
4	4	.2426788	.1107187	2.19	0.032	.0214928	.4638649
edu							
1	1	-.1948394	.1523717	-1.28	0.206	-.4992369	.1095582
2	2	.1520659	.119295	1.27	0.207	-.0862533	.3903851
1.Male		.7049071	.1005433	7.01	0.000	.5040486	.9057655
BMIcat							
2	2	-2.10299	.7183306	-2.93	0.005	-3.538021	-.6679597
3	3	-3.00856	.7100512	-4.24	0.000	-4.42705	-1.59007
4	4	-3.327803	.7302502	-4.56	0.000	-4.786645	-1.86896
5	5	-3.974604	.736096	-5.40	0.000	-5.445125	-2.504083
6	6	-4.115382	.7552067	-5.45	0.000	-5.624081	-2.606683
_cons		1.00959	.7338864	1.38	0.174	-.4565162	2.475697

90 . mlogtest, wald

Wald tests for independent variables (N=12708)

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>21.526</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.fsWithHunger	<b>21.415</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
1.Race	<b>14.707</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.Race	<b>2.535</b>	<b>4</b>	<b>4</b>	<b>0.049</b>
3.Race	<b>5.757</b>	<b>4</b>	<b>4</b>	<b>0.001</b>
1.fsWithHunger#				
1.Race	<b>3.813</b>	<b>4</b>	<b>4</b>	<b>0.008</b>
1.fsWithHunger#				
2.Race	<b>3.064</b>	<b>4</b>	<b>4</b>	<b>0.023</b>
1.fsWithHunger#				
3.Race	<b>2.065</b>	<b>4</b>	<b>4</b>	<b>0.096</b>
2.fsWithHunger#				
1.Race	<b>4.784</b>	<b>4</b>	<b>4</b>	<b>0.002</b>
2.fsWithHunger#				
2.Race	<b>5.354</b>	<b>4</b>	<b>4</b>	<b>0.001</b>
2.fsWithHunger#				
3.Race	<b>1.813</b>	<b>4</b>	<b>4</b>	<b>0.138</b>
2.age4	<b>0.478</b>	<b>4</b>	<b>4</b>	<b>0.752</b>
3.age4	<b>1.594</b>	<b>4</b>	<b>4</b>	<b>0.187</b>
4.age4	<b>3.468</b>	<b>4</b>	<b>4</b>	<b>0.013</b>
1.edu	<b>9.099</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.edu	<b>45.221</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
1.Male	<b>83.214</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
2.BMICat	<b>9.616</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
3.BMICat	<b>19.029</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
4.BMICat	<b>22.554</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
5.BMICat	<b>27.144</b>	<b>4</b>	<b>4</b>	<b>0.000</b>
6.BMICat	<b>25.412</b>	<b>4</b>	<b>4</b>	<b>0.000</b>

```
91 . listcoef, help
note: pweights are treated as aweights to compute standard deviations
```

```
mlogit (N=12708): Factor change in the odds of doingWT
```

Variable: 1.fsWithHunger (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.0044	-0.016	0.988	0.996	.
r1	-1.5167	-7.709	0.000	0.219	.
doing nothin vs tried to los	0.3007	1.433	0.157	1.351	.
doing nothin vs tried to not	0.3041	0.971	0.335	1.355	.
<b>lost weight</b>					
vs doing nothin	0.0044	0.016	0.988	1.004	.
<b>lost weight: vs lost weight</b>					
r1	-1.5124	-6.119	0.000	0.220	.
<b>lost weight</b>					
vs tried to los	0.3050	1.300	0.198	1.357	.
vs tried to not	0.3085	0.983	0.329	1.361	.
vs doing nothin	1.5167	7.709	0.000	4.557	.
<b>lost weight: vs lost weight</b>					
r1	1.5124	6.119	0.000	4.537	.
<b>lost weight</b>					
vs tried to los	1.8174	7.978	0.000	6.156	.
vs tried to not	1.8208	5.767	0.000	6.177	.
tried to los vs doing nothin	-0.3007	-1.433	0.157	0.740	.
<b>tried to los vs lost weight</b>					
r1	-0.3050	-1.300	0.198	0.737	.
r1	-1.8174	-7.978	0.000	0.162	.
tried to los vs tried to not	0.0034	0.011	0.991	1.003	.

tried to not vs doing nothin	<b>-0.3041</b>	<b>-0.971</b>	0.335	0.738	.
<b>tried to not vs lost weight</b>					
r1	-0.3085	-0.983	0.329	0.735	.
r1	-1.8208	-5.767	0.000	0.162	.
tried to not vs tried to los	<b>-0.0034</b>	<b>-0.011</b>	0.991	0.997	.

**Variable: 2.fsWithHunger (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.0017	-0.010	0.992	0.998	.
r1	-1.1811	-8.634	0.000	0.307	.
doing nothin vs tried to los	0.2380	2.035	0.046	1.269	.
doing nothin vs tried to not	0.1450	1.042	0.301	1.156	.
<b>lost weight</b>					
vs doing nothin	0.0017	0.010	0.992	1.002	.
<b>lost weight: vs lost weight</b>					
r1	-1.1794	-6.422	0.000	0.307	.
<b>lost weight</b>					
vs tried to los	0.2397	1.531	0.131	1.271	.
vs tried to not	0.1467	0.736	0.464	1.158	.
vs doing nothin	1.1811	8.634	0.000	3.258	.
<b>lost weight: vs lost weight</b>					
r1	1.1794	6.422	0.000	3.252	.
<b>lost weight</b>					
vs tried to los	1.4191	8.624	0.000	4.133	.
vs tried to not	1.3261	7.265	0.000	3.766	.
tried to los vs doing nothin	-0.2380	-2.035	0.046	0.788	.
<b>tried to los vs lost weight</b>					
r1	-0.2397	-1.531	0.131	0.787	.
r1	-1.4191	-8.624	0.000	0.242	.
tried to los vs tried to not	-0.0930	-0.601	0.550	0.911	.
tried to not vs doing nothin	-0.1450	-1.042	0.301	0.865	.
<b>tried to not vs lost weight</b>					
r1	-0.1467	-0.736	0.464	0.864	.
r1	-1.3261	-7.265	0.000	0.266	.
tried to not vs tried to los	0.0930	0.601	0.550	1.097	.

**Variable: 1.Race (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	0.2082	1.981	0.052	1.231	.
r1	-0.8263	-5.465	0.000	0.438	.
doing nothin vs tried to los	0.3408	3.028	0.004	1.406	.
doing nothin vs tried to not	0.6074	3.405	0.001	1.836	.
<b>lost weight</b>					
vs doing nothin	-0.2082	-1.981	0.052	0.812	.
<b>lost weight: vs lost weight</b>					
r1	-1.0344	-6.805	0.000	0.355	.
<b>lost weight</b>					

vs tried to los	0.1327	1.359	0.179	1.142	.
vs tried to not	0.3992	2.252	0.028	1.491	.
vs doing nothin	0.8263	5.465	0.000	2.285	.
<b>lost weight: vs lost weight</b>					
r1	1.0344	6.805	0.000	2.813	.
<b>lost weight</b>					
vs tried to los	1.1671	7.561	0.000	3.213	.
vs tried to not	1.4336	6.291	0.000	4.194	.
tried to los vs doing nothin	-0.3408	-3.028	0.004	0.711	.
<b>tried to los vs lost weight</b>					
r1	-0.1327	-1.359	0.179	0.876	.
r1	-1.1671	-7.561	0.000	0.311	.
tried to los vs tried to not	0.2665	1.581	0.119	1.305	.
tried to not vs doing nothin	-0.6074	-3.405	0.001	0.545	.
<b>tried to not vs lost weight</b>					
r1	-0.3992	-2.252	0.028	0.671	.
r1	-1.4336	-6.291	0.000	0.238	.
tried to not vs tried to los	-0.2665	-1.581	0.119	0.766	.

Variable: 2.Race (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	0.1802	1.702	0.094	1.197	.
r1	-0.3160	-1.892	0.063	0.729	.
doing nothin vs tried to los	0.0717	0.578	0.565	1.074	.
doing nothin vs tried to not	0.1003	0.795	0.430	1.106	.
<b>lost weight</b>					
vs doing nothin	-0.1802	-1.702	0.094	0.835	.
<b>lost weight: vs lost weight</b>					
r1	-0.4962	-3.101	0.003	0.609	.
<b>lost weight</b>					
vs tried to los	-0.1085	-0.892	0.376	0.897	.
vs tried to not	-0.0798	-0.568	0.572	0.923	.
vs doing nothin	0.3160	1.892	0.063	1.372	.
<b>lost weight: vs lost weight</b>					
r1	0.4962	3.101	0.003	1.642	.
<b>lost weight</b>					
vs tried to los	0.3877	2.063	0.043	1.474	.
vs tried to not	0.4164	2.097	0.040	1.516	.
tried to los vs doing nothin	-0.0717	-0.578	0.565	0.931	.
<b>tried to los vs lost weight</b>					
r1	0.1085	0.892	0.376	1.115	.
r1	-0.3877	-2.063	0.043	0.679	.
tried to los vs tried to not	0.0287	0.210	0.834	1.029	.
tried to not vs doing nothin	-0.1003	-0.795	0.430	0.905	.
<b>tried to not vs lost weight</b>					
r1	0.0798	0.568	0.572	1.083	.
r1	-0.4164	-2.097	0.040	0.659	.
tried to not vs tried to los	-0.0287	-0.210	0.834	0.972	.

## Variable: 3.Race (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	0.6265	3.386	0.001	1.871	.
r1	-0.0299	-0.136	0.892	0.971	.
doing nothin vs tried to los	0.0238	0.195	0.846	1.024	.
doing nothin vs tried to not	0.5138	2.900	0.005	1.672	.
<b>lost weight</b>					
vs doing nothin	-0.6265	-3.386	0.001	0.534	.
<b>lost weight: vs lost weight</b>					
r1	-0.6564	-2.563	0.013	0.519	.
<b>lost weight</b>					
vs tried to los	-0.6027	-3.501	0.001	0.547	.
vs tried to not	-0.1127	-0.443	0.659	0.893	.
vs doing nothin	0.0299	0.136	0.892	1.030	.
<b>lost weight: vs lost weight</b>					
r1	0.6564	2.563	0.013	1.928	.
<b>lost weight</b>					
vs tried to los	0.0536	0.232	0.818	1.055	.
vs tried to not	0.5437	1.993	0.051	1.722	.
tried to los vs doing nothin	-0.0238	-0.195	0.846	0.977	.
<b>tried to los vs lost weight</b>					
r1	0.6027	3.501	0.001	1.827	.
r1	-0.0536	-0.232	0.818	0.948	.
tried to los vs tried to not	0.4901	2.486	0.016	1.632	.
tried to not vs doing nothin	-0.5138	-2.900	0.005	0.598	.
<b>tried to not vs lost weight</b>					
r1	0.1127	0.443	0.659	1.119	.
r1	-0.5437	-1.993	0.051	0.581	.
tried to not vs tried to los	-0.4901	-2.486	0.016	0.613	.

## Variable: 1.fsWithHunger#1.Race (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.2190	-0.640	0.524	0.803	.
r1	1.0089	3.180	0.002	2.743	.
doing nothin vs tried to los	-0.0331	-0.122	0.903	0.967	.
doing nothin vs tried to not	-0.7374	-1.424	0.159	0.478	.
<b>lost weight</b>					
vs doing nothin	0.2190	0.640	0.524	1.245	.
<b>lost weight: vs lost weight</b>					
r1	1.2278	3.039	0.003	3.414	.
<b>lost weight</b>					
vs tried to los	0.1859	0.578	0.565	1.204	.
vs tried to not	-0.5184	-1.099	0.276	0.595	.
vs doing nothin	-1.0089	-3.180	0.002	0.365	.
<b>lost weight: vs lost weight</b>					
r1	-1.2278	-3.039	0.003	0.293	.
<b>lost weight</b>					
vs tried to los	-1.0419	-2.943	0.005	0.353	.

vs tried to not	<b>-1.7463</b>	<b>-3.297</b>	<b>0.002</b>	<b>0.174</b>	.
tried to los vs doing nothin	<b>0.0331</b>	<b>0.122</b>	<b>0.903</b>	<b>1.034</b>	.
<b>tried to los vs lost weight</b>					
r1	<b>-0.1859</b>	<b>-0.578</b>	<b>0.565</b>	<b>0.830</b>	.
r1	<b>1.0419</b>	<b>2.943</b>	<b>0.005</b>	<b>2.835</b>	.
tried to los vs tried to not	<b>-0.7044</b>	<b>-1.512</b>	<b>0.135</b>	<b>0.494</b>	.
tried to not vs doing nothin	<b>0.7374</b>	<b>1.424</b>	<b>0.159</b>	<b>2.091</b>	.
<b>tried to not vs lost weight</b>					
r1	<b>0.5184</b>	<b>1.099</b>	<b>0.276</b>	<b>1.679</b>	.
r1	<b>1.7463</b>	<b>3.297</b>	<b>0.002</b>	<b>5.733</b>	.
tried to not vs tried to los	<b>0.7044</b>	<b>1.512</b>	<b>0.135</b>	<b>2.023</b>	.

Variable: 1.fsWithHunger#2.Race (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	<b>-0.2534</b>	<b>-0.721</b>	<b>0.474</b>	<b>0.776</b>	.
r1	<b>0.8270</b>	<b>2.527</b>	<b>0.014</b>	<b>2.287</b>	.
doing nothin vs tried to los	<b>-0.1543</b>	<b>-0.580</b>	<b>0.564</b>	<b>0.857</b>	.
doing nothin vs tried to not	<b>-0.2156</b>	<b>-0.485</b>	<b>0.629</b>	<b>0.806</b>	.
<b>lost weight</b>					
vs doing nothin	<b>0.2534</b>	<b>0.721</b>	<b>0.474</b>	<b>1.288</b>	.
<b>lost weight: vs lost weight</b>					
r1	<b>1.0804</b>	<b>3.153</b>	<b>0.002</b>	<b>2.946</b>	.
<b>lost weight</b>					
vs tried to los	<b>0.0990</b>	<b>0.286</b>	<b>0.776</b>	<b>1.104</b>	.
vs tried to not	<b>0.0378</b>	<b>0.081</b>	<b>0.935</b>	<b>1.038</b>	.
vs doing nothin	<b>-0.8270</b>	<b>-2.527</b>	<b>0.014</b>	<b>0.437</b>	.
<b>lost weight: vs lost weight</b>					
r1	<b>-1.0804</b>	<b>-3.153</b>	<b>0.002</b>	<b>0.339</b>	.
<b>lost weight</b>					
vs tried to los	<b>-0.9814</b>	<b>-2.892</b>	<b>0.005</b>	<b>0.375</b>	.
vs tried to not	<b>-1.0427</b>	<b>-2.180</b>	<b>0.033</b>	<b>0.353</b>	.
tried to los vs doing nothin	<b>0.1543</b>	<b>0.580</b>	<b>0.564</b>	<b>1.167</b>	.
<b>tried to los vs lost weight</b>					
r1	<b>-0.0990</b>	<b>-0.286</b>	<b>0.776</b>	<b>0.906</b>	.
r1	<b>0.9814</b>	<b>2.892</b>	<b>0.005</b>	<b>2.668</b>	.
tried to los vs tried to not	<b>-0.0613</b>	<b>-0.132</b>	<b>0.896</b>	<b>0.941</b>	.
tried to not vs doing nothin	<b>0.2156</b>	<b>0.485</b>	<b>0.629</b>	<b>1.241</b>	.
<b>tried to not vs lost weight</b>					
r1	<b>-0.0378</b>	<b>-0.081</b>	<b>0.935</b>	<b>0.963</b>	.
r1	<b>1.0427</b>	<b>2.180</b>	<b>0.033</b>	<b>2.837</b>	.
tried to not vs tried to los	<b>0.0613</b>	<b>0.132</b>	<b>0.896</b>	<b>1.063</b>	.

## Variable: 1.fsWithHunger#3.Race (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.2965	-0.394	0.695	0.743	.
r1	0.8731	1.513	0.135	2.394	.
doing nothin vs tried to los	0.7860	1.339	0.185	2.195	.
doing nothin vs tried to not	-0.2238	-0.245	0.807	0.799	.
<b>lost weight</b>					
vs doing nothin	0.2965	0.394	0.695	1.345	.
<b>lost weight: vs lost weight</b>					
r1	1.1695	1.437	0.156	3.221	.
<b>lost weight</b>					
vs tried to los	1.0825	1.925	0.059	2.952	.
vs tried to not	0.0727	0.096	0.924	1.075	.
vs doing nothin	-0.8731	-1.513	0.135	0.418	.
<b>lost weight: vs lost weight</b>					
r1	-1.1695	-1.437	0.156	0.311	.
<b>lost weight</b>					
vs tried to los	-0.0870	-0.126	0.900	0.917	.
vs tried to not	-1.0968	-1.308	0.196	0.334	.
tried to los vs doing nothin	-0.7860	-1.339	0.185	0.456	.
<b>tried to los vs lost weight</b>					
r1	-1.0825	-1.925	0.059	0.339	.
r1	0.0870	0.126	0.900	1.091	.
tried to los vs tried to not	-1.0098	-1.414	0.162	0.364	.
tried to not vs doing nothin	0.2238	0.245	0.807	1.251	.
<b>tried to not vs lost weight</b>					
r1	-0.0727	-0.096	0.924	0.930	.
r1	1.0968	1.308	0.196	2.995	.
tried to not vs tried to los	1.0098	1.414	0.162	2.745	.

## Variable: 2.fsWithHunger#1.Race (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.1907	-0.989	0.326	0.826	.
r1	0.6417	3.337	0.001	1.900	.
doing nothin vs tried to los	-0.2084	-1.231	0.223	0.812	.
doing nothin vs tried to not	-0.7203	-2.571	0.012	0.487	.
<b>lost weight</b>					
vs doing nothin	0.1907	0.989	0.326	1.210	.
<b>lost weight: vs lost weight</b>					
r1	0.8324	3.271	0.002	2.299	.
<b>lost weight</b>					
vs tried to los	-0.0176	-0.093	0.926	0.983	.
vs tried to not	-0.5296	-1.946	0.056	0.589	.
vs doing nothin	-0.6417	-3.337	0.001	0.526	.
<b>lost weight: vs lost weight</b>					
r1	-0.8324	-3.271	0.002	0.435	.
<b>lost weight</b>					
vs tried to los	-0.8501	-3.480	0.001	0.427	.

vs tried to not	<b>-1.3620</b>	<b>-4.221</b>	<b>0.000</b>	<b>0.256</b>	.
tried to los vs doing nothin	<b>0.2084</b>	<b>1.231</b>	<b>0.223</b>	<b>1.232</b>	.
<b>tried to los vs lost weight</b>					
r1	<b>0.0176</b>	<b>0.093</b>	<b>0.926</b>	<b>1.018</b>	.
r1	<b>0.8501</b>	<b>3.480</b>	<b>0.001</b>	<b>2.340</b>	.
tried to los vs tried to not	<b>-0.5120</b>	<b>-1.900</b>	<b>0.062</b>	<b>0.599</b>	.
tried to not vs doing nothin	<b>0.7203</b>	<b>2.571</b>	<b>0.012</b>	<b>2.055</b>	.
<b>tried to not vs lost weight</b>					
r1	<b>0.5296</b>	<b>1.946</b>	<b>0.056</b>	<b>1.698</b>	.
r1	<b>1.3620</b>	<b>4.221</b>	<b>0.000</b>	<b>3.904</b>	.
tried to not vs tried to los	<b>0.5120</b>	<b>1.900</b>	<b>0.062</b>	<b>1.669</b>	.

Variable: 2.fsWithHunger#2.Race (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	<b>-0.0861</b>	<b>-0.447</b>	<b>0.656</b>	<b>0.918</b>	.
r1	<b>0.8569</b>	<b>4.091</b>	<b>0.000</b>	<b>2.356</b>	.
doing nothin vs tried to los	<b>-0.1956</b>	<b>-1.328</b>	<b>0.189</b>	<b>0.822</b>	.
doing nothin vs tried to not	<b>0.1256</b>	<b>0.551</b>	<b>0.583</b>	<b>1.134</b>	.
<b>lost weight</b>					
vs doing nothin	<b>0.0861</b>	<b>0.447</b>	<b>0.656</b>	<b>1.090</b>	.
<b>lost weight: vs lost weight</b>					
r1	<b>0.9430</b>	<b>3.605</b>	<b>0.001</b>	<b>2.568</b>	.
<b>lost weight</b>					
vs tried to los	<b>-0.1095</b>	<b>-0.515</b>	<b>0.608</b>	<b>0.896</b>	.
vs tried to not	<b>0.2116</b>	<b>0.753</b>	<b>0.454</b>	<b>1.236</b>	.
vs doing nothin	<b>-0.8569</b>	<b>-4.091</b>	<b>0.000</b>	<b>0.424</b>	.
<b>lost weight: vs lost weight</b>					
r1	<b>-0.9430</b>	<b>-3.605</b>	<b>0.001</b>	<b>0.389</b>	.
<b>lost weight</b>					
vs tried to los	<b>-1.0525</b>	<b>-4.611</b>	<b>0.000</b>	<b>0.349</b>	.
vs tried to not	<b>-0.7313</b>	<b>-2.594</b>	<b>0.012</b>	<b>0.481</b>	.
tried to los vs doing nothin	<b>0.1956</b>	<b>1.328</b>	<b>0.189</b>	<b>1.216</b>	.
<b>tried to los vs lost weight</b>					
r1	<b>0.1095</b>	<b>0.515</b>	<b>0.608</b>	<b>1.116</b>	.
r1	<b>1.0525</b>	<b>4.611</b>	<b>0.000</b>	<b>2.865</b>	.
tried to los vs tried to not	<b>0.3212</b>	<b>1.351</b>	<b>0.182</b>	<b>1.379</b>	.
tried to not vs doing nothin	<b>-0.1256</b>	<b>-0.551</b>	<b>0.583</b>	<b>0.882</b>	.
<b>tried to not vs lost weight</b>					
r1	<b>-0.2116</b>	<b>-0.753</b>	<b>0.454</b>	<b>0.809</b>	.
r1	<b>0.7313</b>	<b>2.594</b>	<b>0.012</b>	<b>2.078</b>	.
tried to not vs tried to los	<b>-0.3212</b>	<b>-1.351</b>	<b>0.182</b>	<b>0.725</b>	.

**Variable: 2.fsWithHunger#3.Race (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.3131	-0.881	0.381	0.731	.
r1	0.5668	1.258	0.213	1.763	.
doing nothin vs tried to los	-0.2921	-1.127	0.264	0.747	.
doing nothin vs tried to not	-0.4170	-1.215	0.229	0.659	.
<b>lost weight</b>					
vs doing nothin	0.3131	0.881	0.381	1.368	.
<b>lost weight: vs lost weight</b>					
r1	0.8799	1.991	0.051	2.411	.
<b>lost weight</b>					
vs tried to los	0.0210	0.072	0.943	1.021	.
vs tried to not	-0.1040	-0.237	0.813	0.901	.
vs doing nothin	-0.5668	-1.258	0.213	0.567	.
<b>lost weight: vs lost weight</b>					
r1	-0.8799	-1.991	0.051	0.415	.
<b>lost weight</b>					
vs tried to los	-0.8589	-2.284	0.026	0.424	.
vs tried to not	-0.9839	-1.939	0.057	0.374	.
tried to los vs doing nothin	0.2921	1.127	0.264	1.339	.
<b>tried to los vs lost weight</b>					
r1	-0.0210	-0.072	0.943	0.979	.
r1	0.8589	2.284	0.026	2.361	.
tried to los vs tried to not	-0.1250	-0.350	0.727	0.883	.
tried to not vs doing nothin	0.4170	1.215	0.229	1.517	.
<b>tried to not vs lost weight</b>					
r1	0.1040	0.237	0.813	1.110	.
r1	0.9839	1.939	0.057	2.675	.
tried to not vs tried to los	0.1250	0.350	0.727	1.133	.

**Variable: 2.age4 (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	0.0732	0.664	0.509	1.076	.
r1	0.0351	0.204	0.839	1.036	.
doing nothin vs tried to los	0.1254	1.303	0.197	1.134	.
doing nothin vs tried to not	0.1249	0.828	0.411	1.133	.
<b>lost weight</b>					
vs doing nothin	-0.0732	-0.664	0.509	0.929	.
<b>lost weight: vs lost weight</b>					
r1	-0.0381	-0.238	0.813	0.963	.
<b>lost weight</b>					
vs tried to los	0.0522	0.585	0.560	1.054	.
vs tried to not	0.0517	0.347	0.730	1.053	.
vs doing nothin	-0.0351	-0.204	0.839	0.966	.
<b>lost weight: vs lost weight</b>					
r1	0.0381	0.238	0.813	1.039	.
<b>lost weight</b>					
vs tried to los	0.0904	0.607	0.546	1.095	.

vs tried to not	<b>0.0898</b>	<b>0.496</b>	<b>0.622</b>	<b>1.094</b>	.
tried to los vs doing nothin	<b>-0.1254</b>	<b>-1.303</b>	<b>0.197</b>	<b>0.882</b>	.
<b>tried to los vs lost weight</b>					
r1	<b>-0.0522</b>	<b>-0.585</b>	<b>0.560</b>	<b>0.949</b>	.
r1	<b>-0.0904</b>	<b>-0.607</b>	<b>0.546</b>	<b>0.914</b>	.
tried to los vs tried to not	<b>-0.0006</b>	<b>-0.005</b>	<b>0.996</b>	<b>0.999</b>	.
tried to not vs doing nothin	<b>-0.1249</b>	<b>-0.828</b>	<b>0.411</b>	<b>0.883</b>	.
<b>tried to not vs lost weight</b>					
r1	<b>-0.0517</b>	<b>-0.347</b>	<b>0.730</b>	<b>0.950</b>	.
r1	<b>-0.0898</b>	<b>-0.496</b>	<b>0.622</b>	<b>0.914</b>	.
tried to not vs tried to los	<b>0.0006</b>	<b>0.005</b>	<b>0.996</b>	<b>1.001</b>	.

Variable: 3.age4 (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	<b>0.1826</b>	<b>1.770</b>	<b>0.082</b>	<b>1.200</b>	.
r1	<b>-0.1263</b>	<b>-0.756</b>	<b>0.453</b>	<b>0.881</b>	.
doing nothin vs tried to los	<b>0.1567</b>	<b>1.610</b>	<b>0.112</b>	<b>1.170</b>	.
doing nothin vs tried to not	<b>0.0681</b>	<b>0.481</b>	<b>0.632</b>	<b>1.070</b>	.
<b>lost weight</b>					
vs doing nothin	<b>-0.1826</b>	<b>-1.770</b>	<b>0.082</b>	<b>0.833</b>	.
<b>lost weight: vs lost weight</b>					
r1	<b>-0.3088</b>	<b>-1.924</b>	<b>0.059</b>	<b>0.734</b>	.
<b>lost weight</b>					
vs tried to los	<b>-0.0259</b>	<b>-0.264</b>	<b>0.793</b>	<b>0.974</b>	.
vs tried to not	<b>-0.1145</b>	<b>-0.887</b>	<b>0.378</b>	<b>0.892</b>	.
vs doing nothin	<b>0.1263</b>	<b>0.756</b>	<b>0.453</b>	<b>1.135</b>	.
<b>lost weight: vs lost weight</b>					
r1	<b>0.3088</b>	<b>1.924</b>	<b>0.059</b>	<b>1.362</b>	.
<b>lost weight</b>					
vs tried to los	<b>0.2830</b>	<b>1.682</b>	<b>0.097</b>	<b>1.327</b>	.
vs tried to not	<b>0.1944</b>	<b>1.080</b>	<b>0.284</b>	<b>1.215</b>	.
tried to los vs doing nothin	<b>-0.1567</b>	<b>-1.610</b>	<b>0.112</b>	<b>0.855</b>	.
<b>tried to los vs lost weight</b>					
r1	<b>0.0259</b>	<b>0.264</b>	<b>0.793</b>	<b>1.026</b>	.
r1	<b>-0.2830</b>	<b>-1.682</b>	<b>0.097</b>	<b>0.754</b>	.
tried to los vs tried to not	<b>-0.0886</b>	<b>-0.733</b>	<b>0.466</b>	<b>0.915</b>	.
tried to not vs doing nothin	<b>-0.0681</b>	<b>-0.481</b>	<b>0.632</b>	<b>0.934</b>	.
<b>tried to not vs lost weight</b>					
r1	<b>0.1145</b>	<b>0.887</b>	<b>0.378</b>	<b>1.121</b>	.
r1	<b>-0.1944</b>	<b>-1.080</b>	<b>0.284</b>	<b>0.823</b>	.
tried to not vs tried to los	<b>0.0886</b>	<b>0.733</b>	<b>0.466</b>	<b>1.093</b>	.

## Variable: 4.age4 (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	0.2315	2.046	0.045	1.260	.
r1	-0.1098	-0.630	0.531	0.896	.
doing nothin vs tried to los	0.2209	2.032	0.046	1.247	.
doing nothin vs tried to not	-0.0218	-0.166	0.868	0.978	.
<b>lost weight</b>					
vs doing nothin	-0.2315	-2.046	0.045	0.793	.
<b>lost weight: vs lost weight</b>					
r1	-0.3412	-1.764	0.083	0.711	.
<b>lost weight</b>					
vs tried to los	-0.0106	-0.083	0.934	0.989	.
vs tried to not	-0.2533	-1.796	0.077	0.776	.
vs doing nothin	0.1098	0.630	0.531	1.116	.
<b>lost weight: vs lost weight</b>					
r1	0.3412	1.764	0.083	1.407	.
<b>lost weight</b>					
vs tried to los	0.3306	2.158	0.035	1.392	.
vs tried to not	0.0880	0.447	0.656	1.092	.
tried to los vs doing nothin	-0.2209	-2.032	0.046	0.802	.
<b>tried to los vs lost weight</b>					
r1	0.0106	0.083	0.934	1.011	.
r1	-0.3306	-2.158	0.035	0.718	.
tried to los vs tried to not	-0.2427	-2.192	0.032	0.785	.
tried to not vs doing nothin	0.0218	0.166	0.868	1.022	.
<b>tried to not vs lost weight</b>					
r1	0.2533	1.796	0.077	1.288	.
r1	-0.0880	-0.447	0.656	0.916	.
tried to not vs tried to los	0.2427	2.192	0.032	1.275	.

## Variable: 1.edu (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.3767	-3.580	0.001	0.686	.
r1	-0.0971	-0.737	0.464	0.907	.
doing nothin vs tried to los	-0.5419	-5.691	0.000	0.582	.
doing nothin vs tried to not	-0.3470	-2.491	0.015	0.707	.
<b>lost weight</b>					
vs doing nothin	0.3767	3.580	0.001	1.457	.
<b>lost weight: vs lost weight</b>					
r1	0.2796	1.777	0.080	1.323	.
<b>lost weight</b>					
vs tried to los	-0.1652	-1.412	0.163	0.848	.
vs tried to not	0.0297	0.212	0.833	1.030	.
vs doing nothin	0.0971	0.737	0.464	1.102	.
<b>lost weight: vs lost weight</b>					
r1	-0.2796	-1.777	0.080	0.756	.
<b>lost weight</b>					
vs tried to los	-0.4447	-3.305	0.002	0.641	.

vs tried to not	<b>-0.2499</b>	<b>-1.384</b>	0.171	0.779	.
tried to los vs doing nothin	<b>0.5419</b>	<b>5.691</b>	0.000	1.719	.
<b>tried to los vs lost weight</b>					
r1	0.1652	<b>1.412</b>	0.163	1.180	.
r1	0.4447	3.305	0.002	1.560	.
tried to los vs tried to not	<b>0.1948</b>	<b>1.279</b>	0.206	1.215	.
tried to not vs doing nothin	<b>0.3470</b>	<b>2.491</b>	0.015	1.415	.
<b>tried to not vs lost weight</b>					
r1	-0.0297	<b>-0.212</b>	0.833	0.971	.
r1	0.2499	<b>1.384</b>	0.171	1.284	.
tried to not vs tried to los	<b>-0.1948</b>	<b>-1.279</b>	0.206	0.823	.

**Variable: 2.edu (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-0.9797	<b>-8.387</b>	0.000	0.375	.
r1	0.0083	0.065	0.948	1.008	.
doing nothin vs tried to los	<b>-1.0901</b>	<b>-10.668</b>	0.000	0.336	.
doing nothin vs tried to not	<b>-1.2422</b>	<b>-10.824</b>	0.000	0.289	.
<b>lost weight</b>					
vs doing nothin	<b>0.9797</b>	<b>8.387</b>	0.000	2.664	.
<b>lost weight: vs lost weight</b>					
r1	<b>0.9879</b>	<b>6.300</b>	0.000	2.686	.
<b>lost weight</b>					
vs tried to los	-0.1104	<b>-1.203</b>	0.233	0.895	.
vs tried to not	-0.2625	<b>-1.915</b>	0.060	0.769	.
vs doing nothin	-0.0083	<b>-0.065</b>	0.948	0.992	.
<b>lost weight: vs lost weight</b>					
r1	<b>-0.9879</b>	<b>-6.300</b>	0.000	0.372	.
<b>lost weight</b>					
vs tried to los	<b>-1.0983</b>	<b>-8.296</b>	0.000	0.333	.
vs tried to not	<b>-1.2504</b>	<b>-8.347</b>	0.000	0.286	.
tried to los vs doing nothin	<b>1.0901</b>	<b>10.668</b>	0.000	2.975	.
<b>tried to los vs lost weight</b>					
r1	0.1104	<b>1.203</b>	0.233	1.117	.
r1	1.0983	<b>8.296</b>	0.000	2.999	.
tried to los vs tried to not	<b>-0.1521</b>	<b>-1.275</b>	0.207	0.859	.
tried to not vs doing nothin	<b>1.2422</b>	<b>10.824</b>	0.000	3.463	.
<b>tried to not vs lost weight</b>					
r1	0.2625	<b>1.915</b>	0.060	1.300	.
r1	1.2504	<b>8.347</b>	0.000	3.492	.
tried to not vs tried to los	<b>0.1521</b>	<b>1.275</b>	0.207	1.164	.

## Variable: 1.Male (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	0.6817	10.446	0.000	1.977	.
r1	0.3274	2.978	0.004	1.387	.
doing nothin vs tried to los	1.0469	16.546	0.000	2.849	.
doing nothin vs tried to not	0.3420	4.631	0.000	1.408	.
<b>lost weight</b>					
vs doing nothin	-0.6817	-10.446	0.000	0.506	.
<b>lost weight: vs lost weight</b>					
r1	-0.3543	-3.913	0.000	0.702	.
<b>lost weight</b>					
vs tried to los	0.3652	6.816	0.000	1.441	.
vs tried to not	-0.3397	-3.420	0.001	0.712	.
vs doing nothin	-0.3274	-2.978	0.004	0.721	.
<b>lost weight: vs lost weight</b>					
r1	0.3543	3.913	0.000	1.425	.
<b>lost weight</b>					
vs tried to los	0.7195	7.786	0.000	2.053	.
vs tried to not	0.0146	0.102	0.919	1.015	.
tried to los vs doing nothin	-1.0469	-16.546	0.000	0.351	.
<b>tried to los vs lost weight</b>					
r1	-0.3652	-6.816	0.000	0.694	.
r1	-0.7195	-7.786	0.000	0.487	.
tried to los vs tried to not	-0.7049	-7.011	0.000	0.494	.
tried to not vs doing nothin	-0.3420	-4.631	0.000	0.710	.
<b>tried to not vs lost weight</b>					
r1	0.3397	3.420	0.001	1.404	.
r1	-0.0146	-0.102	0.919	0.985	.
tried to not vs tried to los	0.7049	7.011	0.000	2.024	.

## Variable: 2.BMICat (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-2.6149	-2.969	0.004	0.073	.
r1	-0.1157	-0.351	0.726	0.891	.
doing nothin vs tried to los	-3.0811	-5.051	0.000	0.046	.
doing nothin vs tried to not	-0.9781	-2.524	0.014	0.376	.
<b>lost weight</b>					
vs doing nothin	2.6149	2.969	0.004	13.665	.
<b>lost weight: vs lost weight</b>					
r1	2.4992	2.687	0.009	12.172	.
<b>lost weight</b>					
vs tried to los	-0.4662	-0.436	0.664	0.627	.
vs tried to not	1.6368	1.699	0.094	5.138	.
vs doing nothin	0.1157	0.351	0.726	1.123	.
<b>lost weight: vs lost weight</b>					
r1	-2.4992	-2.687	0.009	0.082	.
<b>lost weight</b>					
vs tried to los	-2.9654	-4.337	0.000	0.052	.

vs tried to not	<b>-0.8624</b>	<b>-1.839</b>	0.071	0.422	.
tried to los vs doing nothin	<b>3.0811</b>	<b>5.051</b>	0.000	21.782	.
<b>tried to los vs lost weight</b>					
r1	<b>0.4662</b>	<b>0.436</b>	0.664	1.594	.
r1	<b>2.9654</b>	<b>4.337</b>	0.000	19.403	.
tried to los vs tried to not	<b>2.1030</b>	<b>2.928</b>	0.005	8.191	.
tried to not vs doing nothin	<b>0.9781</b>	<b>2.524</b>	0.014	2.659	.
<b>tried to not vs lost weight</b>					
r1	<b>-1.6368</b>	<b>-1.699</b>	0.094	0.195	.
r1	<b>0.8624</b>	<b>1.839</b>	0.071	2.369	.
tried to not vs tried to los	<b>-2.1030</b>	<b>-2.928</b>	0.005	0.122	.

**Variable: 3.BMICat (sd=.)**

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	<b>-3.9118</b>	<b>-4.351</b>	0.000	0.020	.
r1	<b>-0.1546</b>	<b>-0.452</b>	0.653	0.857	.
doing nothin vs tried to los	<b>-4.2099</b>	<b>-7.099</b>	0.000	0.015	.
doing nothin vs tried to not	<b>-1.2013</b>	<b>-3.139</b>	0.003	0.301	.
<b>lost weight</b>					
vs doing nothin	<b>3.9118</b>	<b>4.351</b>	0.000	<b>49.987</b>	.
<b>lost weight: vs lost weight</b>					
r1	<b>3.7572</b>	<b>3.996</b>	0.000	<b>42.828</b>	.
<b>lost weight</b>					
vs tried to los	<b>-0.2981</b>	<b>-0.277</b>	0.783	0.742	.
vs tried to not	<b>2.7105</b>	<b>2.765</b>	0.007	15.036	.
vs doing nothin	<b>0.1546</b>	<b>0.452</b>	0.653	1.167	.
<b>lost weight: vs lost weight</b>					
r1	<b>-3.7572</b>	<b>-3.996</b>	0.000	0.023	.
<b>lost weight</b>					
vs tried to los	<b>-4.0553</b>	<b>-5.984</b>	0.000	0.017	.
vs tried to not	<b>-1.0467</b>	<b>-2.000</b>	0.050	0.351	.
tried to los vs doing nothin	<b>4.2099</b>	<b>7.099</b>	0.000	<b>67.347</b>	.
<b>tried to los vs lost weight</b>					
r1	<b>0.2981</b>	<b>0.277</b>	0.783	1.347	.
r1	<b>4.0553</b>	<b>5.984</b>	0.000	57.703	.
tried to los vs tried to not	<b>3.0086</b>	<b>4.237</b>	0.000	20.258	.
tried to not vs doing nothin	<b>1.2013</b>	<b>3.139</b>	0.003	3.324	.
<b>tried to not vs lost weight</b>					
r1	<b>-2.7105</b>	<b>-2.765</b>	0.007	0.067	.
r1	<b>1.0467</b>	<b>2.000</b>	0.050	2.848	.
tried to not vs tried to los	<b>-3.0086</b>	<b>-4.237</b>	0.000	0.049	.

## Variable: 4.BMICat (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-4.3529	-4.878	0.000	0.013	.
r1	-0.1129	-0.352	0.726	0.893	.
doing nothin vs tried to los	-4.6772	-7.673	0.000	0.009	.
doing nothin vs tried to not	-1.3494	-3.447	0.001	0.259	.
<b>lost weight</b>					
vs doing nothin	4.3529	4.878	0.000	77.705	.
<b>lost weight: vs lost weight</b>					
r1	4.2401	4.500	0.000	69.412	.
<b>lost weight</b>					
vs tried to los	-0.3243	-0.302	0.763	0.723	.
vs tried to not	3.0035	3.101	0.003	20.156	.
vs doing nothin	0.1129	0.352	0.726	1.119	.
<b>lost weight: vs lost weight</b>					
r1	-4.2401	-4.500	0.000	0.014	.
<b>lost weight</b>					
vs tried to los	-4.5644	-6.410	0.000	0.010	.
vs tried to not	-1.2366	-2.447	0.017	0.290	.
tried to los vs doing nothin	4.6772	7.673	0.000	107.471	.
<b>tried to los vs lost weight</b>					
r1	0.3243	0.302	0.763	1.383	.
r1	4.5644	6.410	0.000	96.001	.
tried to los vs tried to not	3.3278	4.557	0.000	27.877	.
tried to not vs doing nothin	1.3494	3.447	0.001	3.855	.
<b>tried to not vs lost weight</b>					
r1	-3.0035	-3.101	0.003	0.050	.
r1	1.2366	2.447	0.017	3.444	.
tried to not vs tried to los	-3.3278	-4.557	0.000	0.036	.

## Variable: 5.BMICat (sd=.)

	b	t	P> t	e^b	e^bStdX
<b>doing nothin vs lost weight</b>					
r1	-4.6113	-5.346	0.000	0.010	.
r1	-0.2347	-0.632	0.530	0.791	.
doing nothin vs tried to los	-5.0484	-8.687	0.000	0.006	.
doing nothin vs tried to not	-1.0738	-2.403	0.019	0.342	.
<b>lost weight</b>					
vs doing nothin	4.6113	5.346	0.000	100.615	.
<b>lost weight: vs lost weight</b>					
r1	4.3766	4.687	0.000	79.571	.
<b>lost weight</b>					
vs tried to los	-0.4371	-0.418	0.677	0.646	.
vs tried to not	3.5375	3.515	0.001	34.380	.
vs doing nothin	0.2347	0.632	0.530	1.264	.
<b>lost weight: vs lost weight</b>					
r1	-4.3766	-4.687	0.000	0.013	.
<b>lost weight</b>					
vs tried to los	-4.8138	-7.011	0.000	0.008	.

vs tried to not	<b>-0.8392</b>	<b>-1.575</b>	<b>0.120</b>	<b>0.432</b>	.
tried to los vs doing nothin	<b>5.0484</b>	<b>8.687</b>	<b>0.000</b>	<b>155.776</b>	.
<b>tried to los vs lost weight</b>					
r1	<b>0.4371</b>	<b>0.418</b>	<b>0.677</b>	<b>1.548</b>	.
r1	<b>4.8138</b>	<b>7.011</b>	<b>0.000</b>	<b>123.195</b>	.
tried to los vs tried to not	<b>3.9746</b>	<b>5.400</b>	<b>0.000</b>	<b>53.229</b>	.
tried to not vs doing nothin	<b>1.0738</b>	<b>2.403</b>	<b>0.019</b>	<b>2.927</b>	.
<b>tried to not vs lost weight</b>					
r1	<b>-3.5375</b>	<b>-3.515</b>	<b>0.001</b>	<b>0.029</b>	.
r1	<b>0.8392</b>	<b>1.575</b>	<b>0.120</b>	<b>2.314</b>	.
tried to not vs tried to los	<b>-3.9746</b>	<b>-5.400</b>	<b>0.000</b>	<b>0.019</b>	.

**matsize too small**

You have attempted to create a matrix with too many rows or columns or attempted to fit a model with too many variables. You need to increase matsize; it is currently 400. Use set matsize; see help matsize.

If you are using factor variables and included an interaction that has lots of missing cells, either increase matsize or set emptycells drop to reduce the required matrix size; see help set emptycells.

If you are using factor variables, you might have accidentally treated a continuous variable as a categorical, resulting in lots of categories. Use the c. operator on such variables.

r(908);

end of do-file

r(908);

92 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

93 . svy: mlogit doingWt i.fsWithHunger##i.Race##i.Male i.age4 i.edu i.BMICat  
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>12,708</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>186,710,447</b>
			Design df	=	<b>64</b>
			F( <u>64, 1</u> )	=	.
			Prob > F	=	.

doingWt	Coef.	Linearized				[95% Conf. Interval]
		Std. Err.	t	P> t		
<b>doing_noth~g</b>						
fsWithHunger						
1	<b>.2316408</b>	<b>.2976776</b>	<b>0.78</b>	<b>0.439</b>	<b>-.3630385</b>	<b>.8263202</b>
2	<b>.3735817</b>	<b>.1544989</b>	<b>2.42</b>	<b>0.018</b>	<b>.0649346</b>	<b>.6822287</b>
Race						
1	<b>.579067</b>	<b>.1526238</b>	<b>3.79</b>	<b>0.000</b>	<b>.2741659</b>	<b>.8839681</b>
2	<b>.2587593</b>	<b>.1466158</b>	<b>1.76</b>	<b>0.082</b>	<b>-.0341394</b>	<b>.5516581</b>
3	<b>.3303086</b>	<b>.1474774</b>	<b>2.24</b>	<b>0.029</b>	<b>.0356886</b>	<b>.6249286</b>
fsWithHunger#						
Race						
1 1	<b>.232532</b>	<b>.351467</b>	<b>0.66</b>	<b>0.511</b>	<b>-.4696041</b>	<b>.9346681</b>
1 2	<b>.0770999</b>	<b>.3809271</b>	<b>0.20</b>	<b>0.840</b>	<b>-.6838894</b>	<b>.8380893</b>
1 3	<b>.7703585</b>	<b>.5129157</b>	<b>1.50</b>	<b>0.138</b>	<b>-.2543084</b>	<b>1.795025</b>
2 1	<b>-.2700607</b>	<b>.2314441</b>	<b>-1.17</b>	<b>0.248</b>	<b>-.7324234</b>	<b>.1923021</b>
2 2	<b>-.4321837</b>	<b>.2300446</b>	<b>-1.88</b>	<b>0.065</b>	<b>-.8917506</b>	<b>.0273832</b>
2 3	<b>-.7891053</b>	<b>.2784081</b>	<b>-2.83</b>	<b>0.006</b>	<b>-1.345289</b>	<b>-.2329211</b>
1.Male	<b>1.229898</b>	<b>.1008668</b>	<b>12.19</b>	<b>0.000</b>	<b>1.028393</b>	<b>1.431403</b>

fsWithHunger#						
Male						
1 1	.081947	.4266061	0.19	0.848	-.7702967	.9341907
2 1	-.2734859	.2800008	-0.98	0.332	-.8328518	.28588
Race#Male						
1 1	-.4504914	.1850221	-2.43	0.018	-.8201156	-.0808672
2 1	-.3451097	.157529	-2.19	0.032	-.6598101	-.0304094
3 1	-.6343789	.2288416	-2.77	0.007	-1.091543	-.1772152
fsWithHunger#						
Race#Male						
1 1 1	-.6105973	.5856986	-1.04	0.301	-1.780665	.5594702
1 2 1	-.4013089	.4692053	-0.86	0.396	-1.338654	.5360364
1 3 1	.0844585	1.03426	0.08	0.935	-1.981714	2.150631
2 1 1	.0000827	.3916565	0.00	1.000	-.7823411	.7825065
2 2 1	.4698181	.3543115	1.33	0.190	-.2380004	1.177637
2 3 1	.9844713	.4901991	2.01	0.049	.005186	1.963757
age4						
2	.1289718	.0969541	1.33	0.188	-.0647163	.3226599
3	.1548489	.0974535	1.59	0.117	-.0398368	.3495346
4	.2212313	.1094377	2.02	0.047	.0026043	.4398583
edu						
1	-.5442336	.0952596	-5.71	0.000	-.7345366	-.3539306
2	-1.093522	.1035898	-10.56	0.000	-1.300466	-.8865774
BMICat						
2	-.3.101583	.6121342	-5.07	0.000	-4.324461	-1.878704
3	-4.250788	.5940529	-7.16	0.000	-5.437545	-3.064031
4	-4.723388	.6114975	-7.72	0.000	-5.944994	-3.501781
5	-5.088678	.5814101	-8.75	0.000	-6.250178	-3.927178
6	-5.436194	.62779	-8.66	0.000	-6.690349	-4.18204
_cons	3.969293	.6088388	6.52	0.000	2.752997	5.185588
lost weigh~1						
fsWithHunger						
1	.4115383	.2664532	1.54	0.127	-.1207632	.9438398
2	.2930034	.2173716	1.35	0.182	-.1412462	.7272531
Race						
1	.1042999	.1451491	0.72	0.475	-.1856687	.3942685
2	-.1245814	.1174386	-1.06	0.293	-.359192	.1100292
3	-.5437792	.2850702	-1.91	0.061	-1.113272	.0257139
fsWithHunger#						
Race						
1 1	.1685967	.3798279	0.44	0.659	-.5901968	.9273901
1 2	.1437226	.4496351	0.32	0.750	-.7545267	1.041972
1 3	.7598573	.6052883	1.26	0.214	-.449345	1.96906
2 1	.0203551	.260668	0.08	0.938	-.5003892	.5410994
2 2	-.2009846	.272854	-0.74	0.464	-.7460732	.344104
2 3	-.0187924	.4215536	-0.04	0.965	-.8609425	.8233578
1.Male	.3971833	.1008734	3.94	0.000	.1956656	.5987011
fsWithHunger#						
Male						
1 1	-.272966	.4149756	-0.66	0.513	-1.101975	.5560432
2 1	-.1514006	.3096192	-0.49	0.627	-.769936	.4671348
Race#Male						
1 1	.0383859	.2163358	0.18	0.860	-.3937946	.4705663
2 1	.0083971	.1804595	0.05	0.963	-.3521123	.3689065
3 1	-.1647661	.3724489	-0.44	0.660	-.9088183	.5792862
fsWithHunger#						
Race#Male						
1 1 1	-.004931	.6114291	-0.01	0.994	-1.226401	1.216539

1 2 1	-.0623897	.6586161	-0.09	0.925	-1.378127	1.253347
1 3 1	.7754402	1.346468	0.58	0.567	-1.914439	3.465319
2 1 1	-.1235145	.3907849	-0.32	0.753	-.9041972	.6571681
2 2 1	.2574112	.3804228	0.68	0.501	-.5025708	1.017393
2 3 1	.144087	.5571195	0.26	0.797	-.9688871	1.257061
age4						
2	.0523209	.088825	0.59	0.558	-.1251274	.2297691
3	-.0263559	.0975364	-0.27	0.788	-.2212072	.1684954
4	-.0114977	.1268173	-0.09	0.928	-.2648444	.241849
edu						
1	-.1656089	.1165885	-1.42	0.160	-.3985212	.0673035
2	-.1119282	.0918664	-1.22	0.228	-.2954523	.071596
BMIcat						
2	-.4622231	1.069946	-0.43	0.667	-2.599685	1.675239
3	-.2957655	1.076776	-0.27	0.784	-2.446872	1.855341
4	-.3243377	1.07428	-0.30	0.764	-2.470458	1.821783
5	-.4359644	1.04612	-0.42	0.678	-2.525829	1.6539
6	-.513956	1.07195	-0.48	0.633	-2.655421	1.627509
_cons	-.5224896	1.058137	-0.49	0.623	-2.63636	1.591381
lost_weigh~d						
fsWithHunger						
1	1.904688	.3360216	5.67	0.000	1.233408	2.575969
2	1.610493	.253295	6.36	0.000	1.104478	2.116508
Race						
1	1.309513	.2302877	5.69	0.000	.8494603	1.769565
2	.4635126	.2558916	1.81	0.075	-.0476896	.9747148
3	.0000266	.335585	0.00	1.000	-.6703814	.6704347
fsWithHunger#						
Race						
1 1	-.8562732	.5266622	-1.63	0.109	-1.908402	.1958555
1 2	-.3865323	.44493	-0.87	0.388	-1.275382	.5023176
1 3	.1714235	.8476082	0.20	0.840	-1.521868	1.864715
2 1	-.7778795	.3420149	-2.27	0.026	-1.461133	-.0946262
2 2	-1.105607	.2899286	-3.81	0.000	-1.684806	-.5264083
2 3	-.7327889	.4785896	-1.53	0.131	-1.688881	.2233037
1.Male	.9789199	.2081591	4.70	0.000	.5630742	1.394766
fsWithHunger#						
Male						
1 1	-.1848046	.528584	-0.35	0.728	-1.240772	.8711634
2 1	-.4000729	.4013482	-1.00	0.323	-1.201858	.4017122
Race#Male						
1 1	-.2973028	.3274719	-0.91	0.367	-.9515031	.3568975
2 1	-.1742524	.3096169	-0.56	0.576	-.7927832	.4442784
3 1	.0304908	.456733	0.07	0.947	-.8819382	.9429198
fsWithHunger#						
Race#Male						
1 1 1	-.5004182	.7616308	-0.66	0.514	-2.021951	1.021114
1 2 1	-1.142685	.6859342	-1.67	0.101	-2.512996	.227626
1 3 1	-.5315252	1.518439	-0.35	0.727	-3.564955	2.501905
2 1 1	-.2722347	.5545787	-0.49	0.625	-1.380133	.8356635
2 2 1	.1655925	.5323205	0.31	0.757	-.8978399	1.229025
2 3 1	-.1448462	.5331368	-0.27	0.787	-1.209909	.920217
age4						
2	.0922338	.1491173	0.62	0.538	-.2056622	.3901297
3	.2803938	.1680125	1.67	0.100	-.0552497	.6160373
4	.3350591	.1542651	2.17	0.034	.0268792	.643239
edu						
1	-.4482372	.1320055	-3.40	0.001	-.7119485	-.184526
2	-1.109576	.1328122	-8.35	0.000	-1.374899	-.8442531

BMIcat						
2	-2.975757	.6901823	-4.31	0.000	-4.354554	-1.596959
3	-4.097364	.6811525	-6.02	0.000	-5.458122	-2.736605
4	-4.620544	.7136132	-6.47	0.000	-6.046151	-3.194938
5	-4.866677	.6875706	-7.08	0.000	-6.240258	-3.493097
6	-5.541484	.6808125	-8.14	0.000	-6.901564	-4.181405
_cons	1.451749	.6761468	2.15	0.036	.1009908	2.802508
<b>tried_to_1~</b>	(base outcome)					
<b>tried_to_n~n</b>						
fsWithHunger						
1	.2173345	.3251299	0.67	0.506	-.4321871	.8668561
2	.0673187	.2099288	0.32	0.750	-.3520623	.4866998
Race						
1	-.1787975	.2471909	-0.72	0.472	-.672618	.315023
2	.0285032	.1693781	0.17	0.867	-.3098685	.3668749
3	-.4039608	.2522545	-1.60	0.114	-.9078971	.0999754
fsWithHunger#						
Race						
1 1	.1550637	.6111308	0.25	0.801	-1.06581	1.375938
1 2	-.2167311	.5032264	-0.43	0.668	-1.222041	.7885792
1 3	.9773145	.6732819	1.45	0.152	-.3677207	2.32235
2 1	.4296569	.3749496	1.15	0.256	-.3193911	1.178705
2 2	-.3457221	.3342916	-1.03	0.305	-1.013546	.3221022
2 3	.0493674	.4836514	0.10	0.919	-.9168375	1.015572
1.Male	.7576737	.1361951	5.56	0.000	.4855927	1.029755
fsWithHunger#						
Male						
1 1	-.4544738	.6160513	-0.74	0.463	-1.685178	.7762301
2 1	.0252453	.3204417	0.08	0.937	-.6149107	.6654012
Race#Male						
1 1	-.2033401	.2917393	-0.70	0.488	-.7861565	.3794762
2 1	-.1286018	.2020239	-0.64	0.527	-.5321909	.2749874
3 1	-.2172667	.3663867	-0.59	0.555	-.9492082	.5146748
fsWithHunger#						
Race#Male						
1 1 1	.9022872	.9147558	0.99	0.328	-.9251477	2.729722
1 2 1	.4729074	.7402444	0.64	0.525	-1.005901	1.951716
1 3 1	.0273749	1.399615	0.02	0.984	-.2768678	2.823428
2 1 1	.0929001	.5192113	0.18	0.859	-.9443437	1.130144
2 2 1	.092174	.5451432	0.17	0.866	-.9968748	1.181223
2 3 1	.2244309	.7533049	0.30	0.767	-1.280469	1.72933
age4						
2	.0002866	.1221526	0.00	0.998	-.2437413	.2443146
3	.0869489	.12108	0.72	0.475	-.1549363	.3288341
4	.2397551	.1115627	2.15	0.035	.016883	.4626272
edu						
1	-.1908669	.1522656	-1.25	0.215	-.4950523	.1133185
2	.1573196	.1194553	1.32	0.193	-.0813197	.3959589
BMIcat						
2	-2.094785	.7185728	-2.92	0.005	-3.530299	-.6592708
3	-3.0032	.7080643	-4.24	0.000	-4.417721	-1.588679
4	-3.324222	.7273414	-4.57	0.000	-4.777253	-1.87119
5	-3.971762	.7331846	-5.42	0.000	-5.436467	-2.507058
6	-4.107973	.7491481	-5.48	0.000	-5.604569	-2.611378
_cons	.9818778	.7310422	1.34	0.184	-.4785469	2.442303

```

94 .
end of do-file

95 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

96 . svy: mlogit likeTo i.fsWithHunger
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>19,208</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>262,163,917</b>
			Design df	=	<b>64</b>
			F( <b>4</b> , <b>61</b> )	=	<b>22.50</b>
			Prob > F	=	<b>0.0000</b>

likeTo	Linearized					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>like_to_we~e</b>						
fsWithHunger						
1	.1609745	.0874465	1.84	0.070	-.0137199	.3356689
2	.0414751	.0599314	0.69	0.491	-.0782517	.161202
_cons	<b>-.9131514</b>	<b>.0358857</b>	<b>-25.45</b>	<b>0.000</b>	<b>-.9848414</b>	<b>-.8414614</b>
<b>like_to_we~s</b>						
	(base outcome)					
<b>like_to_we~e</b>						
fsWithHunger						
1	1.097178	.1243578	8.82	0.000	.8487452	1.345612
2	.6398232	.0873973	7.32	0.000	.4652271	.8144193
_cons	<b>-2.48635</b>	<b>.0496254</b>	<b>-50.10</b>	<b>0.000</b>	<b>-2.585488</b>	<b>-2.387211</b>

```

97 . mlogtest, wald

```

#### Wald tests for independent variables (N=19208)

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>39.223</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.fsWithHunger	<b>27.315</b>	<b>2</b>	<b>2</b>	<b>0.000</b>

```

98 . listcoef, help
note: pweights are treated as aweights to compute standard deviations

```

mlogit (N=19208): Factor change in the odds of likeTo

Variable: 1.fsWithHunger (sd=.)

	b	t	P> t	e^b	e^bStdX
like to weig vs like to weig	<b>0.1610</b>	<b>1.841</b>	<b>0.070</b>	<b>1.175</b>	.
like to weig vs like to weig	<b>-0.9362</b>	<b>-7.535</b>	<b>0.000</b>	<b>0.392</b>	.
like to weig vs like to weig	<b>-0.1610</b>	<b>-1.841</b>	<b>0.070</b>	<b>0.851</b>	.
like to weig vs like to weig	<b>-1.0972</b>	<b>-8.823</b>	<b>0.000</b>	<b>0.334</b>	.
like to weig vs like to weig	<b>0.9362</b>	<b>7.535</b>	<b>0.000</b>	<b>2.550</b>	.
like to weig vs like to weig	<b>1.0972</b>	<b>8.823</b>	<b>0.000</b>	<b>2.996</b>	.

**Variable: 2.fsWithHunger (sd=.)**

	b	t	P> t	e^b	e^bStdX
like to weig vs like to weig	0.0415	0.692	0.491	1.042	.
like to weig vs like to weig	-0.5983	-6.551	0.000	0.550	.
like to weig vs like to weig	-0.0415	-0.692	0.491	0.959	.
like to weig vs like to weig	-0.6398	-7.321	0.000	0.527	.
like to weig vs like to weig	0.5983	6.551	0.000	1.819	.
like to weig vs like to weig	0.6398	7.321	0.000	1.896	.

b = raw coefficient

t = t-score for test of b=0

P>|t| = p-value for t-test

e^b = exp(b) = factor change in odds for unit increase in X

e^bStdX = exp(b\*SD of X) = change in odds for SD increase in X

99.  
end of do-file

100. do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

101. tab likeTo

likeTo	Freq.	Percent	Cum.
like to weigh same	5,711	29.38	29.38
like to weigh less	12,117	62.34	91.72
like to weigh more	1,610	8.28	100.00
Total	19,438	100.00	

102.  
end of do-file

103. do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

104. //base model  
105. svy: mlogit likeToWeigh i.fsWithHunger  
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	60	Number of obs	=	19,208
Number of PSUs	=	124	Population size	=	262,163,917
			Design df	=	64
			F( 4, 61)	=	22.50
			Prob > F	=	0.0000

likeToWeigh~	Linearized					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>Same</b> fsWithHunger						
1	.1609745	.0874465	1.84	0.070	-.0137199	.3356689
2	.0414751	.0599314	0.69	0.491	-.0782517	.161202
_cons	-.9131514	.0358857	-25.45	0.000	-.9848414	-.8414614
<b>Less</b>	(base outcome)					
<b>More</b> fsWithHunger						
1	1.097178	.1243578	8.82	0.000	.8487452	1.345612
2	.6398232	.0873973	7.32	0.000	.4652271	.8144193
_cons	-2.48635	.0496254	-50.10	0.000	-2.585488	-2.387211

```

106 .
    end of do-file

107 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

108 . //base model
109 . svy: mlogit likeToWeigh i.fsWithHunger, rrr baseoutcome(Same)
    (running mlogit on estimation sample)
option baseoutcome() incorrectly specified
an error occurred when svy executed mlogit
r(198);

    end of do-file

r(198);

110 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

111 . //base model
112 . svy: mlogit likeToWeigh i.fsWithHunger, rrr baseoutcome('Same')
    (running mlogit on estimation sample)
option baseoutcome() incorrectly specified
an error occurred when svy executed mlogit
r(198);

    end of do-file

r(198);

113 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

114 . //base model
115 . svy: mlogit likeToWeigh i.fsWithHunger, rrr baseoutcome(2)
    (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>19,208</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>262,163,917</b>
			Design df	=	<b>64</b>
			F( <b>4</b> , <b>61</b> )	=	<b>22.50</b>
			Prob > F	=	<b>0.0000</b>

likeToWeig~t	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>Same</b> fsWithHunger						
1	<b>1.174655</b>	.1027194	<b>1.84</b>	<b>0.070</b>	.9863738	<b>1.398876</b>
2	<b>1.042347</b>	.0624694	<b>0.69</b>	<b>0.491</b>	.9247317	<b>1.174922</b>
_cons	<b>.4012577</b>	.0143994	<b>-25.45</b>	<b>0.000</b>	.3734985	<b>.4310801</b>
<b>Less</b>	(base outcome)					
<b>More</b> fsWithHunger						
1	<b>2.995702</b>	.3725389	<b>8.82</b>	<b>0.000</b>	<b>2.336713</b>	<b>3.840535</b>
2	<b>1.896146</b>	.1657179	<b>7.32</b>	<b>0.000</b>	<b>1.592376</b>	<b>2.257864</b>
_cons	<b>.0832132</b>	.0041295	<b>-50.10</b>	<b>0.000</b>	.0753593	<b>.0918856</b>

Note: **\_cons** estimates baseline relative risk for each outcome.

```
116 .
end of do-file

117 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

118 . svy: mlogit likeToWeigh i.fsWithHunger, rrr baseoutcome(1)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>19,208</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>262,163,917</b>
			Design df	=	<b>64</b>
			F( <b>4</b> , <b>61</b> )	=	<b>22.50</b>
			Prob > F	=	<b>0.0000</b>

likeToWeig~t	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>Same</b>	(base outcome)					
<b>Less</b>						
fsWithHunger						
1	<b>.8513138</b>	<b>.0744444</b>	<b>-1.84</b>	<b>0.070</b>	<b>.7148598</b>	<b>1.013814</b>
2	<b>.9593732</b>	<b>.0574966</b>	<b>-0.69</b>	<b>0.491</b>	<b>.8511202</b>	<b>1.081395</b>
_cons	<b>2.492164</b>	<b>.0894331</b>	<b>25.45</b>	<b>0.000</b>	<b>2.319755</b>	<b>2.677387</b>
<b>More</b>						
fsWithHunger						
1	<b>2.550282</b>	<b>.3168561</b>	<b>7.54</b>	<b>0.000</b>	<b>1.98973</b>	<b>3.268755</b>
2	<b>1.819111</b>	<b>.1661501</b>	<b>6.55</b>	<b>0.000</b>	<b>1.51571</b>	<b>2.183245</b>
_cons	<b>.2073809</b>	<b>.0105766</b>	<b>-30.85</b>	<b>0.000</b>	<b>.1872924</b>	<b>.229624</b>

Note: **\_cons** estimates baseline relative risk for each outcome.

```
119 .
end of do-file

120 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

121 . svy: mlogit likeToWeigh i.fsWithHunger i.age4 i.edu i.Race, rrr baseoutcome(1)
>
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>14,524</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>212,032,351</b>
			Design df	=	<b>64</b>
			F( <b>20</b> , <b>45</b> )	=	<b>28.81</b>
			Prob > F	=	<b>0.0000</b>

likeToWeig~t	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>Same</b>	(base outcome)					
<b>Less</b>						
fsWithHunger						
1	<b>1.05839</b>	<b>.0897752</b>	<b>0.67</b>	<b>0.506</b>	<b>.8934154</b>	<b>1.253828</b>
2	<b>1.176868</b>	<b>.0884994</b>	<b>2.17</b>	<b>0.034</b>	<b>1.01271</b>	<b>1.367637</b>
age4						
2	<b>1.391683</b>	<b>.0823173</b>	<b>5.59</b>	<b>0.000</b>	<b>1.236579</b>	<b>1.566241</b>
3	<b>1.667602</b>	<b>.1312405</b>	<b>6.50</b>	<b>0.000</b>	<b>1.42499</b>	<b>1.951519</b>
4	<b>1.66438</b>	<b>.1234543</b>	<b>6.87</b>	<b>0.000</b>	<b>1.435154</b>	<b>1.930218</b>
edu						

	1	<b>1.549386</b>	.1135484	5.97	0.000	1.33837	<b>1.793671</b>
	2	<b>1.821724</b>	.1057119	10.34	0.000	1.622322	<b>2.045636</b>
Race							
1		<b>.8720748</b>	.0526756	-2.27	0.027	.7729444	<b>.9839187</b>
2		<b>.9881105</b>	.0525013	-0.23	0.823	.8886018	<b>1.098763</b>
3		<b>.6078948</b>	.0449203	-6.74	0.000	.5244656	<b>.7045955</b>
_cons		<b>1.128833</b>	.0827928	1.65	0.103	.9749821	<b>1.306962</b>
<b>More</b>							
fsWithHunger							
1		<b>2.289324</b>	<b>.3145201</b>	<b>6.03</b>	<b>0.000</b>	<b>1.739847</b>	<b>3.012336</b>
2		<b>1.653038</b>	<b>.1498384</b>	<b>5.54</b>	<b>0.000</b>	<b>1.37924</b>	<b>1.98119</b>
age4							
2		<b>.57219</b>	.0661973	-4.83	0.000	.4541155	.7209651
3		<b>.5415138</b>	.0695822	-4.77	0.000	.4189153	.6999916
4		<b>.4112145</b>	.0505577	-7.23	0.000	.3216615	.5256999
edu							
1		<b>1.209363</b>	<b>.1270404</b>	<b>1.81</b>	<b>0.075</b>	<b>.9804315</b>	<b>1.49175</b>
2		<b>.9072926</b>	<b>.1166071</b>	<b>-0.76</b>	<b>0.452</b>	<b>.701845</b>	<b>1.17288</b>
Race							
1		<b>1.866025</b>	<b>.1698165</b>	<b>6.85</b>	<b>0.000</b>	<b>1.555829</b>	<b>2.238068</b>
2		<b>.773355</b>	<b>.0824478</b>	<b>-2.41</b>	<b>0.019</b>	<b>.6250047</b>	<b>.9569175</b>
3		<b>1.05007</b>	<b>.1536572</b>	<b>0.33</b>	<b>0.740</b>	<b>.7839012</b>	<b>1.406614</b>
_cons		<b>.3067293</b>	<b>.0431884</b>	<b>-8.39</b>	<b>0.000</b>	<b>.231523</b>	<b>.4063651</b>

Note: **\_cons** estimates baseline relative risk for each outcome.

```

122 .
    end of do-file

123 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
124 . mlogtest, wald

```

#### **Wald tests for independent variables (N=14524)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>18.166</b>	2	2	0.000
2.fsWithHunger	<b>15.340</b>	2	2	0.000
2.age4	<b>31.853</b>	2	2	0.000
3.age4	<b>58.277</b>	2	2	0.000
4.age4	<b>68.938</b>	2	2	0.000
1.edu	<b>17.597</b>	2	2	0.000
2.edu	<b>59.083</b>	2	2	0.000
1.Race	<b>37.909</b>	2	2	0.000
2.Race	<b>3.090</b>	2	2	0.052
3.Race	<b>24.106</b>	2	2	0.000

```

125 .
    end of do-file

```

```
126 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
127 . listcoef, help
  note: pweights are treated as aweights to compute standard deviations
mlogit (N=14524): Factor change in the odds of likeToWeighFact
```

**Variable: 1.fsWithHunger (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	-0.0567	-0.669	0.506	0.945	.
Same	vs More	-0.8283	-6.029	0.000	0.437	.
Less	vs Same	0.0567	0.669	0.506	1.058	.
Less	vs More	-0.7715	-5.367	0.000	0.462	.
More	vs Same	0.8283	6.029	0.000	2.289	.
More	vs Less	0.7715	5.367	0.000	2.163	.

**Variable: 2.fsWithHunger (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	-0.1629	-2.166	0.034	0.850	.
Same	vs More	-0.5026	-5.545	0.000	0.605	.
Less	vs Same	0.1629	2.166	0.034	1.177	.
Less	vs More	-0.3398	-3.384	0.001	0.712	.
More	vs Same	0.5026	5.545	0.000	1.653	.
More	vs Less	0.3398	3.384	0.001	1.405	.

**Variable: 2.age4 (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	-0.3305	-5.588	0.000	0.719	.
Same	vs More	0.5583	4.826	0.000	1.748	.
Less	vs Same	0.3305	5.588	0.000	1.392	.
Less	vs More	0.8888	7.329	0.000	2.432	.
More	vs Same	-0.5583	-4.826	0.000	0.572	.
More	vs Less	-0.8888	-7.329	0.000	0.411	.

**Variable: 3.age4 (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	-0.5114	-6.498	0.000	0.600	.
Same	vs More	0.6134	4.774	0.000	1.847	.
Less	vs Same	0.5114	6.498	0.000	1.668	.
Less	vs More	1.1248	9.708	0.000	3.080	.
More	vs Same	-0.6134	-4.774	0.000	0.542	.
More	vs Less	-1.1248	-9.708	0.000	0.325	.

**Variable: 4.age4 (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	-0.5095	-6.868	0.000	0.601	.
Same	vs More	0.8886	7.228	0.000	2.432	.
Less	vs Same	0.5095	6.868	0.000	1.664	.
Less	vs More	1.3981	11.295	0.000	4.047	.
More	vs Same	-0.8886	-7.228	0.000	0.411	.
More	vs Less	-1.3981	-11.295	0.000	0.247	.

**Variable: 1.edu (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	-0.4379	-5.975	0.000	0.645	.
Same	vs More	-0.1901	-1.810	0.075	0.827	.
Less	vs Same	0.4379	5.975	0.000	1.549	.
Less	vs More	0.2478	2.231	0.029	1.281	.
More	vs Same	0.1901	1.810	0.075	1.209	.
More	vs Less	-0.2478	-2.231	0.029	0.781	.

**Variable: 2.edu (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	-0.5998	-10.336	0.000	0.549	.
Same	vs More	0.0973	0.757	0.452	1.102	.
Less	vs Same	0.5998	10.336	0.000	1.822	.
Less	vs More	0.6971	5.524	0.000	2.008	.
More	vs Same	-0.0973	-0.757	0.452	0.907	.
More	vs Less	-0.6971	-5.524	0.000	0.498	.

**Variable: 1.Race (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	0.1369	2.266	0.027	1.147	.
Same	vs More	-0.6238	-6.855	0.000	0.536	.
Less	vs Same	-0.1369	-2.266	0.027	0.872	.
Less	vs More	-0.7607	-8.775	0.000	0.467	.
More	vs Same	0.6238	6.855	0.000	1.866	.
More	vs Less	0.7607	8.775	0.000	2.140	.

**Variable: 2.Race (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	0.0120	0.225	0.823	1.012	.
Same	vs More	0.2570	2.411	0.019	1.293	.
Less	vs Same	-0.0120	-0.225	0.823	0.988	.
Less	vs More	0.2451	2.434	0.018	1.278	.
More	vs Same	-0.2570	-2.411	0.019	0.773	.
More	vs Less	-0.2451	-2.434	0.018	0.783	.

**Variable: 3.Race (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	0.4978	6.736	0.000	1.645	.
Same	vs More	-0.0489	-0.334	0.740	0.952	.
Less	vs Same	-0.4978	-6.736	0.000	0.608	.
Less	vs More	-0.5466	-3.685	0.000	0.579	.
More	vs Same	0.0489	0.334	0.740	1.050	.
More	vs Less	0.5466	3.685	0.000	1.727	.

b = raw coefficient

t = t-score for test of b=0

P&gt;|t| = p-value for t-test

e^b = exp(b) = factor change in odds for unit increase in X

e^bStdX = exp(b\*SD of X) = change in odds for SD increase in X

```

128 .
end of do-file

129 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

130 . //adjust for confounders, male not race, except BMICat
131 . svy: mlogit likeToWeigh i.fsWithHunger i.age4 i.edu i.Male, rrr baseoutcome(1
> )
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata      =       60
Number of PSUs        =      124
Number of obs          =    14,524
Population size        =  212,032,351
Design df              =       64
F(  16,      49)       =     43.93
Prob > F               =    0.0000

```

likeToWeig~t	Linearized							
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]			
<b>Same</b>	(base outcome)							
<b>Less</b>								
fsWithHunger								
1	1.020771	.0836736	0.25	0.803	.8665825	1.202393		
2	1.120335	.0871724	1.46	0.149	.9590484	1.308746		
age4								
2	1.417604	.0881486	5.61	0.000	1.252005	1.605106		
3	1.696987	.1354782	6.62	0.000	1.446818	1.990413		
4	1.716793	.1297066	7.15	0.000	1.476281	1.996488		
edu								
1	1.583588	.1136193	6.41	0.000	1.372124	1.827641		
2	1.734983	.1035421	9.23	0.000	1.539989	1.954668		
1.Male	.48191	.0228086	-15.42	0.000	.4384325	.529699		
_cons	1.575757	.1257717	5.70	0.000	1.343507	1.848155		
<b>More</b>								
fsWithHunger								
1	2.478766	.3247234	6.93	0.000	1.907997	3.220278		
2	1.759912	.1586979	6.27	0.000	1.469792	2.107298		
age4								
2	.5648236	.0643099	-5.02	0.000	.4499134	.7090825		
3	.5437438	.0701116	-4.73	0.000	.4202653	.7035016		
4	.4179417	.0522098	-6.98	0.000	.3256368	.5364111		
edu								
1	1.261728	.133215	2.20	0.031	1.021794	1.558004		
2	1.001272	.1264607	0.01	0.992	.7779892	1.288636		
1.Male	2.058685	.1993859	7.46	0.000	1.69653	2.498148		
_cons	.1845092	.0272073	-11.46	0.000	.1374306	.2477152		

Note: `_cons` estimates baseline relative risk for each outcome.

```

132 .
end of do-file

133 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
134 . mlogtest, wald

```

**Wald tests for independent variables (N=14524)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>25.754</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.fsWithHunger	<b>19.429</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.age4	<b>34.659</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
3.age4	<b>63.105</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
4.age4	<b>64.526</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.edu	<b>20.472</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.edu	<b>43.856</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.Male	<b>215.235</b>	<b>2</b>	<b>2</b>	<b>0.000</b>

```

135 .
end of do-file

136 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

137 . listcoef, help
note: pweights are treated as aweights to compute standard deviations

mlogit (N=14524): Factor change in the odds of likeToWeighFact

```

**Variable: 1.fsWithHunger (sd=.)**

	b	t	P> t	e^b	e^bStdX
Same vs Less	-0.0206	-0.251	0.803	0.980	.
Same vs More	-0.9078	-6.929	0.000	0.403	.
Less vs Same	0.0206	0.251	0.803	1.021	.
Less vs More	-0.8872	-6.803	0.000	0.412	.
More vs Same	0.9078	6.929	0.000	2.479	.
More vs Less	0.8872	6.803	0.000	2.428	.

**Variable: 2.fsWithHunger (sd=.)**

	b	t	P> t	e^b	e^bStdX
Same vs Less	-0.1136	-1.460	0.149	0.893	.
Same vs More	-0.5653	-6.269	0.000	0.568	.
Less vs Same	0.1136	1.460	0.149	1.120	.
Less vs More	-0.4516	-4.514	0.000	0.637	.
More vs Same	0.5653	6.269	0.000	1.760	.
More vs Less	0.4516	4.514	0.000	1.571	.

**Variable: 2.age4 (sd=.)**

	b	t	P> t	e^b	e^bStdX
Same vs Less	-0.3490	-5.612	0.000	0.705	.
Same vs More	0.5712	5.017	0.000	1.770	.
Less vs Same	0.3490	5.612	0.000	1.418	.
Less vs More	0.9202	7.762	0.000	2.510	.
More vs Same	-0.5712	-5.017	0.000	0.565	.
More vs Less	-0.9202	-7.762	0.000	0.398	.

**Variable: 3.age4 (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	-0.5289	-6.624	0.000	0.589	.
Same	vs More	0.6093	4.725	0.000	1.839	.
Less	vs Same	0.5289	6.624	0.000	1.697	.
Less	vs More	1.1381	10.039	0.000	3.121	.
More	vs Same	-0.6093	-4.725	0.000	0.544	.
More	vs Less	-1.1381	-10.039	0.000	0.320	.

**Variable: 4.age4 (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	-0.5405	-7.153	0.000	0.582	.
Same	vs More	0.8724	6.984	0.000	2.393	.
Less	vs Same	0.5405	7.153	0.000	1.717	.
Less	vs More	1.4129	10.892	0.000	4.108	.
More	vs Same	-0.8724	-6.984	0.000	0.418	.
More	vs Less	-1.4129	-10.892	0.000	0.243	.

**Variable: 1.edu (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	-0.4597	-6.407	0.000	0.631	.
Same	vs More	-0.2325	-2.202	0.031	0.793	.
Less	vs Same	0.4597	6.407	0.000	1.584	.
Less	vs More	0.2272	2.009	0.049	1.255	.
More	vs Same	0.2325	2.202	0.031	1.262	.
More	vs Less	-0.2272	-2.009	0.049	0.797	.

**Variable: 2.edu (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	-0.5510	-9.233	0.000	0.576	.
Same	vs More	-0.0013	-0.010	0.992	0.999	.
Less	vs Same	0.5510	9.233	0.000	1.735	.
Less	vs More	0.5497	4.298	0.000	1.733	.
More	vs Same	0.0013	0.010	0.992	1.001	.
More	vs Less	-0.5497	-4.298	0.000	0.577	.

**Variable: 1.Male (sd=.)**

		b	t	P> t	e^b	e^bStdX
Same	vs Less	0.7300	15.424	0.000	2.075	.
Same	vs More	-0.7221	-7.455	0.000	0.486	.
Less	vs Same	-0.7300	-15.424	0.000	0.482	.
Less	vs More	-1.4521	-15.990	0.000	0.234	.
More	vs Same	0.7221	7.455	0.000	2.059	.
More	vs Less	1.4521	15.990	0.000	4.272	.

b = raw coefficient

t = t-score for test of b=0

P&gt;|t| = p-value for t-test

e^b = exp(b) = factor change in odds for unit increase in X

e^bStdX = exp(b\*SD of X) = change in odds for SD increase in X

```

138 .
  end of do-file

139 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
140 .
141 . //add BMICat
142 . svy: mlogit likeToWeigh i.fsWithHunger i.age4 i.edu i.Race i.BMICat
  (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>14,390</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>210,379,136</b>
			Design df	=	<b>64</b>
			F( <b>30</b> , <b>35</b> )	=	<b>75.58</b>
			Prob > F	=	<b>0.0000</b>

likeToWeig~t	Linearized					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>Same</b>						
fsWithHunger						
1	.1948965	.1095087	1.78	0.080	-.0238723	.4136653
2	.0308885	.0872727	0.35	0.725	-.1434589	.2052358
age4						
2	-.1449054	.0684046	-2.12	0.038	-.2815593	-.0082516
3	-.3189884	.0841714	-3.79	0.000	-.4871402	-.1508366
4	-.2454531	.0803827	-3.05	0.003	-.406036	-.0848701
edu						
1	-.4520396	.0897677	-5.04	0.000	-.6313711	-.2727081
2	-.8761477	.089867	-9.75	0.000	-1.055678	-.6966177
Race						
1	.8195473	.0827854	9.90	0.000	.6541643	.9849302
2	.3219851	.0625434	5.15	0.000	.1970402	.4469299
3	.1565439	.0855361	1.83	0.072	-.0143341	.3274219
BMICat						
2	-4.070567	.6946318	-5.86	0.000	-5.458253	-2.68288
3	-5.525502	.6817211	-8.11	0.000	-6.887397	-4.163608
4	-6.959929	.6595261	-10.55	0.000	-8.277484	-5.642374
5	-8.39837	.6474269	-12.97	0.000	-9.691754	-7.104986
6	-8.771404	.7401702	-11.85	0.000	-10.25006	-7.292744
_cons	<b>5.224443</b>	<b>.6867455</b>	<b>7.61</b>	<b>0.000</b>	<b>3.852511</b>	<b>6.596375</b>
<b>Less</b>	(base outcome)					
<b>More</b>						
fsWithHunger						
1	<b>1.059765</b>	<b>.1850431</b>	<b>5.73</b>	<b>0.000</b>	<b>.6900992</b>	<b>1.429432</b>
2	<b>.5683633</b>	<b>.1144398</b>	<b>4.97</b>	<b>0.000</b>	<b>.3397435</b>	<b>.7969831</b>
age4						
2	-.5352029	.1359152	-3.94	0.000	-.8067248	-.2636811
3	-.7942028	.1332881	-5.96	0.000	-1.060476	-.5279293
4	-.9965678	.1303617	-7.64	0.000	-1.256995	-.7361403
edu						
1	-.2706071	.1285812	-2.10	0.039	-.5274777	-.0137366
2	-1.036607	.1539909	-6.73	0.000	-1.344239	-.7289749
Race						
1	<b>1.779941</b>	<b>.1124645</b>	<b>15.83</b>	<b>0.000</b>	<b>1.555267</b>	<b>2.004615</b>
2	<b>.4315084</b>	<b>.1057229</b>	<b>4.08</b>	<b>0.000</b>	<b>.2203025</b>	<b>.6427142</b>
3	<b>.1396702</b>	<b>.151953</b>	<b>0.92</b>	<b>0.361</b>	<b>-.1638909</b>	<b>.4432313</b>
BMICat						

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2	-5.338298	.7247026	-7.37	0.000	-6.786058	-3.890538
3	-8.321472	.7127941	-11.67	0.000	-9.745442	-6.897502
4	-10.39284	.7573487	-13.72	0.000	-11.90582	-8.879867
5	-11.59465	.9038097	-12.83	0.000	-13.40021	-9.789079
6	-11.73955	.9115155	-12.88	0.000	-13.56051	-9.918587
_cons	5.469493	.7005389	7.81	0.000	4.070006	6.868981

143 . mlogtest, wald

**Wald tests for independent variables (N=14390)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	18.526	2	2	0.000
2.fsWithHunger	17.469	2	2	0.000
2.age4	7.730	2	2	0.001
3.age4	19.425	2	2	0.000
4.age4	28.934	2	2	0.000
1.edu	13.190	2	2	0.000
2.edu	47.258	2	2	0.000
1.Race	124.483	2	2	0.000
2.Race	15.908	2	2	0.000
3.Race	1.732	2	2	0.185
2.BMICat	39.332	2	2	0.000
3.BMICat	132.815	2	2	0.000
4.BMICat	102.895	2	2	0.000
5.BMICat	91.926	2	2	0.000
6.BMICat	89.665	2	2	0.000

144 .  
end of do-file

145 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

146 . //add BMICat  
147 . svy: mlogit likeToWeigh i.fsWithHunger i.age4 i.edu i.Race i.BMICat, rrr base  
> outcome(1)  
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	60	Number of obs	=	14,390
Number of PSUs	=	124	Population size	=	210,379,136
			Design df	=	64
			F( 30, 35)	=	75.58
			Prob > F	=	0.0000

likeToWeigt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>Same</b>	(base outcome)					
<b>Less</b>						
fsWithHunger						
1	.8229199	.0901169	-1.78	0.080	.6612223	1.02416
2	.9695837	.0846182	-0.35	0.725	.8144553	1.154259
age4						
2	1.15593	.0790709	2.12	0.038	1.008286	1.325195
3	1.375735	.1157976	3.79	0.000	1.162807	1.627655
4	1.2782	.1027452	3.05	0.003	1.088576	1.500857
edu						
1	1.571514	.1410712	5.04	0.000	1.313517	1.880187
2	2.40163	.2158273	9.75	0.000	2.006953	2.873922
Race						

	1	.4406311	.0364778	-9.90	0.000	.3734653	.5198763
	2	.724709	.0453258	-5.15	0.000	.6395888	.8211576
	3	.855094	.0731414	-1.83	0.072	.7207796	1.014437
	BMIcat						
	2	58.59015	40.69858	5.86	0.000	14.62716	234.6871
	3	251.0124	171.1204	8.11	0.000	64.30309	979.8472
	4	1053.558	694.8493	10.55	0.000	282.1317	3934.281
	5	4439.824	2874.462	12.97	0.000	1218.025	16183.6
	6	6447.217	4772.038	11.85	0.000	1469.598	28284.35
	_cons	.0053834	.003697	-7.61	0.000	.0013653	.0212264
<b>More</b>							
fsWithHunger							
	1	2.374695	.3469897	5.92	0.000	1.773511	3.179667
	2	1.711679	.1597546	5.76	0.000	1.420519	2.062517
	age4						
	2	.6768555	.0830296	-3.18	0.002	.5297457	.8648175
	3	.6217517	.0826765	-3.57	0.001	.476704	.8109335
	4	.4718403	.0608098	-5.83	0.000	.3647373	.6103935
	edu						
	1	1.198934	.1232731	1.76	0.082	.976313	1.472316
	2	.8517524	.1039281	-1.32	0.193	.6675	1.086865
	Race						
	1	2.612725	.2532542	9.91	0.000	2.152762	3.170964
	2	1.115746	.1137668	1.07	0.287	.9101236	1.367824
	3	.9832679	.1490026	-0.11	0.912	.7264352	1.330904
	BMIcat						
	2	.2814693	.0512093	-6.97	0.000	.1956965	.404836
	3	.0610557	.0117986	-14.47	0.000	.0415019	.0898222
	4	.0322926	.0102847	-10.78	0.000	.0170917	.061013
	5	.0409143	.0231547	-5.65	0.000	.013209	.1267301
	6	.0513986	.0341507	-4.47	0.000	.0136298	.1938257
	_cons	1.277686	.2501635	1.25	0.215	.8640769	1.889277

Note: \_cons estimates baseline relative risk for each outcome.

```

148 .
end of do-file

149 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

150 . svy: mlogit likeToWeigh i.fsWithHunger i.age4 i.edu i.Male i.BMIcat, rrr base
> outcome(1)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata = 60	Number of obs = 14,390
Number of PSUs = 124	Population size = 210,379,136
	Design df = 64
	F( 26, 39) = 102.81
	Prob > F = 0.0000

likeToWeig~t	Linearized							
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]			
<b>Same</b>	(base outcome)							
<b>Less</b>								
fsWithHunger								
1	.7474817	.0838234	-2.60	0.012	.597457	.9351785		
2	.8138997	.0766723	-2.19	0.032	.6742788	.9824315		
age4								

	2	<b>1.16433</b>	<b>.0880598</b>	<b>2.01</b>	<b>0.048</b>	<b>1.001055</b>	<b>1.354235</b>
	3	<b>1.37615</b>	<b>.1160433</b>	<b>3.79</b>	<b>0.000</b>	<b>1.162802</b>	<b>1.628644</b>
	4	<b>1.344788</b>	<b>.106513</b>	<b>3.74</b>	<b>0.000</b>	<b>1.147984</b>	<b>1.57533</b>
	edu						
	1	<b>1.75835</b>	<b>.1627235</b>	<b>6.10</b>	<b>0.000</b>	<b>1.461552</b>	<b>2.115417</b>
	2	<b>2.567829</b>	<b>.2530781</b>	<b>9.57</b>	<b>0.000</b>	<b>2.108908</b>	<b>3.126617</b>
	1.Male	<b>.2515775</b>	<b>.0141978</b>	<b>-24.45</b>	<b>0.000</b>	<b>.2247545</b>	<b>.2816016</b>
	BMIcat						
	2	<b>83.74213</b>	<b>58.25976</b>	<b>6.36</b>	<b>0.000</b>	<b>20.86166</b>	<b>336.1547</b>
	3	<b>531.3226</b>	<b>365.3022</b>	<b>9.13</b>	<b>0.000</b>	<b>134.5402</b>	<b>2098.286</b>
	4	<b>2188.654</b>	<b>1464.322</b>	<b>11.50</b>	<b>0.000</b>	<b>575.051</b>	<b>8330.055</b>
	5	<b>7786.404</b>	<b>5133.187</b>	<b>13.59</b>	<b>0.000</b>	<b>2086.266</b>	<b>29060.58</b>
	6	<b>10003.79</b>	<b>7518.587</b>	<b>12.26</b>	<b>0.000</b>	<b>2228.93</b>	<b>44898.56</b>
	_cons	<b>.0050182</b>	<b>.0034416</b>	<b>-7.72</b>	<b>0.000</b>	<b>.001275</b>	<b>.0197502</b>
<b>More</b>							
fsWithHunger							
	1	<b>2.530074</b>	<b>.3533156</b>	<b>6.65</b>	<b>0.000</b>	<b>1.914148</b>	<b>3.344189</b>
	2	<b>1.86984</b>	<b>.1783345</b>	<b>6.56</b>	<b>0.000</b>	<b>1.545459</b>	<b>2.262306</b>
	age4						
	2	<b>.6950796</b>	<b>.0824776</b>	<b>-3.07</b>	<b>0.003</b>	<b>.5483849</b>	<b>.8810157</b>
	3	<b>.6712697</b>	<b>.0905224</b>	<b>-2.96</b>	<b>0.004</b>	<b>.5127417</b>	<b>.8788111</b>
	4	<b>.4783832</b>	<b>.061781</b>	<b>-5.71</b>	<b>0.000</b>	<b>.3695975</b>	<b>.6191885</b>
	edu						
	1	<b>1.210963</b>	<b>.1310889</b>	<b>1.77</b>	<b>0.082</b>	<b>.9754637</b>	<b>1.503316</b>
	2	<b>.898485</b>	<b>.1151457</b>	<b>-0.84</b>	<b>0.407</b>	<b>.6955411</b>	<b>1.160644</b>
	1.Male	<b>3.673123</b>	<b>.3759962</b>	<b>12.71</b>	<b>0.000</b>	<b>2.993809</b>	<b>4.506578</b>
	BMIcat						
	2	<b>.1734983</b>	<b>.0334111</b>	<b>-9.10</b>	<b>0.000</b>	<b>.1180913</b>	<b>.2549014</b>
	3	<b>.0316602</b>	<b>.0066936</b>	<b>-16.33</b>	<b>0.000</b>	<b>.0207532</b>	<b>.0482996</b>
	4	<b>.0184096</b>	<b>.0062064</b>	<b>-11.85</b>	<b>0.000</b>	<b>.0093875</b>	<b>.0361026</b>
	5	<b>.0259941</b>	<b>.0144263</b>	<b>-6.58</b>	<b>0.000</b>	<b>.0085777</b>	<b>.0787735</b>
	6	<b>.0376185</b>	<b>.0247547</b>	<b>-4.98</b>	<b>0.000</b>	<b>.0101036</b>	<b>.1400633</b>
	_cons	<b>.9545858</b>	<b>.1883511</b>	<b>-0.24</b>	<b>0.815</b>	<b>.6436156</b>	<b>1.415805</b>

Note: **\_cons** estimates baseline relative risk for each outcome.

151 . mlogtest, wald

#### Wald tests for independent variables (N=14390)

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>26.003</b>	2	2	<b>0.000</b>
2.fsWithHunger	<b>28.703</b>	2	2	<b>0.000</b>
2.age4	<b>6.972</b>	2	2	<b>0.002</b>
3.age4	<b>17.004</b>	2	2	<b>0.000</b>
4.age4	<b>29.745</b>	2	2	<b>0.000</b>
1.edu	<b>19.331</b>	2	2	<b>0.000</b>
2.edu	<b>45.140</b>	2	2	<b>0.000</b>
1.Male	<b>410.670</b>	2	2	<b>0.000</b>
2.BMICat	<b>58.119</b>	2	2	<b>0.000</b>
3.BMICat	<b>168.285</b>	2	2	<b>0.000</b>
4.BMICat	<b>122.719</b>	2	2	<b>0.000</b>
5.BMICat	<b>103.178</b>	2	2	<b>0.000</b>
6.BMICat	<b>97.067</b>	2	2	<b>0.000</b>

```

152 .
end of do-file

153 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

154 . //model including interaction with sex
155 . svy: mlogit doingWt i.fsWithHunger##i.Male i.age4 i.edu i.Race i.BMICat, rrr
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

	Number of strata	=	60		Number of obs	=	12,708
	Number of PSUs	=	124		Population size	=	186,710,447
					Design df	=	64
					F( 64, 1)	=	.
					Prob > F	=	.

doingWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
<b>doing_noth~g</b>						
fsWithHunger						
1	<b>1.505411</b>	.2744571	<b>2.24</b>	0.028	<b>1.045873</b>	<b>2.166861</b>
2	<b>1.21727</b>	.1104414	<b>2.17</b>	0.034	<b>1.015478</b>	<b>1.459162</b>
1.Male	<b>2.949702</b>	.2114827	<b>15.09</b>	0.000	<b>2.556078</b>	<b>3.403941</b>
fsWithHunger#						
Male						
1 1	<b>.8001255</b>	<b>.2202621</b>	<b>-0.81</b>	<b>0.421</b>	<b>.4616581</b>	<b>1.386742</b>
2 1	<b>.8711624</b>	<b>.124497</b>	<b>-0.97</b>	<b>0.338</b>	<b>.6548031</b>	<b>1.159011</b>
age4						
2	<b>1.133179</b>	.1081035	<b>1.31</b>	0.195	<b>.9365487</b>	<b>1.371091</b>
3	<b>1.171853</b>	.1131753	<b>1.64</b>	0.105	<b>.9662328</b>	<b>1.421231</b>
4	<b>1.242618</b>	.135686	<b>1.99</b>	0.051	<b>.9990811</b>	<b>1.545519</b>
edu						
1	<b>.5849114</b>	.0555225	<b>-5.65</b>	0.000	<b>.483875</b>	<b>.7070449</b>
2	<b>.3367032</b>	.034619	<b>-10.59</b>	0.000	<b>.2741841</b>	<b>.4134778</b>
Race						
1	<b>1.339539</b>	.1393786	<b>2.81</b>	0.007	<b>1.088131</b>	<b>1.649032</b>
2	<b>1.015061</b>	.1086126	<b>0.14</b>	0.889	<b>.8197056</b>	<b>1.256975</b>
3	<b>1.011968</b>	.1127703	<b>0.11</b>	0.915	<b>.8099977</b>	<b>1.264298</b>
BMICat						
2	<b>.0457936</b>	.0278819	<b>-5.06</b>	0.000	<b>.0135692</b>	<b>.1545443</b>
3	<b>.0147421</b>	.0087279	<b>-7.12</b>	0.000	<b>.0045175</b>	<b>.0481076</b>
4	<b>.009228</b>	.0056154	<b>-7.70</b>	0.000	<b>.0027362</b>	<b>.0311218</b>
5	<b>.0063899</b>	.0037015	<b>-8.72</b>	0.000	<b>.0020087</b>	<b>.0203271</b>
6	<b>.0045649</b>	.0028497	<b>-8.63</b>	0.000	<b>.0013116</b>	<b>.0158872</b>
_cons	<b>56.11726</b>	34.08381	<b>6.63</b>	0.000	<b>16.67794</b>	<b>188.8211</b>
<b>lost_weigh~1</b>						
fsWithHunger						
1	<b>1.671232</b>	.2943226	<b>2.92</b>	0.005	<b>1.175553</b>	<b>2.375917</b>
2	<b>1.25991</b>	.1666325	<b>1.75</b>	0.085	<b>.9673697</b>	<b>1.640916</b>
1.Male	<b>1.474492</b>	.1150688	<b>4.98</b>	0.000	<b>1.261639</b>	<b>1.723256</b>
fsWithHunger#						
Male						
1 1	<b>.7933681</b>	<b>.2140221</b>	<b>-0.86</b>	<b>0.394</b>	<b>.4628355</b>	<b>1.359949</b>
2 1	<b>.9283557</b>	<b>.1711116</b>	<b>-0.40</b>	<b>0.688</b>	<b>.6423926</b>	<b>1.341616</b>
age4						
2	<b>1.051832</b>	.0931086	<b>0.57</b>	0.570	<b>.8813442</b>	<b>1.255298</b>
3	<b>.975586</b>	.0946902	<b>-0.25</b>	0.800	<b>.8036301</b>	<b>1.184336</b>
4	<b>.9877948</b>	.1249915	<b>-0.10</b>	0.923	<b>.7671562</b>	<b>1.27189</b>

edu						
1	.8497681	.0984917	-1.40	0.165	.6741268	1.071172
2	.8948312	.0824798	-1.21	0.232	.7443395	1.07575
Race						
1	1.156777	.0966929	1.74	0.086	.9788773	1.367008
2	.8765858	.08086	-1.43	0.158	.7290597	1.053964
3	.5826251	.0800665	-3.93	0.000	.4427515	.7666875
BMIcat						
2	.6252459	.6684863	-0.44	0.662	.0738664	5.292428
3	.7382469	.7942239	-0.28	0.779	.0860624	6.332714
4	.7185974	.7713815	-0.31	0.759	.0841693	6.135045
5	.6424192	.6717219	-0.42	0.674	.0795502	5.187947
6	.5952773	.6375325	-0.48	0.630	.0700697	5.057179
_cons	.5953845	.6314438	-0.49	0.627	.0715564	4.953892
<b>lost_weight</b>						
fsWithHunger						
1	5.527842	1.324912	7.13	0.000	3.424592	8.922827
2	3.395914	.6076319	6.83	0.000	2.375288	4.855089
1.Male	2.538812	.364247	6.49	0.000	1.906137	3.381479
fsWithHunger#						
Male						
1 1	.568481	.2049248	-1.57	0.122	.2766715	1.168066
2 1	.6242572	.1514931	-1.94	0.057	.3844288	1.013704
age4						
2	1.098492	.1622622	0.64	0.527	.817787	1.475549
3	1.339549	.2249404	1.74	0.087	.9577863	1.873478
4	1.374499	.2098896	2.08	0.041	1.013116	1.864789
edu						
1	.6537276	.0856039	-3.25	0.002	.5032532	.8491944
2	.333258	.0444562	-8.24	0.000	.2552956	.4350285
Race						
1	2.085642	.2829536	5.42	0.000	1.590502	2.734923
2	.8739105	.1378258	-0.85	0.396	.6377286	1.197562
3	.7994385	.1665465	-1.07	0.287	.5272759	1.212083
BMIcat						
2	.0509524	.0347514	-4.36	0.000	.0130445	.1990219
3	.0166191	.0112006	-6.08	0.000	.0043239	.0638758
4	.009951	.0070295	-6.53	0.000	.0024265	.0408085
5	.0079185	.0053963	-7.10	0.000	.0020295	.0308953
6	.0040506	.0027275	-8.18	0.000	.0010552	.0155496
_cons	5.01131	3.237359	2.49	0.015	1.378703	18.21511
<b>tried_to_l~_</b>	(base outcome)					
<b>tried_to_n~n</b>						
fsWithHunger						
1	1.31671	.2942138	1.23	0.223	.8426119	2.057561
2	1.062405	.1382648	0.47	0.643	.8191765	1.377853
1.Male	2.02658	.2233379	6.41	0.000	1.626111	2.525675
fsWithHunger#						
Male						
1 1	.7884952	.2991225	-0.63	0.533	.3695442	1.68241
2 1	1.052878	.1938332	0.28	0.780	.7288763	1.520906
age4						
2	.9996447	.1220152	-0.00	0.998	.7833346	1.275687
3	1.094666	.1323022	0.75	0.457	.8598491	1.393608
4	1.276676	.1425896	2.19	0.032	1.021362	1.595812

edu						
1	.8342738	.127407	-1.19	0.240	.6149102	1.131893
2	1.178549	.1403338	1.38	0.172	.9290501	1.495051
Race						
1	.9501488	.115995	-0.42	0.677	.7445158	1.212577
2	.8762054	.1207136	-0.96	0.341	.6653918	1.15381
3	.6447887	.111241	-2.54	0.013	.4568102	.9101209
BMICat						
2	.1221852	.0877199	-2.93	0.005	.0291168	.5127353
3	.0493171	.0349829	-4.24	0.000	.0119555	.203436
4	.0357568	.0260822	-4.57	0.000	.0083272	.1535386
5	.0187371	.0137498	-5.42	0.000	.0043255	.0811661
6	.0164053	.0123612	-5.45	0.000	.0036413	.0739115
_cons	2.70217	1.985581	1.35	0.181	.622572	11.72832

Note: `_cons` estimates baseline relative risk for each outcome.

156 . mlogtest, wald

#### Wald tests for independent variables (N=12708)

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	15.060	4	4	0.000
2.fsWithHunger	11.707	4	4	0.000
1.Male	62.222	4	4	0.000
1.fsWithHunger#				
1.Male	0.636	4	4	0.639
2.fsWithHunger#				
1.Male	1.373	4	4	0.254
2.age4	0.483	4	4	0.748
3.age4	1.625	4	4	0.179
4.age4	3.354	4	4	0.015
1.edu	9.000	4	4	0.000
2.edu	44.849	4	4	0.000
1.Race	7.533	4	4	0.000
2.Race	1.180	4	4	0.329
3.Race	5.774	4	4	0.001
2.BMICat	9.653	4	4	0.000
3.BMICat	19.067	4	4	0.000
4.BMICat	22.549	4	4	0.000
5.BMICat	27.268	4	4	0.000
6.BMICat	25.779	4	4	0.000

157 .  
end of do-file

158 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

159 . //test if interaction terms simultaneously = 0  
160 . test 2.fsWithHunger#1.Male 1.fsWithHunger#1.Male , nosvyadjust

Unadjusted Wald test

```
( 1) [doing_nothing]2.fsWithHunger#1.Male = 0
( 2) [lost_weight_intentional]2.fsWithHunger#1.Male = 0
( 3) [lost_weight_unintended]2.fsWithHunger#1.Male = 0
( 4) [tried_to_lose_weight_but_didnt_]2o.fsWithHunger#1o.Male = 0
( 5) [tried_to_not_gain]2.fsWithHunger#1.Male = 0
( 6) [doing_nothing]1.fsWithHunger#1.Male = 0
( 7) [lost_weight_intentional]1.fsWithHunger#1.Male = 0
( 8) [lost_weight_unintended]1.fsWithHunger#1.Male = 0
( 9) [tried_to_lose_weight_but_didnt_]1o.fsWithHunger#1o.Male = 0
(10) [tried_to_not_gain]1.fsWithHunger#1.Male = 0
Constraint 4 dropped
Constraint 9 dropped
```

```
F(  8,      64) =     0.87
                  Prob > F =  0.5496
```

```
161 .
end of do-file

162 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

163 .
164 . //model including interaction with Race
165 . svy: mlogit doingWt i.fsWithHunger##i.Race i.age4 i.edu i.Male i.BMICat, rrr
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>12,708</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>186,710,447</b>
			Design df	=	<b>64</b>
			F( 64,      1)	=	.
			Prob > F	=	.

doingWt	R	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]
<b>doing_noth~g</b>						
fsWithHunger						
1	<b>1.350773</b>	<b>.2833396</b>	<b>1.43</b>	<b>0.157</b>	<b>.8883683</b>	<b>2.053864</b>
2	<b>1.268672</b>	<b>.1483629</b>	<b>2.03</b>	<b>0.046</b>	<b>1.004359</b>	<b>1.602543</b>
Race						
1	<b>1.406109</b>	<b>.1582699</b>	<b>3.03</b>	<b>0.004</b>	<b>1.122956</b>	<b>1.760659</b>
2	<b>1.074297</b>	<b>.1331693</b>	<b>0.58</b>	<b>0.565</b>	<b>.8386422</b>	<b>1.37617</b>
3	<b>1.024058</b>	<b>.1248048</b>	<b>0.20</b>	<b>0.846</b>	<b>.8027634</b>	<b>1.306357</b>
fsWithHunger#						
Race						
1 1	<b>.967486</b>	<b>.262103</b>	<b>-0.12</b>	<b>0.903</b>	<b>.5631203</b>	<b>1.662219</b>
1 2	<b>.8569724</b>	<b>.2281416</b>	<b>-0.58</b>	<b>0.564</b>	<b>.503495</b>	<b>1.458608</b>
1 3	<b>2.194627</b>	<b>1.288598</b>	<b>1.34</b>	<b>0.185</b>	<b>.6791076</b>	<b>7.092232</b>
2 1	<b>.8119183</b>	<b>.1373756</b>	<b>-1.23</b>	<b>0.223</b>	<b>.5790484</b>	<b>1.138439</b>
2 2	<b>.8223445</b>	<b>.1211098</b>	<b>-1.33</b>	<b>0.189</b>	<b>.6127433</b>	<b>1.103644</b>
2 3	<b>.7467094</b>	<b>.1935011</b>	<b>-1.13</b>	<b>0.264</b>	<b>.4449614</b>	<b>1.253086</b>
age4						
2	<b>1.133636</b>	<b>.1091238</b>	<b>1.30</b>	<b>0.197</b>	<b>.9353156</b>	<b>1.374007</b>
3	<b>1.169635</b>	<b>.1138682</b>	<b>1.61</b>	<b>0.112</b>	<b>.9629107</b>	<b>1.42074</b>
4	<b>1.24716</b>	<b>.1355349</b>	<b>2.03</b>	<b>0.046</b>	<b>1.003773</b>	<b>1.549561</b>
edu						
1	<b>.5816711</b>	<b>.0553792</b>	<b>-5.69</b>	<b>0.000</b>	<b>.480923</b>	<b>.7035248</b>
2	<b>.3361866</b>	<b>.0343524</b>	<b>-10.67</b>	<b>0.000</b>	<b>.274111</b>	<b>.4123198</b>
1.Male	<b>2.848899</b>	<b>.1802603</b>	<b>16.55</b>	<b>0.000</b>	<b>2.510618</b>	<b>3.232761</b>
BMICat						
2	<b>.0459093</b>	<b>.0280051</b>	<b>-5.05</b>	<b>0.000</b>	<b>.0135723</b>	<b>.1552909</b>
3	<b>.0148484</b>	<b>.0088056</b>	<b>-7.10</b>	<b>0.000</b>	<b>.0045411</b>	<b>.0485507</b>
4	<b>.0093048</b>	<b>.0056721</b>	<b>-7.67</b>	<b>0.000</b>	<b>.0027532</b>	<b>.0314476</b>
5	<b>.0064195</b>	<b>.0037308</b>	<b>-8.69</b>	<b>0.000</b>	<b>.0020103</b>	<b>.0204988</b>
6	<b>.004594</b>	<b>.0028755</b>	<b>-8.60</b>	<b>0.000</b>	<b>.0013157</b>	<b>.0160416</b>
_cons	<b>56.11738</b>	<b>34.10964</b>	<b>6.63</b>	<b>0.000</b>	<b>16.66269</b>	<b>188.9947</b>
<b>lost_weigh~1</b>						
fsWithHunger						
1	<b>1.35668</b>	<b>.3183154</b>	<b>1.30</b>	<b>0.198</b>	<b>.8490113</b>	<b>2.167912</b>
2	<b>1.27085</b>	<b>.1989228</b>	<b>1.53</b>	<b>0.131</b>	<b>.9295888</b>	<b>1.737393</b>
Race						
1	<b>1.14186</b>	<b>.1114287</b>	<b>1.36</b>	<b>0.179</b>	<b>.9396103</b>	<b>1.387644</b>

	2	.8971871	.1091529	-0.89	0.376	.7036056	1.144028
	3	.547317	.0942288	-3.50	0.001	.3880326	.7719865
<b>fsWithHunger#</b>							
	Race						
	1 1	1.204305	.3874329	0.58	0.565	.6333196	2.290077
	1 2	1.10411	.3823707	0.29	0.776	.5527742	2.205347
	1 3	2.952055	1.660478	1.92	0.059	.9596514	9.081038
	2 1	.9825158	.1856067	-0.09	0.926	.6736604	1.432973
	2 2	.8962444	.1906658	-0.51	0.608	.5859409	1.370879
	2 3	1.02122	.2966859	0.07	0.943	.5715603	1.824636
	age4						
	2	1.053603	.0939863	0.59	0.560	.8816228	1.259132
	3	.9744652	.0955083	-0.26	0.793	.8011829	1.185226
	4	.989469	.1256488	-0.08	0.934	.7677657	1.275192
	edu						
	1	.8477377	.0991845	-1.41	0.163	.6710467	1.070953
	2	.8954741	.0821882	-1.20	0.233	.7454575	1.07568
	1.Male	1.440846	.0772079	6.82	0.000	1.294575	1.603645
	BMIcat						
	2	.627361	.6709675	-0.44	0.664	.0740644	5.314051
	3	.7422204	.7981847	-0.28	0.783	.0865988	6.36142
	4	.723032	.7759513	-0.30	0.763	.0847333	6.169658
	5	.6458971	.6751602	-0.42	0.677	.08003	5.212836
	6	.5982616	.640719	-0.48	0.633	.0704233	5.082368
	_cons	.5986585	.634827	-0.48	0.630	.0719713	4.979654
<b>lost_weight</b>							
<b>fsWithHunger</b>							
	1	6.155905	1.402404	7.98	0.000	3.905165	9.703856
	2	4.133194	.680095	8.62	0.000	2.97527	5.741763
	Race						
	1	3.212619	.4958622	7.56	0.000	2.360185	4.372927
	2	1.473563	.2768759	2.06	0.043	1.012395	2.144803
	3	1.055114	.2443006	0.23	0.818	.664378	1.675652
<b>fsWithHunger#</b>							
	Race						
	1 1	.352769	.1248855	-2.94	0.005	.1739186	.7155416
	1 2	.3747964	.1271638	-2.89	0.005	.1902954	.7381803
	1 3	.9166377	.6333005	-0.13	0.900	.2305553	3.644353
	2 1	.4273841	.1043953	-3.48	0.001	.2623569	.6962162
	2 2	.3490652	.0796752	-4.61	0.000	.221245	.5507309
	2 3	.423619	.1593337	-2.28	0.026	.1998243	.8980544
	age4						
	2	1.094565	.1630083	0.61	0.546	.812893	1.473837
	3	1.32707	.2232291	1.68	0.097	.9483152	1.857099
	4	1.391862	.2132452	2.16	0.035	1.024878	1.890255
	edu						
	1	.6409887	.0862607	-3.30	0.002	.4898839	.8387017
	2	.3334209	.0441433	-8.30	0.000	.255933	.4343695
	1.Male	2.053461	.1897713	7.79	0.000	1.707288	2.469826
	BMIcat						
	2	.0515397	.035244	-4.34	0.000	.0131479	.2020361
	3	.0173302	.0117438	-5.98	0.000	.0044758	.0671022
	4	.0104166	.0074173	-6.41	0.000	.0025115	.0432032
	5	.0081172	.0055734	-7.01	0.000	.0020592	.0319976
	6	.0042025	.0028666	-8.02	0.000	.0010757	.0164181
	_cons	4.672407	3.010085	2.39	0.020	1.290056	16.92282
<b>tried_to_l~</b>		(base outcome)					

tried_to_n~n fsWithHunger						
1	.9965727	.3054661	-0.01	0.991	.5402244	1.838416
2	1.097432	.1698166	0.60	0.550	.8056102	1.494963
Race						
1	.7660251	.1291759	-1.58	0.119	.5469378	1.072872
2	.9717343	.132588	-0.21	0.834	.7398908	1.276225
3	.6125847	.12077	-2.49	0.016	.4131613	.9082651
fsWithHunger#						
Race						
1 1	2.022534	.9419705	1.51	0.135	.7976649	5.128275
1 2	1.063202	.4951248	0.13	0.896	.4193535	2.695577
1 3	2.745	1.959761	1.41	0.162	.6593669	11.42767
2 1	1.668547	.4496734	1.90	0.062	.9739118	2.858627
2 2	.7253045	.1724839	-1.35	0.182	.4510209	1.166391
2 3	1.133104	.4044575	0.35	0.727	.5553692	2.311839
age4						
2	1.000562	.1226459	0.00	0.996	.7832416	1.27818
3	1.092665	.1320588	0.73	0.466	.8582804	1.391058
4	1.274659	.1411286	2.19	0.032	1.021725	1.590208
edu						
1	.8229668	.1253969	-1.28	0.206	.6069937	1.115785
2	1.164237	.1388877	1.27	0.207	.9173618	1.47755
1.Male	2.023659	.2034654	7.01	0.000	1.65541	2.473825
BMIcat						
2	.1220908	.0877016	-2.93	0.005	.0290708	.5127537
3	.0493627	.0350501	-4.24	0.000	.0119497	.2039114
4	.0358718	.0261954	-4.56	0.000	.0083404	.154284
5	.0187867	.0138288	-5.40	0.000	.0043173	.0817505
6	.0163197	.0123247	-5.45	0.000	.0036099	.0737788
_cons	2.744477	2.014134	1.38	0.174	.6334868	11.88999

Note: cons estimates baseline relative risk for each outcome.

```

166 .
end of do-file

167 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

168 . svy: mlogit likeToWeigh i.fsWithHunger##i.Male i.age4 i.edu i.Race i.BMICat,
> rrr baseoutcome(1)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	60	Number of obs	=	14,390
Number of PSUs	=	124	Population size	=	210,379,136
			Design df	=	64
			F( 36, 29)	=	73.17
			Prob > F	=	0.0000

likeToWeig~t	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>Same</b>	(base outcome)					
<b>Less</b>						
fsWithHunger						
1	.6933349	.1286523	-1.97	0.053	.4785797	1.004458
2	.7898174	.0996047	-1.87	0.066	.6139209	1.016111
1.Male	.2250217	.0148743	-22.56	0.000	.1971853	.2567878

fsWithHunger#						
Male						
1 1	<b>1.389174</b>	.3079758	<b>1.48</b>	0.143	.8920962	<b>2.163225</b>
2 1	<b>1.294733</b>	<b>.2004598</b>	<b>1.67</b>	<b>0.100</b>	<b>.9502806</b>	<b>1.764041</b>
age4						
2	<b>1.158346</b>	.0891827	<b>1.91</b>	0.061	.9932082	<b>1.350941</b>
3	<b>1.347589</b>	.1168872	<b>3.44</b>	0.001	1.133192	<b>1.60255</b>
4	<b>1.288168</b>	.10516	<b>3.10</b>	0.003	1.094323	<b>1.51635</b>
edu						
1	<b>1.662328</b>	.1557409	<b>5.42</b>	0.000	1.378581	<b>2.004477</b>
2	<b>2.369026</b>	.2410936	<b>8.47</b>	0.000	1.93319	<b>2.90312</b>
Race						
1	<b>.3705481</b>	.0320928	<b>-11.46</b>	0.000	.3116752	<b>.4405415</b>
2	<b>.6948004</b>	.0458329	<b>-5.52</b>	0.000	.6090152	<b>.7926692</b>
3	<b>.8519417</b>	.0782825	<b>-1.74</b>	0.086	.7090687	<b>1.023603</b>
BMICat						
2	<b>89.12068</b>	<b>62.0912</b>	<b>6.44</b>	0.000	<b>22.15703</b>	<b>358.4639</b>
3	<b>623.6913</b>	<b>430.4564</b>	<b>9.32</b>	0.000	<b>157.0983</b>	<b>2476.099</b>
4	<b>2707.112</b>	<b>1811.337</b>	<b>11.81</b>	0.000	<b>711.1982</b>	<b>10304.38</b>
5	<b>10116.2</b>	<b>6656.45</b>	<b>14.02</b>	0.000	<b>2717.289</b>	<b>37661.65</b>
6	<b>13465.52</b>	<b>10097.11</b>	<b>12.68</b>	0.000	<b>3010.594</b>	<b>60227.44</b>
_cons	<b>.005854</b>	<b>.0040214</b>	<b>-7.48</b>	0.000	<b>.0014841</b>	<b>.0230915</b>
<b>More</b>						
fsWithHunger						
1	<b>4.071055</b>	<b>1.065862</b>	<b>5.36</b>	0.000	<b>2.412991</b>	<b>6.868442</b>
2	<b>2.417167</b>	<b>.4461201</b>	<b>4.78</b>	0.000	<b>1.671779</b>	<b>3.494896</b>
1.Male	<b>4.588372</b>	<b>.6919164</b>	<b>10.10</b>	0.000	<b>3.394892</b>	<b>6.201421</b>
fsWithHunger#						
Male						
1 1	<b>.4684474</b>	<b>.1547181</b>	<b>-2.30</b>	0.025	<b>.2421644</b>	<b>.9061736</b>
2 1	<b>.6298478</b>	<b>.1343751</b>	<b>-2.17</b>	0.034	<b>.4112791</b>	<b>.964572</b>
age4						
2	<b>.7030236</b>	<b>.0864695</b>	<b>-2.86</b>	0.006	<b>.5498671</b>	<b>.8988394</b>
3	<b>.6769758</b>	<b>.0922456</b>	<b>-2.86</b>	0.006	<b>.5156469</b>	<b>.8887791</b>
4	<b>.4742836</b>	<b>.0630751</b>	<b>-5.61</b>	0.000	<b>.3636264</b>	<b>.6186155</b>
edu						
1	<b>1.227966</b>	<b>.1313834</b>	<b>1.92</b>	0.059	<b>.9916518</b>	<b>1.520595</b>
2	<b>.968259</b>	<b>.1225796</b>	<b>-0.25</b>	0.800	<b>.7518908</b>	<b>1.24689</b>
Race						
1	<b>2.642995</b>	<b>.2711784</b>	<b>9.47</b>	0.000	<b>2.153168</b>	<b>3.244253</b>
2	<b>1.150638</b>	<b>.1237657</b>	<b>1.30</b>	0.197	<b>.9281474</b>	<b>1.426462</b>
3	<b>.9733617</b>	<b>.1569586</b>	<b>-0.17</b>	0.868	<b>.7052931</b>	<b>1.343318</b>
BMICat						
2	<b>.1595345</b>	<b>.0324416</b>	<b>-9.03</b>	0.000	<b>.1062739</b>	<b>.2394876</b>
3	<b>.0277661</b>	<b>.0062713</b>	<b>-15.87</b>	0.000	<b>.017683</b>	<b>.0435988</b>
4	<b>.0151541</b>	<b>.005248</b>	<b>-12.10</b>	0.000	<b>.0075871</b>	<b>.0302682</b>
5	<b>.0191497</b>	<b>.0109298</b>	<b>-6.93</b>	0.000	<b>.0061231</b>	<b>.0598894</b>
6	<b>.0277266</b>	<b>.0181835</b>	<b>-5.47</b>	0.000	<b>.0074801</b>	<b>.1027738</b>
_cons	<b>.7243795</b>	<b>.1574038</b>	<b>-1.48</b>	0.143	<b>.4692893</b>	<b>1.118128</b>

Note: \_cons estimates baseline relative risk for each outcome.

```

169 .
end of do-file

170 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
171 . mlogtest, wald

```

**Wald tests for independent variables (N=14390)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>19.608</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.fsWithHunger	<b>16.943</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.Male	<b>314.705</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.fsWithHunger#				
1.Male	<b>4.411</b>	<b>2</b>	<b>2</b>	<b>0.016</b>
2.fsWithHunger#				
1.Male	<b>4.931</b>	<b>2</b>	<b>2</b>	<b>0.010</b>
2.age4	<b>6.047</b>	<b>2</b>	<b>2</b>	<b>0.004</b>
3.age4	<b>13.545</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
4.age4	<b>25.286</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.edu	<b>15.646</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.edu	<b>35.527</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.Race	<b>119.264</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.Race	<b>18.143</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
3.Race	<b>1.515</b>	<b>2</b>	<b>2</b>	<b>0.228</b>
2.BMICat	<b>57.880</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
3.BMICat	<b>162.388</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
4.BMICat	<b>129.591</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
5.BMICat	<b>110.598</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
6.BMICat	<b>106.974</b>	<b>2</b>	<b>2</b>	<b>0.000</b>

```

172 .
end of do-file

173 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
174 . //test if interaction terms simultaneously = 0
175 . test 2.fsWithHunger#1.Male 1.fsWithHunger#1.Male , nosvyadjust

```

Unadjusted Wald test

```

( 1) [Same]2o.fsWithHunger#1o.Male = 0
( 2) [Less]2.fsWithHunger#1.Male = 0
( 3) [More]2.fsWithHunger#1.Male = 0
( 4) [Same]1o.fsWithHunger#1o.Male = 0
( 5) [Less]1.fsWithHunger#1.Male = 0
( 6) [More]1.fsWithHunger#1.Male = 0
Constraint 1 dropped
Constraint 4 dropped

```

```

F( 4,      64) =     4.39
Prob > F =    0.0034

```

```

176 .
end of do-file

177 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

```

```
178 . svy: mlogit likeToWeigh i.fsWithHunger##i.Race i.age4 i.edu i.Male i.BMICat,
> rrr baseoutcome(1)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>14,390</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>210,379,136</b>
			Design df	=	<b>64</b>
			F( <b>44,</b> <b>21)</b>	=	<b>39.30</b>
			Prob > F	=	<b>0.0000</b>

likeToWeig~t	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]
<b>Same</b>	(base outcome)				
<b>Less</b>					
fsWithHunger					
1	<b>.8212954</b>	<b>.1469296</b>	<b>-1.10</b>	<b>0.275</b>	<b>.5744938</b> <b>1.174123</b>
2	<b>.9124878</b>	<b>.1267787</b>	<b>-0.66</b>	<b>0.512</b>	<b>.6913287</b> <b>1.204397</b>
Race					
1	<b>.369877</b>	<b>.0341843</b>	<b>-10.76</b>	<b>0.000</b>	<b>.3075197</b> <b>.4448788</b>
2	<b>.6764332</b>	<b>.0503974</b>	<b>-5.25</b>	<b>0.000</b>	<b>.5828872</b> <b>.7849921</b>
3	<b>.8991514</b>	<b>.0898854</b>	<b>-1.06</b>	<b>0.292</b>	<b>.7363787</b> <b>1.097904</b>
fsWithHunger#					
Race					
1 1	<b>.9656663</b>	<b>.2476303</b>	<b>-0.14</b>	<b>0.892</b>	<b>.5785537</b> <b>1.611798</b>
1 2	<b>1.070669</b>	<b>.2550041</b>	<b>0.29</b>	<b>0.775</b>	<b>.6652971</b> <b>1.723036</b>
1 3	<b>1.148148</b>	<b>.7121973</b>	<b>0.22</b>	<b>0.824</b>	<b>.3325237</b> <b>3.964358</b>
2 1	<b>1.000282</b>	<b>.1719269</b>	<b>0.00</b>	<b>0.999</b>	<b>.709578</b> <b>1.410083</b>
2 2	<b>1.077281</b>	<b>.1785463</b>	<b>0.45</b>	<b>0.655</b>	<b>.773632</b> <b>1.500112</b>
2 3	<b>.6848515</b>	<b>.1515131</b>	<b>-1.71</b>	<b>0.092</b>	<b>.4402024</b> <b>1.065468</b>
age4					
2	<b>1.159047</b>	<b>.0896082</b>	<b>1.91</b>	<b>0.061</b>	<b>.9931735</b> <b>1.352624</b>
3	<b>1.349772</b>	<b>.1169235</b>	<b>3.46</b>	<b>0.001</b>	<b>1.135285</b> <b>1.604783</b>
4	<b>1.291651</b>	<b>.1058169</b>	<b>3.12</b>	<b>0.003</b>	<b>1.09665</b> <b>1.521327</b>
edu					
1	<b>1.664414</b>	<b>.1561533</b>	<b>5.43</b>	<b>0.000</b>	<b>1.379952</b> <b>2.007515</b>
2	<b>2.363234</b>	<b>.2402623</b>	<b>8.46</b>	<b>0.000</b>	<b>1.928858</b> <b>2.89543</b>
1.Male	<b>.2406839</b>	<b>.0135401</b>	<b>-25.32</b>	<b>0.000</b>	<b>.2150991</b> <b>.2693119</b>
BMICat					
2	<b>87.77086</b>	<b>61.14241</b>	<b>6.42</b>	<b>0.000</b>	<b>21.82559</b> <b>352.9675</b>
3	<b>606.4956</b>	<b>417.5026</b>	<b>9.31</b>	<b>0.000</b>	<b>153.3143</b> <b>2399.235</b>
4	<b>2635.492</b>	<b>1757.511</b>	<b>11.81</b>	<b>0.000</b>	<b>695.4884</b> <b>9986.968</b>
5	<b>9895.799</b>	<b>6486.309</b>	<b>14.04</b>	<b>0.000</b>	<b>2671.598</b> <b>36654.78</b>
6	<b>13163.05</b>	<b>9862.167</b>	<b>12.66</b>	<b>0.000</b>	<b>2946.6</b> <b>58801.95</b>
_cons	<b>.0057681</b>	<b>.0039863</b>	<b>-7.46</b>	<b>0.000</b>	<b>.0014502</b> <b>.0229421</b>
<b>More</b>					
fsWithHunger					
1	<b>2.756998</b>	<b>.6002035</b>	<b>4.66</b>	<b>0.000</b>	<b>1.784669</b> <b>4.259074</b>
2	<b>2.001903</b>	<b>.2967368</b>	<b>4.68</b>	<b>0.000</b>	<b>1.488815</b> <b>2.691817</b>
Race					
1	<b>3.143363</b>	<b>.4133265</b>	<b>8.71</b>	<b>0.000</b>	<b>2.417196</b> <b>4.087683</b>
2	<b>1.162548</b>	<b>.1772763</b>	<b>0.99</b>	<b>0.327</b>	<b>.8572565</b> <b>1.576563</b>
3	<b>1.123716</b>	<b>.2224933</b>	<b>0.59</b>	<b>0.558</b>	<b>.7566115</b> <b>1.668937</b>
fsWithHunger#					
Race					
1 1	<b>.698026</b>	<b>.2413022</b>	<b>-1.04</b>	<b>0.302</b>	<b>.3499032</b> <b>1.3925</b>
1 2	<b>1.031113</b>	<b>.3143396</b>	<b>0.10</b>	<b>0.920</b>	<b>.5608067</b> <b>1.895828</b>
1 3	<b>.2367999</b>	<b>.1383255</b>	<b>-2.47</b>	<b>0.016</b>	<b>.0737183</b> <b>.7606545</b>

2 1	.6381848	.1462565	-1.96	0.054	.4037502	1.008742
2 2	.8842359	.1972711	-0.55	0.583	.5662494	1.380793
2 3	.7354032	.2406185	-0.94	0.351	.3825183	1.413835
age4						
2	.6957951	.0840972	-3.00	0.004	.5465359	.8858172
3	.6651526	.0908979	-2.98	0.004	.5062408	.8739477
4	.474505	.0626556	-5.65	0.000	.3644844	.6177355
edu						
1	1.23135	.1341597	1.91	0.061	.9904976	1.53077
2	.9702763	.1237353	-0.24	0.814	.752062	1.251806
1.Male	3.66768	.3823863	12.46	0.000	2.978081	4.51696
BMICat						
2	.1642777	.032129	-9.24	0.000	.1111464	.2428074
3	.0281879	.0060907	-16.52	0.000	.0183061	.043404
4	.0153014	.0052392	-12.21	0.000	.0077208	.0303247
5	.0190568	.0107164	-7.04	0.000	.0061967	.0586052
6	.0280189	.0183662	-5.45	0.000	.0075638	.1037911
_cons	.8034603	.1664763	-1.06	0.295	.5311263	1.215433

Note: \_cons estimates baseline relative risk for each outcome.

179 . mlogtest, wald

#### Wald tests for independent variables (N=14390)

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	11.578	2	2	0.000
2.fsWithHunger	12.690	2	2	0.000
1.Race	107.357	2	2	0.000
2.Race	16.924	2	2	0.000
3.Race	1.144	2	2	0.325
1.fsWithHunger#				
1.Race	0.539	2	2	0.586
1.fsWithHunger#				
2.Race	0.042	2	2	0.959
1.fsWithHunger#				
3.Race	3.108	2	2	0.052
2.fsWithHunger#				
1.Race	1.952	2	2	0.150
2.fsWithHunger#				
2.Race	0.302	2	2	0.740
2.fsWithHunger#				
3.Race	1.588	2	2	0.212
2.age4	6.495	2	2	0.003
3.age4	14.287	2	2	0.000
4.age4	25.840	2	2	0.000
1.edu	15.680	2	2	0.000
2.edu	35.408	2	2	0.000
1.Male	424.535	2	2	0.000
2.BMICat	59.717	2	2	0.000
3.BMICat	173.388	2	2	0.000
4.BMICat	131.492	2	2	0.000
5.BMICat	111.169	2	2	0.000
6.BMICat	106.774	2	2	0.000

```

180 .
    end of do-file

181 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
182 . //test if interaction terms for race by simultaneously = 0
183 . test 1.fsWithHunger#1.Race 2.fsWithHunger#1.Race , nosvyadjust

    Unadjusted Wald test

( 1) [Same]1o.fsWithHunger#1o.Race = 0
( 2) [Less]1.fsWithHunger#1.Race = 0
( 3) [More]1.fsWithHunger#1.Race = 0
( 4) [Same]2o.fsWithHunger#1o.Race = 0
( 5) [Less]2.fsWithHunger#1.Race = 0
( 6) [More]2.fsWithHunger#1.Race = 0
    Constraint 1 dropped
    Constraint 4 dropped

    F(  4,      64) =     1.16
                      Prob > F =  0.3358

184 . test 1.fsWithHunger#2.Race 2.fsWithHunger#2.Race , nosvyadjust

    Unadjusted Wald test

( 1) [Same]1o.fsWithHunger#2o.Race = 0
( 2) [Less]1.fsWithHunger#2.Race = 0
( 3) [More]1.fsWithHunger#2.Race = 0
( 4) [Same]2o.fsWithHunger#2o.Race = 0
( 5) [Less]2.fsWithHunger#2.Race = 0
( 6) [More]2.fsWithHunger#2.Race = 0
    Constraint 1 dropped
    Constraint 4 dropped

    F(  4,      64) =     0.17
                      Prob > F =  0.9522

185 . test 1.fsWithHunger#3.Race 2.fsWithHunger#3.Race , nosvyadjust

    Unadjusted Wald test

( 1) [Same]1o.fsWithHunger#3o.Race = 0
( 2) [Less]1.fsWithHunger#3.Race = 0
( 3) [More]1.fsWithHunger#3.Race = 0
( 4) [Same]2o.fsWithHunger#3o.Race = 0
( 5) [Less]2.fsWithHunger#3.Race = 0
( 6) [More]2.fsWithHunger#3.Race = 0
    Constraint 1 dropped
    Constraint 4 dropped

    F(  4,      64) =     2.76
                      Prob > F =  0.0349

186 .
    end of do-file

187 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
188 . //3 way interaction?... Nope

```

```
189 . svy: mlogit likeToWeigh i.fsWithHunger##i.Race##i.Male i.age4 i.edu i.BMICat,
> rrr baseoutcome(1)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>14,390</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>210,379,136</b>
			Design df	=	<b>64</b>
			F(	<b>64,</b>	<b>1)</b>
				=	<b>78.03</b>
			Prob > F	=	<b>0.0898</b>

likeToWeig~	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]
<b>Same</b>	(base outcome)				
<b>Less</b>					
fsWithHunger					
1	<b>.8791839</b>	<b>.2700186</b>	<b>-0.42</b>	<b>0.676</b>	<b>.476012</b> <b>1.623834</b>
2	<b>.7741834</b>	<b>.1608191</b>	<b>-1.23</b>	<b>0.222</b>	<b>.5112331</b> <b>1.172381</b>
Race					
1	<b>.3180977</b>	<b>.0426461</b>	<b>-8.54</b>	<b>0.000</b>	<b>.2433573</b> <b>.4157926</b>
2	<b>.6323659</b>	<b>.0716709</b>	<b>-4.04</b>	<b>0.000</b>	<b>.5042388</b> <b>.79305</b>
3	<b>.7611198</b>	<b>.0949589</b>	<b>-2.19</b>	<b>0.032</b>	<b>.5932108</b> <b>.9765556</b>
fsWithHunger#					
Race					
1 1	<b>.8104297</b>	<b>.3192334</b>	<b>-0.53</b>	<b>0.595</b>	<b>.3689445</b> <b>1.780203</b>
1 2	<b>.604401</b>	<b>.2424483</b>	<b>-1.26</b>	<b>0.214</b>	<b>.2712042</b> <b>1.346957</b>
1 3	<b>.5498089</b>	<b>.3672701</b>	<b>-0.90</b>	<b>0.374</b>	<b>.1447627</b> <b>2.088175</b>
2 1	<b>1.095137</b>	<b>.2937902</b>	<b>0.34</b>	<b>0.736</b>	<b>.6407935</b> <b>1.871624</b>
2 2	<b>1.119852</b>	<b>.2553278</b>	<b>0.50</b>	<b>0.621</b>	<b>.7101435</b> <b>1.765938</b>
2 3	<b>.9062706</b>	<b>.3639756</b>	<b>-0.25</b>	<b>0.807</b>	<b>.4062674</b> <b>2.02164</b>
1.Male	<b>.208012</b>	<b>.0187044</b>	<b>-17.46</b>	<b>0.000</b>	<b>.1738096</b> <b>.2489449</b>
fsWithHunger#					
Male					
1 1	<b>.9153888</b>	<b>.3240074</b>	<b>-0.25</b>	<b>0.804</b>	<b>.4513488</b> <b>1.856517</b>
2 1	<b>1.355534</b>	<b>.3382997</b>	<b>1.22</b>	<b>0.227</b>	<b>.8233475</b> <b>2.231708</b>
Race#Male					
1 1	<b>1.318418</b>	<b>.2019221</b>	<b>1.80</b>	<b>0.076</b>	<b>.9709021</b> <b>1.79032</b>
2 1	<b>1.134598</b>	<b>.1633742</b>	<b>0.88</b>	<b>0.384</b>	<b>.8509676</b> <b>1.512762</b>
3 1	<b>1.432213</b>	<b>.2736147</b>	<b>1.88</b>	<b>0.065</b>	<b>.9778179</b> <b>2.097768</b>
fsWithHunger#					
Race#Male					
1 1 1	<b>1.4334</b>	<b>.7336309</b>	<b>0.70</b>	<b>0.484</b>	<b>.515606</b> <b>3.984894</b>
1 2 1	<b>2.311063</b>	<b>1.161773</b>	<b>1.67</b>	<b>0.101</b>	<b>.8465781</b> <b>6.308943</b>
1 3 1	<b>6.013311</b>	<b>5.715144</b>	<b>1.89</b>	<b>0.064</b>	<b>.9005968</b> <b>40.15105</b>
2 1 1	<b>.9114925</b>	<b>.3076336</b>	<b>-0.27</b>	<b>0.785</b>	<b>.464443</b> <b>1.788849</b>
2 2 1	<b>.9209088</b>	<b>.2827479</b>	<b>-0.27</b>	<b>0.789</b>	<b>.4986953</b> <b>1.700583</b>
2 3 1	<b>.5760322</b>	<b>.3109688</b>	<b>-1.02</b>	<b>0.311</b>	<b>.1959181</b> <b>1.693632</b>
age4					
2	<b>1.155025</b>	<b>.0900028</b>	<b>1.85</b>	<b>0.069</b>	<b>.9885194</b> <b>1.349576</b>
3	<b>1.350811</b>	<b>.1169829</b>	<b>3.47</b>	<b>0.001</b>	<b>1.136209</b> <b>1.605945</b>
4	<b>1.294412</b>	<b>.1072379</b>	<b>3.11</b>	<b>0.003</b>	<b>1.096969</b> <b>1.527393</b>
edu					
1	<b>1.67022</b>	<b>.1561366</b>	<b>5.49</b>	<b>0.000</b>	<b>1.385695</b> <b>2.013165</b>
2	<b>2.368897</b>	<b>.2405624</b>	<b>8.49</b>	<b>0.000</b>	<b>1.93393</b> <b>2.901694</b>
BMICat					
2	<b>92.65409</b>	<b>64.62097</b>	<b>6.49</b>	<b>0.000</b>	<b>23.00174</b> <b>373.223</b>
3	<b>663.3592</b>	<b>458.4985</b>	<b>9.40</b>	<b>0.000</b>	<b>166.7561</b> <b>2638.856</b>
4	<b>2860.603</b>	<b>1918.648</b>	<b>11.87</b>	<b>0.000</b>	<b>749.1068</b> <b>10923.74</b>
5	<b>10640.68</b>	<b>7011.13</b>	<b>14.07</b>	<b>0.000</b>	<b>2853.032</b> <b>39685.5</b>

	<b>6</b>	<b>14266.36</b>	<b>10726.57</b>	<b>12.72</b>	<b>0.000</b>	<b>3176.734</b>	<b>64068.6</b>
	<b>_cons</b>	<b>.0057691</b>	<b>.0039735</b>	<b>-7.48</b>	<b>0.000</b>	<b>.0014573</b>	<b>.0228387</b>
<b>More</b>							
fsWithHunger							
1	<b>6.349452</b>	<b>2.897399</b>	<b>4.05</b>	<b>0.000</b>	<b>2.551698</b>	<b>15.79949</b>	
2	<b>2.035657</b>	<b>.7530111</b>	<b>1.92</b>	<b>0.059</b>	<b>.97223</b>	<b>4.262262</b>	
Race							
1	<b>6.69129</b>	<b>2.13759</b>	<b>5.95</b>	<b>0.000</b>	<b>3.534652</b>	<b>12.66698</b>	
2	<b>2.06885</b>	<b>.6631939</b>	<b>2.27</b>	<b>0.027</b>	<b>1.090457</b>	<b>3.925086</b>	
3	<b>2.342571</b>	<b>.7486896</b>	<b>2.66</b>	<b>0.010</b>	<b>1.237102</b>	<b>4.435884</b>	
fsWithHunger#							
Race							
1 1	<b>.3770283</b>	<b>.2302691</b>	<b>-1.60</b>	<b>0.115</b>	<b>.1112981</b>	<b>1.277204</b>	
1 2	<b>1.168475</b>	<b>.6159177</b>	<b>0.30</b>	<b>0.769</b>	<b>.4076572</b>	<b>3.349221</b>	
1 3	<b>.0542269</b>	<b>.0546829</b>	<b>-2.89</b>	<b>0.005</b>	<b>.007233</b>	<b>.4065495</b>	
2 1	<b>.9186381</b>	<b>.4896602</b>	<b>-0.16</b>	<b>0.874</b>	<b>.3167287</b>	<b>2.664413</b>	
2 2	<b>1.474842</b>	<b>.7140268</b>	<b>0.80</b>	<b>0.425</b>	<b>.5606683</b>	<b>3.879582</b>	
2 3	<b>.8740683</b>	<b>.467661</b>	<b>-0.25</b>	<b>0.802</b>	<b>.3001536</b>	<b>2.545348</b>	
1.Male	<b>7.167151</b>	<b>1.802526</b>	<b>7.83</b>	<b>0.000</b>	<b>4.336565</b>	<b>11.84533</b>	
fsWithHunger#							
Male							
1 1	<b>.3285142</b>	<b>.1730745</b>	<b>-2.11</b>	<b>0.039</b>	<b>.1146742</b>	<b>.9411144</b>	
2 1	<b>1.014913</b>	<b>.38796</b>	<b>0.04</b>	<b>0.969</b>	<b>.4729111</b>	<b>2.178102</b>	
Race#Male							
1 1	<b>.3685793</b>	<b>.1347269</b>	<b>-2.73</b>	<b>0.008</b>	<b>.1775807</b>	<b>.7650083</b>	
2 1	<b>.477907</b>	<b>.1814297</b>	<b>-1.94</b>	<b>0.056</b>	<b>.2238577</b>	<b>1.020269</b>	
3 1	<b>.3751132</b>	<b>.1299422</b>	<b>-2.83</b>	<b>0.006</b>	<b>.1877663</b>	<b>.7493883</b>	
fsWithHunger#							
Race#Male							
1 1 1	<b>2.128996</b>	<b>1.347855</b>	<b>1.19</b>	<b>0.237</b>	<b>.6010361</b>	<b>7.541354</b>	
1 2 1	<b>.8161204</b>	<b>.5491889</b>	<b>-0.30</b>	<b>0.764</b>	<b>.2127754</b>	<b>3.130308</b>	
1 3 1	<b>10.91959</b>	<b>15.50695</b>	<b>1.68</b>	<b>0.097</b>	<b>.6399104</b>	<b>186.3345</b>	
2 1 1	<b>.5678992</b>	<b>.3101212</b>	<b>-1.04</b>	<b>0.304</b>	<b>.1907596</b>	<b>1.69066</b>	
2 2 1	<b>.4512084</b>	<b>.2549178</b>	<b>-1.41</b>	<b>0.164</b>	<b>.1459521</b>	<b>1.394904</b>	
2 3 1	<b>.7551171</b>	<b>.4900447</b>	<b>-0.43</b>	<b>0.667</b>	<b>.2065239</b>	<b>2.760949</b>	
age4							
2	<b>.6912973</b>	<b>.0822732</b>	<b>-3.10</b>	<b>0.003</b>	<b>.5450158</b>	<b>.8768406</b>	
3	<b>.6670443</b>	<b>.0902645</b>	<b>-2.99</b>	<b>0.004</b>	<b>.5090384</b>	<b>.8740954</b>	
4	<b>.4821335</b>	<b>.0651039</b>	<b>-5.40</b>	<b>0.000</b>	<b>.3681394</b>	<b>.6314258</b>	
edu							
1	<b>1.213733</b>	<b>.1333476</b>	<b>1.76</b>	<b>0.083</b>	<b>.974548</b>	<b>1.511621</b>	
2	<b>.9542672</b>	<b>.119742</b>	<b>-0.37</b>	<b>0.710</b>	<b>.7426816</b>	<b>1.226132</b>	
BMIcat							
2	<b>.1355489</b>	<b>.0297055</b>	<b>-9.12</b>	<b>0.000</b>	<b>.0874905</b>	<b>.2100057</b>	
3	<b>.0240111</b>	<b>.0056991</b>	<b>-15.71</b>	<b>0.000</b>	<b>.0149446</b>	<b>.038578</b>	
4	<b>.0133782</b>	<b>.0047681</b>	<b>-12.10</b>	<b>0.000</b>	<b>.0065641</b>	<b>.0272659</b>	
5	<b>.0170376</b>	<b>.0096356</b>	<b>-7.20</b>	<b>0.000</b>	<b>.0055048</b>	<b>.0527325</b>	
6	<b>.0241065</b>	<b>.0157324</b>	<b>-5.71</b>	<b>0.000</b>	<b>.0065451</b>	<b>.0887869</b>	
_cons	<b>.5727665</b>	<b>.1608665</b>	<b>-1.98</b>	<b>0.052</b>	<b>.3268163</b>	<b>1.00381</b>	

Note: **\_cons** estimates baseline relative risk for each outcome.

```

190 .
191 .
192 .
    end of do-file

193 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

194 . svy: mlogit consid i.fsWithHunger, rrr baseoutcome(1)
      (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>19,179</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>261,949,218</b>
			Design df	=	<b>64</b>
			F( <b>4</b> , <b>61</b> )	=	<b>22.05</b>
			Prob > F	=	<b>0.0000</b>

consid	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>about_right</b>	(base outcome)					
<b>too_thin</b>						
fsWithHunger						
1	<b>2.799083</b>	<b>.3460577</b>	<b>8.33</b>	<b>0.000</b>	<b>2.186511</b>	<b>3.583271</b>
2	<b>1.893776</b>	<b>.2013376</b>	<b>6.01</b>	<b>0.000</b>	<b>1.531401</b>	<b>2.341899</b>
_cons	<b>.0917769</b>	<b>.005894</b>	<b>-37.19</b>	<b>0.000</b>	<b>.0807263</b>	<b>.1043402</b>
<b>too_big</b>						
fsWithHunger						
1	<b>.9341023</b>	<b>.0793536</b>	<b>-0.80</b>	<b>0.425</b>	<b>.7882973</b>	<b>1.106876</b>
2	<b>1.073212</b>	<b>.0571929</b>	<b>1.33</b>	<b>0.190</b>	<b>.9648273</b>	<b>1.193771</b>
_cons	<b>1.383052</b>	<b>.0461523</b>	<b>9.72</b>	<b>0.000</b>	<b>1.293858</b>	<b>1.478395</b>

Note: **\_cons** estimates baseline relative risk for each outcome.

```

195 .
    end of do-file

196 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

197 . mlogtest, wald

```

#### Wald tests for independent variables (N=19179)

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>40.884</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.fsWithHunger	<b>17.786</b>	<b>2</b>	<b>2</b>	<b>0.000</b>

```

198 . listcoef, help
      note: pweights are treated as aweights to compute standard deviations

      mlogit (N=19179): Factor change in the odds of consid

```

## Variable: 1.fsWithHunger (sd=.)

	b	t	P> t	e^b	e^bStdX
about right vs too thin	-1.0293	-8.325	0.000	0.357	.
about right vs too big	0.0682	0.802	0.425	1.071	.
too thin vs about right	1.0293	8.325	0.000	2.799	.
too thin vs too big	1.0975	8.765	0.000	2.997	.
too big vs about right	-0.0682	-0.802	0.425	0.934	.
too big vs too thin	-1.0975	-8.765	0.000	0.334	.

## Variable: 2.fsWithHunger (sd=.)

	b	t	P> t	e^b	e^bStdX
about right vs too thin	-0.6386	-6.006	0.000	0.528	.
about right vs too big	-0.0707	-1.326	0.190	0.932	.
too thin vs about right	0.6386	6.006	0.000	1.894	.
too thin vs too big	0.5679	5.368	0.000	1.765	.
too big vs about right	0.0707	1.326	0.190	1.073	.
too big vs too thin	-0.5679	-5.368	0.000	0.567	.

b = raw coefficient

t = t-score for test of b=0

P&gt;|t| = p-value for t-test

e^b = exp(b) = factor change in odds for unit increase in X

e^bStdX = exp(b\*SD of X) = change in odds for SD increase in X

199.

end of do-file

200 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

201 .

202 . //adjust for confounders except BMIcat

203 . svy: mlogit consid i.fsWithHunger i.age4 i.edu i.Race, rrr baseoutcome(1)  
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	60	Number of obs	=	14,503
Number of PSUs	=	124	Population size	=	211,868,989
			Design df	=	64
			F( 20, 45)	=	18.14
			Prob > F	=	0.0000

consid	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>about_right</b>	(base outcome)					
<b>too_thin</b>						
fsWithHunger						
1	2.670485	.3570657	7.35	0.000	2.044488	3.488155
2	1.731205	.1851685	5.13	0.000	1.398139	2.143615
age4						
2	.7286972	.1015638	-2.27	0.027	.5515984	.9626561
3	.752008	.1075635	-1.99	0.051	.5650994	1.000737
4	.8527517	.1187981	-1.14	0.257	.6455882	1.126392
edu						
1	1.14692	.1449392	1.08	0.282	.8910287	1.476299
2	.6514162	.093942	-2.97	0.004	.4883598	.8689148
Race						
1	1.348417	.1430706	2.82	0.006	1.09086	1.666783
2	.7829545	.1126617	-1.70	0.094	.5873465	1.043707
3	1.132443	.2026788	0.69	0.490	.7920217	1.619181

	<b>_cons</b>	<b>.1277093</b>	<b>.0199368</b>	<b>-13.18</b>	<b>0.000</b>	<b>.0934932</b>	<b>.1744476</b>
<b>too_big</b>							
fsWithHunger							
1	<b>1.146227</b>	<b>.1037523</b>	<b>1.51</b>	<b>0.137</b>	<b>.956618</b>	<b>1.373419</b>	
2	<b>1.288352</b>	<b>.0767301</b>	<b>4.25</b>	<b>0.000</b>	<b>1.143834</b>	<b>1.45113</b>	
age4							
2	<b>1.575576</b>	<b>.1107085</b>	<b>6.47</b>	<b>0.000</b>	<b>1.369231</b>	<b>1.813017</b>	
3	<b>1.950054</b>	<b>.1355321</b>	<b>9.61</b>	<b>0.000</b>	<b>1.697254</b>	<b>2.240508</b>	
4	<b>2.309628</b>	<b>.1804777</b>	<b>10.71</b>	<b>0.000</b>	<b>1.975815</b>	<b>2.699839</b>	
edu							
1	<b>1.503047</b>	<b>.1083439</b>	<b>5.65</b>	<b>0.000</b>	<b>1.301467</b>	<b>1.735849</b>	
2	<b>1.418666</b>	<b>.0831262</b>	<b>5.97</b>	<b>0.000</b>	<b>1.261953</b>	<b>1.594839</b>	
Race							
1	<b>.9444735</b>	<b>.0473568</b>	<b>-1.14</b>	<b>0.259</b>	<b>.8544513</b>	<b>1.04398</b>	
2	<b>1.135069</b>	<b>.0569965</b>	<b>2.52</b>	<b>0.014</b>	<b>1.026731</b>	<b>1.25484</b>	
3	<b>.6722688</b>	<b>.0487149</b>	<b>-5.48</b>	<b>0.000</b>	<b>.5816657</b>	<b>.7769847</b>	
<b>_cons</b>	<b>.5948098</b>	<b>.0462471</b>	<b>-6.68</b>	<b>0.000</b>	<b>.5092383</b>	<b>.6947607</b>	

Note: **\_cons** estimates baseline relative risk for each outcome.

204 . mlogtest, wald

**Wald tests for independent variables (N=14503)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>26.567</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.fsWithHunger	<b>18.881</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.age4	<b>27.331</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
3.age4	<b>54.046</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
4.age4	<b>62.035</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.edu	<b>15.732</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.edu	<b>28.320</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.Race	<b>6.028</b>	<b>2</b>	<b>2</b>	<b>0.004</b>
2.Race	<b>6.172</b>	<b>2</b>	<b>2</b>	<b>0.004</b>
3.Race	<b>15.703</b>	<b>2</b>	<b>2</b>	<b>0.000</b>

205 .  
end of do-file

206 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

207 . listcoef, help  
**note: pweights are treated as aweights to compute standard deviations**

**mlogit (N=14503): Factor change in the odds of consid**

**Variable: 1.fsWithHunger (sd=.)**

	b	t	P> t	e^b	e^bStdX
about right vs too thin	-0.9823	-7.346	0.000	0.374	.
about right vs too big	-0.1365	-1.508	0.137	0.872	.
too thin vs about right	0.9823	7.346	0.000	2.670	.
too thin vs too big	0.8458	5.867	0.000	2.330	.
too big vs about right	0.1365	1.508	0.137	1.146	.
too big vs too thin	-0.8458	-5.867	0.000	0.429	.

**Variable: 2.fsWithHunger (sd=.)**

	b	t	P> t	e^b	e^bStdX
about right vs too thin	-0.5488	-5.131	0.000	0.578	.
about right vs too big	-0.2534	-4.254	0.000	0.776	.
too thin vs about right	0.5488	5.131	0.000	1.731	.
too thin vs too big	0.2955	2.599	0.012	1.344	.
too big vs about right	0.2534	4.254	0.000	1.288	.
too big vs too thin	-0.2955	-2.599	0.012	0.744	.

**Variable: 2.age4 (sd=.)**

	b	t	P> t	e^b	e^bStdX
about right vs too thin	0.3165	2.271	0.027	1.372	.
about right vs too big	-0.4546	-6.470	0.000	0.635	.
too thin vs about right	-0.3165	-2.271	0.027	0.729	.
too thin vs too big	-0.7711	-5.413	0.000	0.462	.
too big vs about right	0.4546	6.470	0.000	1.576	.
too big vs too thin	0.7711	5.413	0.000	2.162	.

**Variable: 3.age4 (sd=.)**

	b	t	P> t	e^b	e^bStdX
about right vs too thin	0.2850	1.993	0.051	1.330	.
about right vs too big	-0.6679	-9.609	0.000	0.513	.
too thin vs about right	-0.2850	-1.993	0.051	0.752	.
too thin vs too big	-0.9529	-6.580	0.000	0.386	.
too big vs about right	0.6679	9.609	0.000	1.950	.
too big vs too thin	0.9529	6.580	0.000	2.593	.

**Variable: 4.age4 (sd=.)**

	b	t	P> t	e^b	e^bStdX
about right vs too thin	0.1593	1.143	0.257	1.173	.
about right vs too big	-0.8371	-10.712	0.000	0.433	.
too thin vs about right	-0.1593	-1.143	0.257	0.853	.
too thin vs too big	-0.9964	-6.851	0.000	0.369	.
too big vs about right	0.8371	10.712	0.000	2.310	.
too big vs too thin	0.9964	6.851	0.000	2.708	.

**Variable: 1.edu (sd=.)**

	b	t	P> t	e^b	e^bStdX
about right vs too thin	-0.1371	-1.085	0.282	0.872	.
about right vs too big	-0.4075	-5.653	0.000	0.665	.
too thin vs about right	0.1371	1.085	0.282	1.147	.
too thin vs too big	-0.2704	-2.049	0.045	0.763	.
too big vs about right	0.4075	5.653	0.000	1.503	.
too big vs too thin	0.2704	2.049	0.045	1.311	.

**Variable: 2.edu (sd=.)**

	b	t	P> t	e^b	e^bStdX
about right vs too thin	0.4286	2.972	0.004	1.535	.
about right vs too big	-0.3497	-5.968	0.000	0.705	.
too thin vs about right	-0.4286	-2.972	0.004	0.651	.
too thin vs too big	-0.7783	-5.525	0.000	0.459	.
too big vs about right	0.3497	5.968	0.000	1.419	.
too big vs too thin	0.7783	5.525	0.000	2.178	.

## Variable: 1.Race (sd=.)

	b	t	P> t	e^b	e^bStdX
about right vs too thin	-0.2989	-2.817	0.006	0.742	.
about right vs too big	0.0571	1.139	0.259	1.059	.
too thin vs about right	0.2989	2.817	0.006	1.348	.
too thin vs too big	0.3561	3.459	0.001	1.428	.
too big vs about right	-0.0571	-1.139	0.259	0.944	.
too big vs too thin	-0.3561	-3.459	0.001	0.700	.

## Variable: 2.Race (sd=.)

	b	t	P> t	e^b	e^bStdX
about right vs too thin	0.2447	1.700	0.094	1.277	.
about right vs too big	-0.1267	-2.523	0.014	0.881	.
too thin vs about right	-0.2447	-1.700	0.094	0.783	.
too thin vs too big	-0.3714	-2.675	0.009	0.690	.
too big vs about right	0.1267	2.523	0.014	1.135	.
too big vs too thin	0.3714	2.675	0.009	1.450	.

## Variable: 3.Race (sd=.)

	b	t	P> t	e^b	e^bStdX
about right vs too thin	-0.1244	-0.695	0.490	0.883	.
about right vs too big	0.3971	5.480	0.000	1.488	.
too thin vs about right	0.1244	0.695	0.490	1.132	.
too thin vs too big	0.5215	2.822	0.006	1.685	.
too big vs about right	-0.3971	-5.480	0.000	0.672	.
too big vs too thin	-0.5215	-2.822	0.006	0.594	.

b = raw coefficient

t = t-score for test of b=0

P&gt;|t| = p-value for t-test

e^b = exp(b) = factor change in odds for unit increase in X

e^bStdX = exp(b\*SD of X) = change in odds for SD increase in X

208 .  
end of do-file

209 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

210 . //adjust for confounders, male not race, except BMICat  
211 . svy: mlogit consid i.fsWithHunger i.age4 i.edu i.Male, rrr baseoutcome(1)  
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	60	Number of obs	=	14,503
Number of PSUs	=	124	Population size	=	211,868,989
			Design df	=	64
			F( 16, 49)	=	32.75
			Prob > F	=	0.0000

consid	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>about_right</b>	(base outcome)					
<b>too_thin</b>						
fsWithHunger						
1	2.744842	.3616465	7.66	0.000	2.10963	3.571316
2	1.749831	.1837791	5.33	0.000	1.418647	2.158329
<b>age4</b>						
2	.7237932	.1008418	-2.32	0.024	.5479445	.9560761
3	.7602377	.109088	-1.91	0.061	.5707624	1.012613

4	<b>.8711623</b>	<b>.1208163</b>	<b>-0.99</b>	<b>0.324</b>	<b>.6603535</b>	<b>1.149269</b>
edu						
1	<b>1.199593</b>	<b>.1465139</b>	<b>1.49</b>	<b>0.141</b>	<b>.9398708</b>	<b>1.531087</b>
2	<b>.7076895</b>	<b>.098098</b>	<b>-2.49</b>	<b>0.015</b>	<b>.5365103</b>	<b>.9334853</b>
1.Male	<b>1.40051</b>	<b>.1421352</b>	<b>3.32</b>	<b>0.001</b>	<b>1.143496</b>	<b>1.71529</b>
_cons	<b>.0991708</b>	<b>.015701</b>	<b>-14.60</b>	<b>0.000</b>	<b>.0722807</b>	<b>.1360647</b>
<b>too_big</b>						
fsWithHunger						
1	<b>1.133786</b>	<b>.0935833</b>	<b>1.52</b>	<b>0.133</b>	<b>.9614322</b>	<b>1.337037</b>
2	<b>1.270793</b>	<b>.0767873</b>	<b>3.97</b>	<b>0.000</b>	<b>1.12629</b>	<b>1.433836</b>
age4						
2	<b>1.588092</b>	<b>.1140433</b>	<b>6.44</b>	<b>0.000</b>	<b>1.375853</b>	<b>1.833073</b>
3	<b>1.951436</b>	<b>.135242</b>	<b>9.65</b>	<b>0.000</b>	<b>1.699128</b>	<b>2.24121</b>
4	<b>2.324755</b>	<b>.1878179</b>	<b>10.44</b>	<b>0.000</b>	<b>1.978259</b>	<b>2.73194</b>
edu						
1	<b>1.481153</b>	<b>.1055318</b>	<b>5.51</b>	<b>0.000</b>	<b>1.284646</b>	<b>1.707719</b>
2	<b>1.305976</b>	<b>.0753166</b>	<b>4.63</b>	<b>0.000</b>	<b>1.163858</b>	<b>1.465448</b>
1.Male	<b>.5650978</b>	<b>.0232521</b>	<b>-13.87</b>	<b>0.000</b>	<b>.5205043</b>	<b>.6135118</b>
_cons	<b>.8187138</b>	<b>.0669675</b>	<b>-2.45</b>	<b>0.017</b>	<b>.6952896</b>	<b>.9640477</b>

Note: **\_cons** estimates baseline relative risk for each outcome.

212 .  
end of do-file

213 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

214 . mlogtest, wald

#### Wald tests for independent variables (N=14503)

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>29.068</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.fsWithHunger	<b>18.471</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.age4	<b>27.148</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
3.age4	<b>54.538</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
4.age4	<b>56.990</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.edu	<b>14.985</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.edu	<b>16.934</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.Male	<b>121.604</b>	<b>2</b>	<b>2</b>	<b>0.000</b>

215 . listcoef, help  
note: pweights are treated as aweights to compute standard deviations

mlogit (N=14503): Factor change in the odds of consid

Variable: 1.fsWithHunger (sd=.)

	b	t	P> t	e^b	e^bStdX
about right vs too thin	<b>-1.0097</b>	<b>-7.664</b>	<b>0.000</b>	<b>0.364</b>	.
about right vs too big	<b>-0.1256</b>	<b>-1.521</b>	<b>0.133</b>	<b>0.882</b>	.
too thin vs about right	<b>1.0097</b>	<b>7.664</b>	<b>0.000</b>	<b>2.745</b>	.
too thin vs too big	<b>0.8842</b>	<b>6.537</b>	<b>0.000</b>	<b>2.421</b>	.
too big vs about right	<b>0.1256</b>	<b>1.521</b>	<b>0.133</b>	<b>1.134</b>	.
too big vs too thin	<b>-0.8842</b>	<b>-6.537</b>	<b>0.000</b>	<b>0.413</b>	.

**Variable: 2.fsWithHunger (sd=.)**

	b	t	P> t	e^b	e^bStdX
about right vs too thin	-0.5595	-5.327	0.000	0.571	.
about right vs too big	-0.2396	-3.966	0.000	0.787	.
too thin vs about right	0.5595	5.327	0.000	1.750	.
too thin vs too big	0.3199	2.883	0.005	1.377	.
too big vs about right	0.2396	3.966	0.000	1.271	.
too big vs too thin	-0.3199	-2.883	0.005	0.726	.

**Variable: 2.age4 (sd=.)**

	b	t	P> t	e^b	e^bStdX
about right vs too thin	0.3232	2.320	0.024	1.382	.
about right vs too big	-0.4625	-6.441	0.000	0.630	.
too thin vs about right	-0.3232	-2.320	0.024	0.724	.
too thin vs too big	-0.7858	-5.485	0.000	0.456	.
too big vs about right	0.4625	6.441	0.000	1.588	.
too big vs too thin	0.7858	5.485	0.000	2.194	.

**Variable: 3.age4 (sd=.)**

	b	t	P> t	e^b	e^bStdX
about right vs too thin	0.2741	1.910	0.061	1.315	.
about right vs too big	-0.6686	-9.647	0.000	0.512	.
too thin vs about right	-0.2741	-1.910	0.061	0.760	.
too thin vs too big	-0.9427	-6.525	0.000	0.390	.
too big vs about right	0.6686	9.647	0.000	1.951	.
too big vs too thin	0.9427	6.525	0.000	2.567	.

**Variable: 4.age4 (sd=.)**

	b	t	P> t	e^b	e^bStdX
about right vs too thin	0.1379	0.995	0.324	1.148	.
about right vs too big	-0.8436	-10.442	0.000	0.430	.
too thin vs about right	-0.1379	-0.995	0.324	0.871	.
too thin vs too big	-0.9815	-6.561	0.000	0.375	.
too big vs about right	0.8436	10.442	0.000	2.325	.
too big vs too thin	0.9815	6.561	0.000	2.669	.

**Variable: 1.edu (sd=.)**

	b	t	P> t	e^b	e^bStdX
about right vs too thin	-0.1820	-1.490	0.141	0.834	.
about right vs too big	-0.3928	-5.513	0.000	0.675	.
too thin vs about right	0.1820	1.490	0.141	1.200	.
too thin vs too big	-0.2108	-1.668	0.100	0.810	.
too big vs about right	0.3928	5.513	0.000	1.481	.
too big vs too thin	0.2108	1.668	0.100	1.235	.

**Variable: 2.edu (sd=.)**

	b	t	P> t	e^b	e^bStdX
about right vs too thin	0.3457	2.494	0.015	1.413	.
about right vs too big	-0.2670	-4.629	0.000	0.766	.
too thin vs about right	-0.3457	-2.494	0.015	0.708	.
too thin vs too big	-0.6127	-4.443	0.000	0.542	.
too big vs about right	0.2670	4.629	0.000	1.306	.
too big vs too thin	0.6127	4.443	0.000	1.845	.

## Variable: 1.Male (sd=.)

	b	t	P> t	e^b	e^bStdX
about right vs too thin	-0.3368	-3.319	0.001	0.714	.
about right vs too big	0.5708	13.871	0.000	1.770	.
too thin vs about right	0.3368	3.319	0.001	1.401	.
too thin vs too big	0.9076	9.211	0.000	2.478	.
too big vs about right	-0.5708	-13.871	0.000	0.565	.
too big vs too thin	-0.9076	-9.211	0.000	0.403	.

b = raw coefficient

t = t-score for test of b=0

P&gt;|t| = p-value for t-test

e^b = exp(b) = factor change in odds for unit increase in X

e^bStdX = exp(b\*SD of X) = change in odds for SD increase in X

216 .  
end of do-file

217 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

218 . //add BMICat

219 . svy: mlogit consid i.fsWithHunger i.age4 i.edu i.Race i.BMICat, rrr baseoutco  
> me(1)  
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	60	Number of obs	=	14,370
Number of PSUs	=	124	Population size	=	210,228,660
			Design df	=	64
			F( 30, 35)	=	69.91
			Prob > F	=	0.0000

consid	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>about_right</b>	(base outcome)					
<b>too_thin</b>						
fsWithHunger						
1	2.707441	.3848712	7.01	0.000	2.038105	3.596595
2	1.719977	.1927239	4.84	0.000	1.375015	2.151482
age4						
2	.9000245	.1278594	-0.74	0.461	.6776428	1.195385
3	.8874246	.1313615	-0.81	0.423	.6602434	1.192776
4	1.047551	.152743	0.32	0.751	.7828349	1.40178
edu						
1	1.180411	.145464	1.35	0.183	.9228198	1.509904
2	.6602824	.0912949	-3.00	0.004	.500921	.8703423
Race						
1	1.631627	.2013738	3.97	0.000	1.275094	2.087851
2	1.193449	.1667649	1.27	0.210	.9027569	1.577747
3	.9859755	.1868294	-0.07	0.941	.6752534	1.439678
BMICat						
2	.1238694	.0204821	-12.63	0.000	.0890234	.1723551
3	.0212966	.0047898	-17.11	0.000	.0135887	.0333767
4	.034928	.0114293	-10.25	0.000	.0181666	.0671542
5	.0769908	.0390061	-5.06	0.000	.0279822	.211834
6	.3317347	.1836724	-1.99	0.051	.1097546	1.002672
_cons	1.051608	.1972784	0.27	0.789	.7229264	1.529725
<b>too_big</b>						
fsWithHunger						
1	.892909	.1130528	-0.89	0.374	.6933594	1.149889

	<b>2</b>	<b>1.094208</b>	<b>.0779139</b>	<b>1.26</b>	<b>0.211</b>	<b>.9491208</b>	<b>1.261474</b>
age4							
2	<b>1.304327</b>	<b>.0974308</b>	<b>3.56</b>	<b>0.001</b>	<b>1.123513</b>	<b>1.514241</b>	
3	<b>1.65533</b>	<b>.1309538</b>	<b>6.37</b>	<b>0.000</b>	<b>1.413345</b>	<b>1.938746</b>	
4	<b>1.853855</b>	<b>.1393084</b>	<b>8.21</b>	<b>0.000</b>	<b>1.595436</b>	<b>2.15413</b>	
edu							
1	<b>1.590335</b>	<b>.1477765</b>	<b>4.99</b>	<b>0.000</b>	<b>1.320898</b>	<b>1.91473</b>	
2	<b>1.885513</b>	<b>.1714418</b>	<b>6.97</b>	<b>0.000</b>	<b>1.572324</b>	<b>2.261086</b>	
Race							
1	<b>.4665158</b>	<b>.0348423</b>	<b>-10.21</b>	<b>0.000</b>	<b>.401854</b>	<b>.5415822</b>	
2	<b>.8349936</b>	<b>.0532902</b>	<b>-2.83</b>	<b>0.006</b>	<b>.7350413</b>	<b>.9485376</b>	
3	<b>1.086902</b>	<b>.0922231</b>	<b>0.98</b>	<b>0.330</b>	<b>.9174337</b>	<b>1.287674</b>	
BMICat							
2	<b>9.975757</b>	<b>6.238166</b>	<b>3.68</b>	<b>0.000</b>	<b>2.860259</b>	<b>34.79255</b>	
3	<b>74.21123</b>	<b>46.3854</b>	<b>6.89</b>	<b>0.000</b>	<b>21.29013</b>	<b>258.6789</b>	
4	<b>347.9876</b>	<b>218.9779</b>	<b>9.30</b>	<b>0.000</b>	<b>98.99374</b>	<b>1223.263</b>	
5	<b>1295.906</b>	<b>851.6548</b>	<b>10.91</b>	<b>0.000</b>	<b>348.6539</b>	<b>4816.731</b>	
6	<b>3795.587</b>	<b>2660.692</b>	<b>11.76</b>	<b>0.000</b>	<b>935.6054</b>	<b>15398.03</b>	
_cons		<b>.0087372</b>	<b>.0055141</b>	<b>-7.51</b>	<b>0.000</b>	<b>.0024764</b>	<b>.0308264</b>

Note: **\_cons** estimates baseline relative risk for each outcome.

220 . mlogtest, wald

#### Wald tests for independent variables (N=14370)

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>24.275</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.fsWithHunger	<b>11.568</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.age4	<b>6.596</b>	<b>2</b>	<b>2</b>	<b>0.003</b>
3.age4	<b>21.453</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
4.age4	<b>33.214</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.edu	<b>12.540</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.edu	<b>29.409</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.Race	<b>61.897</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.Race	<b>5.171</b>	<b>2</b>	<b>2</b>	<b>0.008</b>
3.Race	<b>0.556</b>	<b>2</b>	<b>2</b>	<b>0.576</b>
2.BMICat	<b>83.314</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
3.BMICat	<b>163.562</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
4.BMICat	<b>122.318</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
5.BMICat	<b>84.931</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
6.BMICat	<b>77.451</b>	<b>2</b>	<b>2</b>	<b>0.000</b>

221 .  
end of do-file

222 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

223 . svy: mlogit consid i.fsWithHunger i.age4 i.edu i.Male i.BMICat, rrr baseoutco  
> me(1)  
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>14,370</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>210,228,660</b>
			Design df	=	<b>64</b>
			F( <b>26</b> , <b>39</b> )	=	<b>102.11</b>
			Prob > F	=	<b>0.0000</b>

consid		Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]		
<b>about_right</b>	(base outcome)						
<b>too_thin</b>							
fsWithHungry							
1	<b>2.742878</b>	.3746712	7.39	0.000	2.087824	3.603456	
2	<b>1.772313</b>	.1903386	5.33	0.000	1.430091	2.196429	
age4							
2	<b>.9318044</b>	.1335199	-0.49	0.624	.699849	1.240638	
3	<b>.9390135</b>	.1371615	-0.43	0.668	.7013605	1.257194	
4	<b>1.071099</b>	.1560227	0.47	0.639	.8006622	1.43288	
edu							
1	<b>1.1662</b>	.147448	1.22	0.228	.9058952	1.501302	
2	<b>.6877034</b>	.0974652	-2.64	0.010	.518131	.912773	
1.Male	<b>2.318595</b>	.2575046	7.57	0.000	1.857241	2.894552	
BMIcat							
2	<b>.0969434</b>	.0168397	-13.43	0.000	.0685189	.1371596	
3	<b>.0145146</b>	.0034225	-17.95	0.000	.0090621	.0232479	
4	<b>.0250579</b>	.0085953	-10.75	0.000	.0126282	.049722	
5	<b>.0587722</b>	.0304813	-5.46	0.000	.0208546	.165631	
6	<b>.2768709</b>	.1560849	-2.28	0.026	.0897779	.853857	
_cons	<b>.8562732</b>	.1591089	-0.84	0.407	.5907425	1.241157	
<b>too_big</b>							
fsWithHungry							
1	<b>.8032684</b>	.0922376	-1.91	0.061	.63861	1.010382	
2	<b>.9393598</b>	.0713875	-0.82	0.413	.8070449	1.093368	
age4							
2	<b>1.323216</b>	.1070408	3.46	0.001	1.125762	1.555303	
3	<b>1.69284</b>	.1350493	6.60	0.000	1.443448	1.98532	
4	<b>1.947707</b>	.1575536	8.24	0.000	1.657073	2.289315	
edu							
1	<b>1.724689</b>	.1612406	5.83	0.000	1.430865	2.078848	
2	<b>1.937892</b>	.1789156	7.17	0.000	1.611492	2.330402	
1.Male	<b>.2992577</b>	.018081	-19.97	0.000	.2652315	.3376491	
BMIcat							
2	<b>12.83345</b>	8.008457	4.09	0.000	3.68921	44.64302	
3	<b>130.5283</b>	80.8641	7.86	0.000	37.86278	449.9837	
4	<b>612.8908</b>	380.6844	10.33	0.000	177.2105	2119.711	
5	<b>1939.723</b>	1255.937	11.69	0.000	532.0861	7071.274	
6	<b>5071.274</b>	3527.763	12.26	0.000	1263.516	20354.17	
_cons	<b>.0090034</b>	.0056494	-7.51	0.000	.0025705	.0315356	

Note: **\_cons** estimates baseline relative risk for each outcome.

224 . mlogtest, wald

**Wald tests for independent variables (N=14370)**

H0: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>28.496</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.fsWithHunger	<b>15.640</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.age4	<b>6.057</b>	<b>2</b>	<b>2</b>	<b>0.004</b>
3.age4	<b>22.126</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
4.age4	<b>33.816</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.edu	<b>16.808</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.edu	<b>28.854</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.Male	<b>203.433</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.BMICat	<b>95.733</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
3.BMICat	<b>188.453</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
4.BMICat	<b>140.783</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
5.BMICat	<b>96.331</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
6.BMICat	<b>85.181</b>	<b>2</b>	<b>2</b>	<b>0.000</b>

  

225 .	
end of do-file	
226 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"	
227 . svy: mlogit consid i.fsWithHunger##i.Male i.age4 i.edu i.Race i.BMICat, rrr b > aseoutcome(1)	(running mlogit on estimation sample)
Survey: Multinomial logistic regression	
Number of strata = <b>60</b>	Number of obs = <b>14,370</b>
Number of PSUs = <b>124</b>	Population size = <b>210,228,660</b>
	Design df = <b>64</b>
	F( <b>36, 29</b> ) = <b>75.28</b>
	Prob > F = <b>0.0000</b>

  

consid	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>about_right</b>	(base outcome)					
<b>too_thin</b>						
fsWithHunger						
1	<b>3.800825</b>	<b>.9935856</b>	<b>5.11</b>	<b>0.000</b>	<b>2.254629</b>	<b>6.407384</b>
2	<b>1.879416</b>	<b>.3484262</b>	<b>3.40</b>	<b>0.001</b>	<b>1.297709</b>	<b>2.721876</b>
1.Male	<b>2.546379</b>	<b>.3703711</b>	<b>6.43</b>	<b>0.000</b>	<b>1.904277</b>	<b>3.404991</b>
fsWithHunger#						
Male						
1 1	<b>.5796985</b>	<b>.2068997</b>	<b>-1.53</b>	<b>0.132</b>	<b>.2841494</b>	<b>1.182654</b>
2 1	<b>.8529472</b>	<b>.1891139</b>	<b>-0.72</b>	<b>0.476</b>	<b>.5477203</b>	<b>1.328267</b>
age4						
2	<b>.9430523</b>	<b>.1354095</b>	<b>-0.41</b>	<b>0.684</b>	<b>.7078803</b>	<b>1.256353</b>
3	<b>.9571969</b>	<b>.1419197</b>	<b>-0.30</b>	<b>0.769</b>	<b>.711812</b>	<b>1.287174</b>
4	<b>1.092384</b>	<b>.1625412</b>	<b>0.59</b>	<b>0.555</b>	<b>.8114851</b>	<b>1.470518</b>
edu						
1	<b>1.198412</b>	<b>.1519791</b>	<b>1.43</b>	<b>0.158</b>	<b>.9302067</b>	<b>1.543949</b>
2	<b>.734683</b>	<b>.105134</b>	<b>-2.15</b>	<b>0.035</b>	<b>.5520075</b>	<b>.9778112</b>
Race						
1	<b>1.551801</b>	<b>.1953768</b>	<b>3.49</b>	<b>0.001</b>	<b>1.206707</b>	<b>1.995584</b>
2	<b>1.186817</b>	<b>.1663566</b>	<b>1.22</b>	<b>0.226</b>	<b>.896957</b>	<b>1.570348</b>
3	<b>.9653146</b>	<b>.1904649</b>	<b>-0.18</b>	<b>0.859</b>	<b>.6508537</b>	<b>1.431708</b>
BMICat						
2	<b>.0947544</b>	<b>.016748</b>	<b>-13.33</b>	<b>0.000</b>	<b>.0665655</b>	<b>.1348806</b>
3	<b>.0138567</b>	<b>.0032785</b>	<b>-18.09</b>	<b>0.000</b>	<b>.0086374</b>	<b>.0222297</b>
4	<b>.0233883</b>	<b>.0081416</b>	<b>-10.79</b>	<b>0.000</b>	<b>.0116675</b>	<b>.0468832</b>
5	<b>.053118</b>	<b>.0274833</b>	<b>-5.67</b>	<b>0.000</b>	<b>.0188948</b>	<b>.1493275</b>
6	<b>.2485276</b>	<b>.1390616</b>	<b>-2.49</b>	<b>0.015</b>	<b>.0812671</b>	<b>.7600371</b>

<u>_cons</u>	<b>.7298446</b>	<b>.1471419</b>	<b>-1.56</b>	<b>0.123</b>	<b>.4878828</b>	<b>1.091806</b>
<b>too_big</b>						
fsWithHunger						
1	<b>.8812392</b>	<b>.1595956</b>	<b>-0.70</b>	<b>0.488</b>	<b>.6137164</b>	<b>1.265377</b>
2	<b>.8985982</b>	<b>.0933209</b>	<b>-1.03</b>	<b>0.307</b>	<b>.7302364</b>	<b>1.105777</b>
1.Male	<b>.2724898</b>	<b>.0193759</b>	<b>-18.28</b>	<b>0.000</b>	<b>.2364056</b>	<b>.3140818</b>
fsWithHunger#						
Male						
1 1	<b>1.01667</b>	<b>.2164048</b>	<b>0.08</b>	<b>0.938</b>	<b>.6645151</b>	<b>1.555446</b>
2 1	<b>1.278566</b>	<b>.1875526</b>	<b>1.68</b>	<b>0.099</b>	<b>.9537945</b>	<b>1.713925</b>
age4						
2	<b>1.318285</b>	<b>.106886</b>	<b>3.41</b>	<b>0.001</b>	<b>1.121152</b>	<b>1.55008</b>
3	<b>1.673726</b>	<b>.1339844</b>	<b>6.43</b>	<b>0.000</b>	<b>1.426368</b>	<b>1.963982</b>
4	<b>1.906416</b>	<b>.1554899</b>	<b>7.91</b>	<b>0.000</b>	<b>1.619775</b>	<b>2.243781</b>
edu						
1	<b>1.701734</b>	<b>.1692371</b>	<b>5.35</b>	<b>0.000</b>	<b>1.395111</b>	<b>2.075748</b>
2	<b>1.855011</b>	<b>.188739</b>	<b>6.07</b>	<b>0.000</b>	<b>1.513812</b>	<b>2.273114</b>
Race						
1	<b>.4015697</b>	<b>.0308259</b>	<b>-11.89</b>	<b>0.000</b>	<b>.3444773</b>	<b>.4681243</b>
2	<b>.8190506</b>	<b>.0538488</b>	<b>-3.04</b>	<b>0.003</b>	<b>.7182405</b>	<b>.9340101</b>
3	<b>1.097577</b>	<b>.1005012</b>	<b>1.02</b>	<b>0.313</b>	<b>.9140954</b>	<b>1.317887</b>
BMIcat						
2	<b>13.16702</b>	<b>8.272001</b>	<b>4.10</b>	<b>0.000</b>	<b>3.753424</b>	<b>46.18992</b>
3	<b>146.5416</b>	<b>91.7179</b>	<b>7.97</b>	<b>0.000</b>	<b>41.97037</b>	<b>511.657</b>
4	<b>725.3036</b>	<b>456.1811</b>	<b>10.47</b>	<b>0.000</b>	<b>206.4616</b>	<b>2548.006</b>
5	<b>2423.137</b>	<b>1593.958</b>	<b>11.85</b>	<b>0.000</b>	<b>651.1217</b>	<b>9017.656</b>
6	<b>6592.229</b>	<b>4653.146</b>	<b>12.46</b>	<b>0.000</b>	<b>1609.282</b>	<b>27004.28</b>
<u>_cons</u>	<b>.0098057</b>	<b>.0062127</b>	<b>-7.30</b>	<b>0.000</b>	<b>.0027656</b>	<b>.0347673</b>

Note: \_cons estimates baseline relative risk for each outcome.

```

228 .
end of do-file

229 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

230 . //test if interaction terms simultaneously = 0
231 . test 2.fsWithHunger#1.Male 1.fsWithHunger#1.Male , nosvyadjust

```

Unadjusted Wald test

```

( 1) [about_right]2o.fsWithHunger#1o.Male = 0
( 2) [too_thin]2.fsWithHunger#1.Male = 0
( 3) [too_big]2.fsWithHunger#1.Male = 0
( 4) [about_right]1o.fsWithHunger#1o.Male = 0
( 5) [too_thin]1.fsWithHunger#1.Male = 0
( 6) [too_big]1.fsWithHunger#1.Male = 0
Constraint 1 dropped
Constraint 4 dropped

```

```

F( 4,      64) =    1.34
Prob > F =    0.2656

```

```

232 .
end of do-file

233 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
234 . mlogtest, wald

```

**Wald tests for independent variables (N=14370)**

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsWithHunger	<b>13.466</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.fsWithHunger	<b>7.392</b>	<b>2</b>	<b>2</b>	<b>0.001</b>
1.Male	<b>177.394</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.fsWithHunger#				
1.Male	<b>1.205</b>	<b>2</b>	<b>2</b>	<b>0.307</b>
2.fsWithHunger#				
1.Male	<b>1.587</b>	<b>2</b>	<b>2</b>	<b>0.213</b>
2.age4	<b>5.821</b>	<b>2</b>	<b>2</b>	<b>0.005</b>
3.age4	<b>21.124</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
4.age4	<b>31.329</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.edu	<b>14.253</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.edu	<b>20.889</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
1.Race	<b>77.829</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
2.Race	<b>5.802</b>	<b>2</b>	<b>2</b>	<b>0.005</b>
3.Race	<b>0.606</b>	<b>2</b>	<b>2</b>	<b>0.549</b>
2.BMICat	<b>95.775</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
3.BMICat	<b>195.419</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
4.BMICat	<b>145.943</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
5.BMICat	<b>100.657</b>	<b>2</b>	<b>2</b>	<b>0.000</b>
6.BMICat	<b>88.960</b>	<b>2</b>	<b>2</b>	<b>0.000</b>

```

235 .
end of do-file

236 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

237 . //model including interaction with Race
238 . svy: mlogit consid i.fsWithHunger##i.Race i.age4 i.edu i.Male i.BMICat, rrr b
> aseoutcome(1)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

```

Number of strata	=	<b>60</b>	Number of obs	=	<b>14,370</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>210,228,660</b>
			Design df	=	<b>64</b>
			F( <b>44, 21</b> )	=	<b>49.00</b>
			Prob > F	=	<b>0.0000</b>

consid	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>about_right</b>	(base outcome)					
<b>too_thin</b>						
fsWithHunger						
1	<b>3.45052</b>	<b>.7876893</b>	<b>5.43</b>	<b>0.000</b>	<b>2.18689</b>	<b>5.4443</b>
2	<b>1.87378</b>	<b>.3014226</b>	<b>3.90</b>	<b>0.000</b>	<b>1.358792</b>	<b>2.583951</b>
Race						
1	<b>1.79755</b>	<b>.2666783</b>	<b>3.95</b>	<b>0.000</b>	<b>1.336492</b>	<b>2.417662</b>
2	<b>1.304993</b>	<b>.2434139</b>	<b>1.43</b>	<b>0.158</b>	<b>.8990386</b>	<b>1.894252</b>
3	<b>1.105127</b>	<b>.2875513</b>	<b>0.38</b>	<b>0.702</b>	<b>.6571493</b>	<b>1.85849</b>
fsWithHunger#						
Race						
1 1	<b>.5997305</b>	<b>.2433801</b>	<b>-1.26</b>	<b>0.212</b>	<b>.2666056</b>	<b>1.349097</b>
1 2	<b>.610787</b>	<b>.2458681</b>	<b>-1.22</b>	<b>0.225</b>	<b>.2733016</b>	<b>1.365015</b>

1 3	.3031653	.1869746	-1.94	0.057	.0884286	1.03936
2 1	.7508457	.1547124	-1.39	0.169	.4974854	1.133238
2 2	.8448813	.2014785	-0.71	0.482	.5246851	1.360481
2 3	.7914718	.3699681	-0.50	0.619	.3110859	2.013681
age4						
2	.9325234	.1345694	-0.48	0.630	.6989704	1.244115
3	.9490222	.1400454	-0.35	0.724	.7067175	1.274403
4	1.099256	.1630288	0.64	0.526	.8173836	1.47833
edu						
1	1.189317	.1512352	1.36	0.178	.922512	1.533286
2	.7313048	.1048488	-2.18	0.033	.5491718	.9738423
1.Male	2.272318	.2557223	7.29	0.000	1.814808	2.845165
BMIcat						
2	.0951505	.0162718	-13.76	0.000	.0676148	.1338999
3	.0140385	.003331	-17.98	0.000	.0087389	.0225518
4	.0236297	.0081361	-10.88	0.000	.0118776	.0470096
5	.0528449	.0274172	-5.67	0.000	.0187443	.148983
6	.2500254	.1405493	-2.47	0.016	.0813336	.7685965
_cons	.7525331	.1511022	-1.42	0.162	.5038698	1.123913
<b>too_big</b>						
fsWithHunger						
1	1.179364	.2670132	0.73	0.469	.7502722	1.853861
2	1.124115	.1422406	0.92	0.359	.8730273	1.447416
Race						
1	.4387723	.0445207	-8.12	0.000	.3582667	.537368
2	.8874995	.0719276	-1.47	0.146	.7548367	1.043478
3	1.167068	.1221434	1.48	0.145	.9468789	1.438461
fsWithHunger#						
Race						
1 1	.4925296	.1436263	-2.43	0.018	.2750623	.8819289
1 2	.6484533	.1835504	-1.53	0.131	.36838	1.141462
1 3	.4040377	.2472044	-1.48	0.143	.1190124	1.371677
2 1	.8171549	.1526463	-1.08	0.284	.5626448	1.186792
2 2	.8056816	.1313263	-1.33	0.190	.5817601	1.115791
2 3	.8257297	.2275423	-0.69	0.490	.4761643	1.431921
age4						
2	1.317039	.1065672	3.40	0.001	1.120462	1.548104
3	1.673091	.1346748	6.39	0.000	1.424565	1.964975
4	1.909869	.1558123	7.93	0.000	1.62264	2.247942
edu						
1	1.68349	.1688649	5.19	0.000	1.377794	2.057011
2	1.837368	.1867761	5.98	0.000	1.499687	2.251084
1.Male	.2858672	.0172352	-20.77	0.000	.2534286	.3224579
BMIcat						
2	13.03816	8.187058	4.09	0.000	3.718965	45.70994
3	143.7941	90.00073	7.94	0.000	41.18207	502.081
4	712.0427	448.46	10.43	0.000	202.3349	2505.771
5	2382.264	1565.298	11.83	0.000	641.0915	8852.378
6	6485.94	4582.661	12.42	0.000	1581.122	26606.06
_cons	.0095719	.0060592	-7.34	0.000	.0027027	.0339003

Note: **\_cons** estimates baseline relative risk for each outcome.

```

239 .
end of do-file

240 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

241 . //3 way interaction?... Nope again
242 . svy: mlogit consid i.fsWithHunger##i.Race##i.Male i.age4 i.edu i.BMICat, rrr
> baseoutcome(1)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	<b>60</b>	Number of obs	=	<b>14,370</b>
Number of PSUs	=	<b>124</b>	Population size	=	<b>210,228,660</b>
		Design df	=	<b>64</b>	
		F( 64, 1)	=	.	
		Prob > F	=	.	

consid	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
<b>about_right</b>	(base outcome)					
<b>too_thin</b>						
fsWithHunger						
1	<b>4.067279</b>	<b>1.661275</b>	<b>3.43</b>	<b>0.001</b>	<b>1.798592</b>	<b>9.197616</b>
2	<b>1.452266</b>	<b>.4282483</b>	<b>1.27</b>	<b>0.210</b>	<b>.8057585</b>	<b>2.617504</b>
Race						
1	<b>2.915833</b>	<b>.7176645</b>	<b>4.35</b>	<b>0.000</b>	<b>1.783292</b>	<b>4.767635</b>
2	<b>1.302935</b>	<b>.381053</b>	<b>0.90</b>	<b>0.369</b>	<b>.7264171</b>	<b>2.337006</b>
3	<b>1.369387</b>	<b>.463128</b>	<b>0.93</b>	<b>0.356</b>	<b>.6967898</b>	<b>2.691227</b>
fsWithHunger#						
Race						
1 1	<b>.5688955</b>	<b>.3517957</b>	<b>-0.91</b>	<b>0.365</b>	<b>.1653945</b>	<b>1.956789</b>
1 2	<b>2.243644</b>	<b>1.398403</b>	<b>1.30</b>	<b>0.199</b>	<b>.6459519</b>	<b>7.793055</b>
1 3	<b>.1677825</b>	<b>.1766062</b>	<b>-1.70</b>	<b>0.095</b>	<b>.0204888</b>	<b>1.37397</b>
2 1	<b>1.023997</b>	<b>.4910533</b>	<b>0.05</b>	<b>0.961</b>	<b>.3928648</b>	<b>2.669033</b>
2 2	<b>1.887653</b>	<b>.807226</b>	<b>1.49</b>	<b>0.142</b>	<b>.8033506</b>	<b>4.435467</b>
2 3	<b>1.172053</b>	<b>.6995624</b>	<b>0.27</b>	<b>0.791</b>	<b>.3557146</b>	<b>3.861827</b>
1.Male	<b>2.954885</b>	<b>.5945613</b>	<b>5.38</b>	<b>0.000</b>	<b>1.976822</b>	<b>4.416859</b>
fsWithHunger#						
Male						
1 1	<b>.7706057</b>	<b>.3784283</b>	<b>-0.53</b>	<b>0.598</b>	<b>.2889154</b>	<b>2.055388</b>
2 1	<b>1.426078</b>	<b>.5118768</b>	<b>0.99</b>	<b>0.326</b>	<b>.6961863</b>	<b>2.921197</b>
Race#Male						
1 1	<b>.4799029</b>	<b>.1540919</b>	<b>-2.29</b>	<b>0.026</b>	<b>.2526824</b>	<b>.9114476</b>
2 1	<b>.9733414</b>	<b>.3916064</b>	<b>-0.07</b>	<b>0.947</b>	<b>.4357132</b>	<b>2.174351</b>
3 1	<b>.7029054</b>	<b>.2654883</b>	<b>-0.93</b>	<b>0.354</b>	<b>.3305233</b>	<b>1.494829</b>
fsWithHunger#						
Race#Male						
1 1 1	<b>1.061046</b>	<b>.7023379</b>	<b>0.09</b>	<b>0.929</b>	<b>.2827759</b>	<b>3.981313</b>
1 2 1	<b>.1226887</b>	<b>.0969234</b>	<b>-2.66</b>	<b>0.010</b>	<b>.0253164</b>	<b>.5945747</b>
1 3 1	<b>3.008084</b>	<b>4.162641</b>	<b>0.80</b>	<b>0.429</b>	<b>.1895332</b>	<b>47.74135</b>
2 1 1	<b>.6655087</b>	<b>.4214572</b>	<b>-0.64</b>	<b>0.523</b>	<b>.1878076</b>	<b>2.358274</b>
2 2 1	<b>.3083323</b>	<b>.1843297</b>	<b>-1.97</b>	<b>0.053</b>	<b>.0933989</b>	<b>1.01788</b>
2 3 1	<b>.5757756</b>	<b>.4839248</b>	<b>-0.66</b>	<b>0.514</b>	<b>.1074125</b>	<b>3.086395</b>
age4						
2	<b>.9317177</b>	<b>.133961</b>	<b>-0.49</b>	<b>0.624</b>	<b>.6991039</b>	<b>1.241729</b>
3	<b>.947738</b>	<b>.1376631</b>	<b>-0.37</b>	<b>0.713</b>	<b>.7090309</b>	<b>1.26681</b>
4	<b>1.123236</b>	<b>.1664907</b>	<b>0.78</b>	<b>0.436</b>	<b>.835355</b>	<b>1.510326</b>
edu						
1	<b>1.177749</b>	<b>.152291</b>	<b>1.27</b>	<b>0.210</b>	<b>.909632</b>	<b>1.524894</b>
2	<b>.7217129</b>	<b>.1030827</b>	<b>-2.28</b>	<b>0.026</b>	<b>.5425555</b>	<b>.9600299</b>

BMIcat						
2	.0894025	.0152509	-14.15	0.000	.063584	.1257045
3	.0130654	.0030736	-18.44	0.000	.0081662	.0209039
4	.0219687	.0076099	-11.02	0.000	.0109968	.0438875
5	.049016	.0253293	-5.84	0.000	.0174582	.1376187
6	.227976	.1290317	-2.61	0.011	.0735929	.7062233
_cons	.6789591	.1403931	-1.87	0.066	.4492037	1.026228
<b>too_big</b>						
fsWithHunger						
1	1.482408	.4850475	1.20	0.233	.7710562	2.850031
2	1.010745	.17157	0.06	0.950	.7200612	1.418776
Race						
1	.4046627	.0552475	-6.63	0.000	.3080646	.5315506
2	.8785789	.0920967	-1.23	0.221	.7125817	1.083245
3	1.100874	.1552241	0.68	0.498	.8306253	1.459051
fsWithHunger#						
Race						
1 1	.4505892	.1894381	-1.90	0.062	.1945452	1.043617
1 2	.3391966	.1399205	-2.62	0.011	.1487854	.7732903
1 3	.3337898	.2562435	-1.43	0.158	.0720166	1.547083
2 1	.7354215	.1862273	-1.21	0.229	.4434425	1.21965
2 2	.8052307	.1919786	-0.91	0.367	.5001165	1.296491
2 3	.8917811	.3217067	-0.32	0.752	.4337842	1.833339
1.Male	.2637572	.0229865	-15.29	0.000	.2216116	.313918
fsWithHunger#						
Male						
1 1	.6857701	.256181	-1.01	0.316	.3251403	1.446393
2 1	1.222082	.2592209	0.95	0.348	.7999618	1.866943
Race#Male						
1 1	1.151026	.2075955	0.78	0.438	.802799	1.650301
2 1	1.019394	.1566839	0.12	0.901	.7498756	1.385783
3 1	1.130511	.2381612	0.58	0.562	.7421635	1.722067
fsWithHunger#						
Race#Male						
1 1 1	1.082662	.5552695	0.15	0.877	.3886167	3.016228
1 2 1	2.834782	1.352389	2.18	0.033	1.092981	7.35236
1 3 1	1.332855	1.039356	0.37	0.714	.2806913	6.329025
2 1 1	1.361004	.4559445	0.92	0.361	.6969594	2.657735
2 2 1	.9876456	.3032843	-0.04	0.968	.534785	1.823992
2 3 1	.8592816	.374363	-0.35	0.729	.3598713	2.051747
age4						
2	1.318057	.1063426	3.42	0.001	1.12185	1.54858
3	1.67926	.1346365	6.47	0.000	1.430727	1.970965
4	1.917373	.1575913	7.92	0.000	1.627036	2.259519
edu						
1	1.691986	.1688944	5.27	0.000	1.386093	2.065385
2	1.851317	.189604	6.01	0.000	1.508775	2.271627
BMIcat						
2	13.44212	8.431547	4.14	0.000	3.839416	47.06199
3	152.3364	95.52444	8.02	0.000	43.52739	533.1445
4	757.0644	477.7024	10.51	0.000	214.6255	2670.449
5	2524.792	1659.086	11.92	0.000	679.3731	9383.028
6	6876.963	4870.103	12.48	0.000	1671.017	28301.71
_cons	.0094265	.0059533	-7.39	0.000	.0026694	.0332877

Note: \_cons estimates baseline relative risk for each outcome.

```

243 .
244 .
end of do-file

245 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
246 . margins

Predictive margins                                         Number of obs      = 14,370
Model VCE       : Linearized

1._predict    : Pr(consid==about_right), predict(pr outcome(1))
2._predict    : Pr(consid==too_thin), predict(pr outcome(2))
3._predict    : Pr(consid==too_big), predict(pr outcome(3))

+-----+
|           Delta-method                         |
| Margin   Std. Err.      t    P>|t|   [95% Conf. Interval] |
+-----+
|_predict|
| 1        .4001924    .004291    93.26    0.000    .3916201    .4087648 |
| 2        .0442811    .0020248    21.87    0.000    .0402361    .0483261 |
| 3        .5555264    .004102   135.43    0.000    .5473317    .5637212 |
+-----+


247 .
end of do-file

248 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

249 . mtable, at (i.Race = (0 1 2 3) i.Male = (0 1) at i.fsWithHunger = (1 2) dec(4
>) statistics(all)
) required
r(100);

end of do-file
r(100);

250 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

251 . mtable, at (i.Race = (0 1 2 3) i.Male = (0 1) at i.fsWithHunger = (1 2)) dec(
> 4) statistics(all)
i: operator invalid
r(198);

end of do-file
r(198);

252 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

253 . mtable, at (Race = (0 1 2 3) Male = (0 1) at fsWithHunger = (1 2)) dec(4) sta
>tistics(all)
variable 'at' not found in list of covariates
r(322);

end of do-file
r(322);

```

```

254 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"
255 . mtable, (Race = (0 1 2 3) Male = (0 1) at fsWithHunger = (1 2)) dec(4) statis
> tics(all)
option (not allowed
r(198);

end of do-file

r(198);

256 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

257 . mtable (Race = (0 1 2 3) Male = (0 1) at fsWithHunger = (1 2)) dec(4) statist
> ics(all)
varlist not allowed
r(101);

end of do-file

r(101);

258 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

259 . mtable
—Break—
r(1);

end of do-file

—Break—
r(1);

260 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

261 . mchange

  svy mlogit: Changes in Pr(y) | Number of obs = 14370
  Expression: Pr(consid), predict(outcome())

    about r~t   too thin   too big
  
```

	about	r~t	too thin	too big
<b>fsWithHunger</b>				
1 vs 0	-0.029	0.046	-0.017	
p-value	0.133	0.000	0.366	
2 vs 0	-0.022	0.019	0.003	
p-value	0.085	0.000	0.814	
2 vs 1	0.007	-0.027	0.020	
p-value	0.752	0.003	0.318	
<b>Race</b>				
1 vs 0	0.096	0.028	-0.124	
p-value	0.000	0.000	0.000	
2 vs 0	0.018	0.007	-0.026	
p-value	0.067	0.146	0.004	
3 vs 0	-0.008	-0.003	0.011	
p-value	0.538	0.651	0.361	
2 vs 1	-0.078	-0.020	0.098	
p-value	0.000	0.002	0.000	
3 vs 1	-0.105	-0.030	0.135	
p-value	0.000	0.000	0.000	
3 vs 2	-0.027	-0.010	0.037	
p-value	0.102	0.133	0.010	
<b>Male</b>				
1 vs 0	0.135	0.036	-0.171	
p-value	0.000	0.000	0.000	
<b>age4</b>				
2 vs 1	-0.034	-0.004	0.039	
p-value	0.003	0.408	0.001	
3 vs 1	-0.066	-0.005	0.072	
p-value	0.000	0.307	0.000	
4 vs 1	-0.088	-0.000	0.089	

p-value	<b>0.000</b>	<b>0.947</b>	<b>0.000</b>
3 vs 2	<b>-0.032</b>	<b>-0.001</b>	<b>0.033</b>
p-value	<b>0.003</b>	<b>0.849</b>	<b>0.001</b>
4 vs 2	<b>-0.054</b>	<b>0.004</b>	<b>0.050</b>
p-value	<b>0.000</b>	<b>0.503</b>	<b>0.000</b>
4 vs 3	<b>-0.022</b>	<b>0.005</b>	<b>0.017</b>
p-value	<b>0.077</b>	<b>0.403</b>	<b>0.162</b>
<b>edu</b>			
1 vs 0	<b>-0.073</b>	<b>0.003</b>	<b>0.070</b>
p-value	<b>0.000</b>	<b>0.609</b>	<b>0.000</b>
2 vs 0	<b>-0.070</b>	<b>-0.015</b>	<b>0.086</b>
p-value	<b>0.000</b>	<b>0.005</b>	<b>0.000</b>
2 vs 1	<b>0.003</b>	<b>-0.018</b>	<b>0.016</b>
p-value	<b>0.812</b>	<b>0.002</b>	<b>0.154</b>
<b>BMIcat</b>			
2 vs 1	<b>0.319</b>	<b>-0.447</b>	<b>0.128</b>
p-value	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
3 vs 1	<b>-0.038</b>	<b>-0.549</b>	<b>0.586</b>
p-value	<b>0.287</b>	<b>0.000</b>	<b>0.000</b>
4 vs 1	<b>-0.298</b>	<b>-0.553</b>	<b>0.851</b>
p-value	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
5 vs 1	<b>-0.386</b>	<b>-0.554</b>	<b>0.940</b>
p-value	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
6 vs 1	<b>-0.415</b>	<b>-0.550</b>	<b>0.965</b>
p-value	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
3 vs 2	<b>-0.357</b>	<b>-0.102</b>	<b>0.458</b>
p-value	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
4 vs 2	<b>-0.617</b>	<b>-0.106</b>	<b>0.723</b>
p-value	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
5 vs 2	<b>-0.705</b>	<b>-0.107</b>	<b>0.812</b>
p-value	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
6 vs 2	<b>-0.734</b>	<b>-0.103</b>	<b>0.837</b>
p-value	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
4 vs 3	<b>-0.260</b>	<b>-0.004</b>	<b>0.264</b>
p-value	<b>0.000</b>	<b>0.113</b>	<b>0.000</b>
5 vs 3	<b>-0.348</b>	<b>-0.005</b>	<b>0.353</b>
p-value	<b>0.000</b>	<b>0.083</b>	<b>0.000</b>
6 vs 3	<b>-0.378</b>	<b>-0.001</b>	<b>0.379</b>
p-value	<b>0.000</b>	<b>0.830</b>	<b>0.000</b>
5 vs 4	<b>-0.088</b>	<b>-0.001</b>	<b>0.089</b>
p-value	<b>0.000</b>	<b>0.671</b>	<b>0.000</b>
6 vs 4	<b>-0.117</b>	<b>0.003</b>	<b>0.114</b>
p-value	<b>0.000</b>	<b>0.563</b>	<b>0.000</b>
6 vs 5	<b>-0.029</b>	<b>0.004</b>	<b>0.025</b>
p-value	<b>0.000</b>	<b>0.424</b>	<b>0.007</b>

Average predictions

	about	r~t	too thin	too big
Pr(y base)	<b>0.400</b>	<b>0.044</b>	<b>0.556</b>	

```

262 .
end of do-file

263 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250_000000.tmp"

264 . mtable, at (Race = 0 fsWithHunger = 0 Male = 0)
--Break--
r(1);

end of do-file

--Break--
r(1);

```

265 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

266 . margins, at (Race = 0 fsWithHunger = 0 Male = 0)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```
1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at : fsWithHunger = 0
      Race = 0
      Male = 0
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.3183079	.0079641	39.97	0.000	.3023979	.3342179
2	.0178525	.0024975	7.15	0.000	.0128631	.0228419
3	.6638396	.0073915	89.81	0.000	.6490733	.6786059

267 .

end of do-file

268 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD3250\_000000.tmp"

269 . margins, at (Race = 0 fsWithHunger = 0 Male = 1)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```
1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at : fsWithHunger = 0
      Race = 0
      Male = 1
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.4610658	.0101	45.65	0.000	.4408886	.4812429
2	.0527791	.0050263	10.50	0.000	.0427378	.0628203
3	.4861552	.0096785	50.23	0.000	.4668201	.5054902

270 . margins, at (Race = 0 fsWithHunger = 1 Male = 0)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```
1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at : fsWithHunger = 1
      Race = 0
      Male = 0
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.2487438	.0397102	6.26	0.000	.1694134	.3280741
2	.0507474	.014325	3.54	0.001	.0221299	.0793649
3	.7005088	.0368387	19.02	0.000	.626915	.7741027

271 . margins, at (Race = 0 fsWithHunger = 1 Male = 1)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      1
          Race            =      0
          Male           =      1
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.4013123	.0373737	10.74	0.000	.3266497	.475975
2	.1227244	.0194561	6.31	0.000	.0838564	.1615925
3	.4759632	.0292401	16.28	0.000	.4175494	.5343771

272 . margins, at (Race = 0 fsWithHunger = 2 Male = 0)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      2
          Race            =      0
          Male           =      0
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.3119147	.018726	16.66	0.000	.2745052	.3493241
2	.0243865	.0060255	4.05	0.000	.0123492	.0364238
3	.6636988	.0203633	32.59	0.000	.6230183	.7043793

273 . margins, at (Race = 0 fsWithHunger = 2 Male = 1)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      2
          Race            =      0
          Male           =      1
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.4023987	.0185852	21.65	0.000	.3652706	.4395269
2	.0893505	.0101966	8.76	0.000	.0689805	.1097205
3	.5082507	.0167168	30.40	0.000	.4748551	.5416463

274 . margins, at (Race = 1 fsWithHunger = 0 Male = 0)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      0
          Race            =      1
          Male           =      0
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.4065769	.0137196	29.63	0.000	.3791688	.4339849
2	.0494522	.0084014	5.89	0.000	.0326684	.0662359
3	.543971	.0155542	34.97	0.000	.5128978	.5750441

275 . margins, at (Race = 1 fsWithHunger = 0 Male = 1)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      0
          Race            =      1
          Male           =      1
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.5457647	.0159597	34.20	0.000	.5138814	.5776479
2	.0751612	.0093443	8.04	0.000	.0564937	.0938286
3	.3790742	.0148243	25.57	0.000	.3494593	.4086891

276 . margins, at (Race = 1 fsWithHunger = 1 Male = 0)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      1
          Race            =      1
          Male           =      0
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.4199642	.0332807	12.62	0.000	.3534783	.4864501
2	.0982828	.0242363	4.06	0.000	.0498652	.1467003
3	.481753	.0260288	18.51	0.000	.4297544	.5337516

277 . margins, at (Race = 1 fsWithHunger = 1 Male = 1)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      1
          Race            =      1
          Male            =      1
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.5886086	.044525	13.22	0.000	.4996597	.6775574
2	.1321139	.0331259	3.99	0.000	.0659373	.1982905
3	.2792775	.0342189	8.16	0.000	.2109174	.3476376

278 . margins, at (Race = 1 fsWithHunger = 2 Male = 0)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      2
          Race            =      1
          Male            =      0
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.4289852	.0203709	21.06	0.000	.3882896	.4696808
2	.069918	.013085	5.34	0.000	.0437777	.0960583
3	.5010968	.0168554	29.73	0.000	.4674242	.5347694

279 . margins, at (Race = 1 fsWithHunger = 2 Male = 1)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      2
          Race            =      1
          Male            =      1
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.5003813	.0247909	20.18	0.000	.4508558	.5499068
2	.0951566	.0099718	9.54	0.000	.0752356	.1150776
3	.404462	.0235161	17.20	0.000	.3574833	.4514408

280 . margins, at (Race = 2 fsWithHunger = 0 Male = 0)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      0
          Race            =      2
          Male            =      0
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.3300233	.0126391	26.11	0.000	.3047738	.3552727
2	.0228465	.004494	5.08	0.000	.0138687	.0318243
3	.6471302	.0111799	57.88	0.000	.6247959	.6694646

281 . margins, at (Race = 2 fsWithHunger = 0 Male = 1)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      0
          Race            =      2
          Male            =      1
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.4661828	.0141684	32.90	0.000	.4378783	.4944874
2	.0644402	.010235	6.30	0.000	.0439934	.0848871
3	.469377	.0127987	36.67	0.000	.4438086	.4949453

282 . margins, at (Race = 2 fsWithHunger = 1 Male = 0)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      1
          Race            =      2
          Male            =      0
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.3274298	.0452725	7.23	0.000	.2369877	.4178719
2	.1346691	.0369372	3.65	0.001	.0608785	.2084597
3	.5379011	.0385869	13.94	0.000	.4608149	.6149872

283 . margins, at (Race = 2 fsWithHunger = 1 Male = 1)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      1
          Race            =      2
          Male           =      1
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.4750714	.0275927	17.22	0.000	.4199485	.5301942
2	.0575825	.0166934	3.45	0.001	.0242337	.0909313
3	.4673461	.0234424	19.94	0.000	.4205145	.5141776

284 . margins, at (Race = 2 fsWithHunger = 2 Male = 0)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      2
          Race            =      2
          Male           =      0
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.331294	.0140097	23.65	0.000	.3033063	.3592816
2	.0531681	.0080283	6.62	0.000	.0371298	.0692065
3	.6155379	.0120566	51.05	0.000	.5914521	.6396237

285 . margins, at (Race = 2 fsWithHunger = 2 Male = 1)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      2
          Race            =      2
          Male           =      1
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.4601322	.0170079	27.05	0.000	.426155	.4941094
2	.0745305	.0103822	7.18	0.000	.0537897	.0952712
3	.4653373	.0164438	28.30	0.000	.4324871	.4981876

286 . margins, at (Race = 3 fsWithHunger = 0 Male = 0)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      0
          Race            =      3
          Male           =      0
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.302943	.0172769	17.53	0.000	.2684285	.3374576
2	.0228547	.0056727	4.03	0.000	.0115223	.0341871
3	.6742023	.0148842	45.30	0.000	.6444676	.703937

287 . margins, at (Race = 3 fsWithHunger = 0 Male = 1)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      0
          Race            =      3
          Male           =      1
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.434043	.0219938	19.73	0.000	.3901053	.4779807
2	.0498348	.0105773	4.71	0.000	.0287042	.0709653
3	.5161222	.0195614	26.38	0.000	.4770438	.5552006

288 . margins, at (Race = 3 fsWithHunger = 1 Male = 0)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      1
          Race            =      3
          Male           =      0
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.3936033	.083154	4.73	0.000	.2274841	.5597225
2	.0185255	.0146836	1.26	0.212	-.0108083	.0478593
3	.5878712	.0854611	6.88	0.000	.4171429	.7585994

289 . margins, at (Race = 3 fsWithHunger = 1 Male = 1)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      1
          Race            =      3
          Male            =      1
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.5174849	.0869748	5.95	0.000	.3437329	.691237
2	.078443	.0408698	1.92	0.059	-.0032039	.1600898
3	.4040721	.0816593	4.95	0.000	.2409389	.5672053

290 . margins, at (Race = 3 fsWithHunger = 2 Male = 0)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      2
          Race            =      3
          Male            =      0
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.3052496	.0347144	8.79	0.000	.2358996	.3745996
2	.0359207	.0136888	2.62	0.011	.0085742	.0632673
3	.6588297	.0334037	19.72	0.000	.5920981	.7255612

291 . margins, at (Race = 3 fsWithHunger = 2 Male = 1)

Predictive margins Number of obs = 14,370  
 Model VCE : Linearized

```

1._predict : Pr(consid==about_right), predict(pr outcome(1))
2._predict : Pr(consid==too_thin), predict(pr outcome(2))
3._predict : Pr(consid==too_big), predict(pr outcome(3))
at      : fsWithHunger      =      2
          Race            =      3
          Male            =      1
  
```

	Delta-method					
	Margin	Std. Err.	t	P> t	[95% Conf. Interval]	
_predict						
1	.4285983	.0495761	8.65	0.000	.3295586	.5276379
2	.0651575	.0218548	2.98	0.004	.0214976	.1088175
3	.5062442	.0386089	13.11	0.000	.429114	.5833744

---

292 .  
end of do-file

293 . putexcel set "stata\_work"  
**file already exists**  
**you must specify either the modify or replace option**  
r(198);

294 . putexcel set "stata\_work", sheet(one, replace)  
**file already exists**  
**you must specify either the modify or replace option**  
r(198);

295 . putexcel set "C:\Users\sarah.vanalsten\Downloads\stata\_work.xlsx", sheet(one,  
> replace)

296 . log close  
name: <unnamed>  
log: C:\Users\sarah.vanalsten\Downloads\stata\_log.smcl  
log type: smcl  
closed on: 25 Feb 2020, 14:52:24

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