Analysis Report

This report is structured as follows.

SAMPLE REPORT. Ratael Data Analysis Portholio

Multinomial Logistic Regression Models

A multinomial logistic regression was conducted using the VGAM package in R to examine the predictors of life satisfaction, with "Very Dissatisfied" as the reference category for the dependent variable (Life Satisfaction). The model used was a multinomial logistic regression model, which is suitable for predicting categorical outcomes with more than two levels. The analysis was performed using the vglm function from the VGAM package, specifying "Very Dissatisfied" as the reference category.

The model's performance was evaluated with several fit statistics, including deviance (42720.44), log-likelihood (-21360.22), and residual deviance (105561.12). The model used 33 parameters and 8 iterations to reach convergence.

Deviance	Log Likelihood	Residual Deviance	DF_Residual	DF_Total	Iterations	Rank
42720.439	-21360.219	105561.124	82323	82356	8	33

The Variance Inflation Factor (VIF) analysis was conducted to assess multicollinearity among the independent variables used in the multinomial logistic regression model. The VIF values for all predictors were well below the commonly accepted threshold of 5, indicating that multicollinearity is not a concern in this dataset. Specifically, the VIF values ranged from 1.01 (for **SEX_A_Female**) to 1.22 (for **PA18_05R_A_Meets_both_criteria**), demonstrating that there is little to no linear dependency among the predictors.

The results of the model are shown below.

Index	В	Std. Error	z value	Pr(> z)	Odds Ratios
(Intercept): Dissatisfied	1.828	0.358	5.108	0.000	6.222
(Intercept): Satisfied	1.652	0.324	5.092	0.000	5.216
(Intercept): Very Satisfied	-1.953	0.330	-5.919	0.000	0.142
General Health Status: Dissatisfied	0.017	0.073	0.232	0.817	1.017
General Health Status: Satisfied	0.839	0.066	12.652	0.000	2.314
General Health Status: Very Satisfied	1.568	0.067	23.271	0.000	4.796
Age: Dissatisfied	-0.007	0.004	-1.611	0.107	0.993
Age : Satisfied	-0.001	0.004	-0.160	0.873	0.999
Age : Very Satisfied	0.012	0.004	3.271	0.001	1.013
Sex Female: Dissatisfied	-0.395	0.144	-2.745	0.006	0.674
Sex Female: Satisfied	-0.374	0.130	-2.868	0.004	0.688
Sex Female: Very Satisfied	-0.260	0.131	-1.978	0.048	0.771
Race Asian_only: Dissatisfied	-0.197	0.394	-0.501	0.617	0.821
Race Asian_only: Satisfied	0.616	0.345	1.788	0.074	1.852
Race Asian_only: Very Satisfied	0.211	0.347	0.609	0.542	1.235

Index	В	Std. Error	z value	Pr(> z)	Odds Ratios
Race Black_African_American_only: Dissatisfied	0.115	0.220	0.521	0.602	1.121
Race Black_African_American_only: Satisfied	0.357	0.199	1.790	0.073	1.429
Race Black_African_American_only: Very Satisfied	0.224	0.201	1.112	0.266	1.251
Race Other: Dissatisfied	0.040	0.260	0.153	0.878	1.041
Race Other: Satisfied	0.274	0.235	1.163	0.245	1.315
Race Other: Very Satisfied	0.121	0.238	0.510	0.610	1.129
Physical Activity Meets_aerobic_only: Dissatisfied	-0.088	0.200	-0.443	0.657	0.915
Physical Activity Meets_aerobic_only: Satisfied	0.154	0.178	0.868	0.386	1.167
Physical Activity Meets_aerobic_only: Very Satisfied	0.354	0.179	1.979	0.048	1.425
Physical Activity Meets_both_criteria: Dissatisfied	0.161	0.252	0.639	0.523	1.175
Physical Activity Meets_both_criteria: Satisfied	0.255	0.230	1.108	0.268	1.290
Physical Activity Meets_both_criteria: Very Satisfied	0.520	0.230	2.258	0.024	1.683
Physical Activity Meets_strength_only: Dissatisfied	0.724	0.387	1.872	0.061	2.063
Physical Activity Meets_strength_only: Satisfied	0.811	0.365	2.223	0.026	2.251
Physical Activity Meets_strength_only: Very Satisfied	0.889	0.367	2.425	0.015	2.433
Physical Activity Not_Ascertained: Dissatisfied	-0.153	0.310	-0.495	0.621	0.858
Physical Activity Not_Ascertained: Satisfied	-0.159	0.276	-0.578	0.563	0.853
Physical Activity Not_Ascertained: Very Satisfied	-0.179	0.280	-0.640	0.522	0.836

Several significant predictors of life satisfaction were identified. General Health Status had a substantial impact on life satisfaction. Specifically, individuals reporting better health were significantly more likely to report higher life satisfaction. Compared to those who were "Very Dissatisfied," those with better health had significantly higher odds of being "Satisfied" (B = 0.839, z = 12.652, p < 0.001, QR = 2.314) and "Very Satisfied" (QR = 1.568), QR = 2.314) and "Very Satisfied" (QR = 1.568). This indicates that individuals with better health are substantially more likely to report higher life satisfaction.

Age was also a significant predictor of life satisfaction, but its effect was more modest. Older individuals had slightly higher odds of being "Very Satisfied" compared to "Very Dissatisfied" (B = 0.012, z = 3.271, p = 0.001, OR = 1.013), though age did not significantly differentiate between "Satisfied" and "Very Dissatisfied" or "Dissatisfied" and "Very Dissatisfied."

Sex was a significant predictor of life satisfaction, with females being less likely to report higher satisfaction levels compared to the reference group. Females had significantly lower odds of being "Dissatisfied" (B = -0.395, z = -2.745, p = 0.006, OR = 0.674) and "Satisfied" (B = -0.374, z = -2.868, p = 0.004, OR = 0.688) compared to "Very Dissatisfied." Females were also less likely to report being "Very Satisfied" compared to the reference category (B = -0.260, z = -1.978, p = 0.048, OR = 0.771), indicating a generally lower likelihood of reporting higher satisfaction levels compared to males.

Physical activity also played a significant role in predicting life satisfaction. Individuals who met both aerobic and strength activity guidelines had significantly higher odds of being "Very Satisfied"

compared to "Very Dissatisfied" (B = 0.520, z = 2.258, p = 0.024, OR = 1.683). Similarly, those who only met the strength activity criteria were more likely to report being "Satisfied" (B = 0.811, z = 2.223, p = 0.026, OR = 2.251) and "Very Satisfied" (B = 0.889, z = 2.425, p = 0.015, OR = 2.433), highlighting the positive relationship between physical activity and life satisfaction.

Race was less consistently related to life satisfaction, with most comparisons failing to reach statistical significance. However, individuals who identified as Asian had marginally higher odds of being "Satisfied" compared to "Very Dissatisfied" (B = 0.616, z = 1.788, p = 0.074, OR = 1.852), though this result was not statistically significant at the conventional p < 0.05 threshold.

In summary, the multinomial logistic regression model identified several significant predictors of life satisfaction, including general health status, age, sex, and physical activity. General health and physical activity were strong positive predictors of higher life satisfaction, while females were less aluable

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SAMPLE REPORT likely to report higher satisfaction levels. These findings provide valuable insights into the factors

SPSS Analysis

A multinomial logistic regression was conducted to examine the predictors of life satisfaction, with "Very Dissatisfied" as the reference category. The analysis included variables such as age, general health status (PHSTAT_A), sex, race, physical activity, and employment status. The sample consisted of 27,452 respondents, with 50.9% reporting being "Satisfied" and 44.6% being "Very Satisfied" with life.

Case Processing Summary

		N	Marginal Percentage
LSATIS4_A	Dissatisfied	963	3.5%
	Satisfied	13985	50.9%
	Very dissatisfied	264	1.0%
	Very satisfied	12240	44.6%
EMPWRKFT1_A		12209	44.5%
	No	2935	10.7%
	Yes	12308	3 44.8%
Valid		27452	100.0%
Missing)
Total		27452	2
Subpopulation		9618	a

a. The dependent variable has only one value observed in 6497 (67.6%) subpopulations.

The model fit statistics suggest that the model fits the data well. The likelihood ratio test comparing the final model to the intercept-only model was significant, $\chi^2(36) = 4892.55$, p < .001, indicating that the predictors significantly improve the model. The pseudo R-squares suggest that the model accounts for a modest amount of variation in life satisfaction, with Cox and Snell R² = .163, Nagelkerke R² = .198, and McFadden R² = .103.

Model Fitting Information

	Model Fitting Criteria	Likelihood	Ratio Tests	
Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	28725.391			
Final	23832.840	4892.551	36	.000

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	36893.596	28815	.000
Deviance	16867.609	28815	1.000

Cox and Snell	.163
Nagelkerke	.198
McFadden	.103

Age was found to be a significant predictor for individuals reporting being "Satisfied" (B = .008, p = .044, OR = 1.008) and "Very Satisfied" (B = .021, p < .001, OR = 1.022), indicating that older individuals are more likely to report higher life satisfaction compared to those who are "Very Dissatisfied."

General health status (PHSTAT_A) was a strong predictor of life satisfaction. Compared to those who are "Very Dissatisfied," individuals with better health were significantly more likely to report being "Satisfied" (B = .758, p < .001, OR = 2.134) and "Very Satisfied" (B = 1.487, p < .001, OR = 4.425). This highlights the importance of perceived health in determining life satisfaction.

Sex also played a role, with females being significantly less likely to report being "Dissatisfied" (B = -.381, p = .008, OR = .683) and "Satisfied" (B = -.314, p = .017, OR = .730) compared to males. However, sex was not a significant predictor for the "Very Satisfied" group (p = .140).

Physical activity was another important factor. Individuals who met strength-only activity guidelines were significantly more likely to report being "Satisfied" (B = .807, p = .027, OR = 2.241) and "Very Satisfied" (B = .885, p = .016, OR = 2.423) compared to those who were "Very Dissatisfied." Similarly, those who met both aerobic and strength guidelines were more likely to report being "Very Satisfied" (B = .492, p = .033, OR = 1.636).

Interestingly, employment status showed a significant impact for the "Satisfied" and "Very Satisfied" groups. For individuals with missing employment responses, the odds of being "Very Satisfied" were significantly lower compared to those who responded (B = -.878, p < .001, OR = .416). This effect was also observed in the "Satisfied" group (B = -.858, p < .001, OR = .424), indicating that missing employment information is associated with lower satisfaction.

Disatisfied Intercept 1.00 3.04 27.53 1.00 very between the parameter of the paramete				Std.				
AGEP_A	LSATIS4_Aa		В	Error	Wald	df	Sig.	Exp(B)
PHSTAT_A	Dissatisfied	Intercept	1.909	.364	27.531	1	.000	
SEX_A_Female		AGEP_A	004	.004	.880	1	.348	.996
RACEALLP_A_Sian_only		PHSTAT_A	004	.075	.003	1	.959	.996
RACEALLP_A_Black_African_American_only .116 .220 .278 1 .598 .123 RACEALLP_A_Other .041 .261 .025 1 .874 .1042 PA18_05R_A_Meets_aerobic_only .088 .200 .196 1 .658 .915 PA18_05R_A_Meets_both_criteria .149 .253 .348 1 .555 .1.61 PA18_05R_A_Meets_strength_only .722 .387 .3476 1 .062 .2058 PA18_05R_A_Not_Ascertained .105 .313 .112 1 .737 .900 [EMPWRKFT1_A=] .262 .200 .1724 1 .189 .769 [EMPWRKFT1_A=No] .051 .300 .029 1 .864 .950 [EMPWRKFT1_A=Yes] .06 .12 .00 .124 .1008 AGEP_A .008 .004 .4059 1 .044 .1008 PHSTAT_A .758 .067 127.00 1 .000 .2134 SEX_A_Female .314 .313 .5741 1 .017 .735 RACEALLP_A_Asian_only .371 .200 .349 1 .074 .1853 RACEALLP_A_Diher .281 .236 .1414 1 .234 .134 PA18_05R_A_Meets_aerobic_only .154 .178 .752 1 .386 .167 PA18_05R_A_Meets_aerobic_only .154 .178 .275 1 .386 .167 PA18_05R_A_Meets_aerobic_only .154 .178 .252 .1 .386 .167 PA18_05R_A_Meets_aerobic_only .154 .1 .000 .224 EMPWRKFT1_A=] .858 .1 .007 .2 .241 PA18_05R_A_Meets_aerobic_only .154 .1 .001 .1000 .1000 EMPWRKFT1_A=Yes] .0		SEX_A_Female	381	.145	6.941	1	.008	.683
RACEALLP_A_Other .041 .261 .025 1 .874 .042 .041		RACEALLP_A_Asian_only	199	.394	.254	1	.614	.820
PA18_05R_A_Meets_both_criteria 1.49 2.53 3.48 1.555 1.161 PA18_05R_A_Meets_both_criteria 1.49 2.53 3.47 1.062 2.058 PA18_05R_A_Meets_strength_only 7.72 3.87 3.476 1.062 2.058 PA18_05R_A_Not_Ascertained -1.05 3.13 1.12 1.737 7.900 [EMPWRKFT1_A=] -2.62 2.00 1.724 1.189 7.69 [EMPWRKFT1_A=No] -0.51 3.00 3.000 1.000 [EMPWRKFT1_A=Yes] 0.06 3.00 3.000 1.000 EMPWRKFT1_A=Yes] 0.08 0.04 4.059 1.044 1.008 PHSTAT_A 7.58 0.07 1.720 1.000 1.000 PHSTAT_A 7.58 0.07 1.720 1.000 1.000 RACEALLP_A_Stain_only 0.17 0.370 3.14 1.008 RACEALLP_A_Dther 2.81 2.36 1.141 1.234 1.324 PA18_05R_A_Meets_aerobic_only 1.54 1.78 7.52 1.386 1.167 PA18_05R_A_Meets_strength_only 8.07 3.05 4.818 1.027 2.241 PA18_05R_A_Meets_strength_only 8.07 3.05 4.818 1.027 2.241 PA18_05R_A_Meets_strength_only 8.07 3.05 4.818 1.000 4.244 PA18_05R_A_Meets_strength_only 8.07 3.05 4.818 1.000 4.244 [EMPWRKFT1_A=Nol -2.97 2.73 1.185 1.276 7.434 [EMPWRKFT1_A=Nol -2.97 2.73 1.185 1.276 7.434 [EMPWRKFT1_A=Yes] 0.06 0.04 2.780 1.000 4.244 PA18_05R_A_Meets_strength_only 8.07 3.07 3.000 4.244 PA18_05R_A_Meets_strength_only 8.07 3.000 3.000 3.000 3.000 PA18_05R_A_Meets_strength_only 8.000 3.000 3.000 3.000 3.000 3.000 PA18_05R_A_Meets_strength_only 8.000 3.000 3.000 3.000 3.000 3.000 PA18_05R_A_Meets_s		RACEALLP_A_Black_African_American_only	.116	.220	.278	1	.598	1.123
PA18_05R_A_Meets_both_criteria 1.49		RACEALLP_A_Other	.041	.261	.025	1	.874	1.042
PA18_05R_A_Meets_strength_only		PA18_05R_A_Meets_aerobic_only	088	.200	.196	1	.658	.915
PA18_05R_A_Not_Ascertained 105 .313 .112 1 .737 .900 [EMPWRKFT1_A=] 262 .200 1.724 1 .189 .769 [EMPWRKFT1_A=No] 051 .300 .029 1 .864 .950 [EMPWRKFT1_A=Yes] 0		PA18_05R_A_Meets_both_criteria	.149	.253	.348	1	.555	1.161
EEMPWRKFT1_A=1 262 .200 1.724 1 .189 .769 EEMPWRKFT1_A=No] 051 .300 .029 1 .864 .950 Satisfied Intercept 1.897 .330 33.046 1 .000 .004 AGEP_A .008 .004 4.059 1 .004 .1008 PHSTAT_A .758 .067 127.200 1 .000 .2134 SEX_A_Female .314 .131 5.741 1 .017 .730 RACEALLP_A_Sian_only .617 .345 3.193 1 .074 .1853 RACEALLP_A_Black_African_American_only .371 .200 3.449 1 .063 .1449 RACEALLP_A_Other .281 .236 .1414 1 .234 .1324 PA18_05R_A_Meets_aerobic_only .154 .178 .752 1 .386 .167 PA18_05R_A_Meets_strength_only .807 .265 .4881 1 .027 .2241 PA18_05R_A_Meets_strength_only .807 .279 .037 1 .847		PA18_05R_A_Meets_strength_only	.722	.387	3.476	1	.062	2.058
EMPWRKFT1_A=No] 051 .300 .029 1 .864 .950 Satisfied Intercept 0° . . 0 . . AGEP_A .008 .004 4.059 1 .000 .008 .004 4.059 1 .004 .1008 PHSTAT_A .758 .067 127.200 1 .000 .2134 SEX_A_Female .314 .131 5.741 1 .017 .730 RACEALLP_A_Asian_only .617 .345 3.193 1 .074 .1853 RACEALLP_A_Black_African_American_only .371 .200 3.449 1 .063 1.449 RACEALLP_A_Other .281 .236 1.414 1 .234 1.324 PA18_05R_A_Meets_aerobic_only .154 .178 .752 1 .386 1.167 PA18_05R_A_Meets_btht_criteria .226 .230 .963 1 .326 1.253 PA18_05R_A_Meets_bth_criteria .054 .279 .037 1 .847 1.052 [EMPWRKFT1_A=] .		PA18_05R_A_Not_Ascertained	105	.313	.112	1	.737	.900
EMPWRKFT1_A=Yes		[EMPWRKFT1_A=]	262	.200	1.724	1	.189	.769
Satisfied Intercept 1.897 330 33.046 1 .000 AGEP_A .008 .004 4.059 1 .044 1.008 PHSTAT_A .758 .067 12.7200 1 .000 2.134 SEX_A_Female .314 .131 5.741 1 .017 .730 RACEALLP_A_Stain_only .617 .345 3.193 1 .074 1.853 RACEALLP_A_Black_African_American_only .371 .200 3.449 1 .063 1.449 RACEALLP_A_Other .281 .236 1.414 1 .234 1.324 PA18_05R_A_Meets_aerobic_only .154 .178 .752 1 .366 1.167 PA18_05R_A_Meets_strength_only .807 .365 4.881 1 .027 2.241 PA18_05R_A_Not_Ascertained .054 .279 .037 1 .847 .1055 [EMPWRKFT1_A=] .858 .181 22.402 1 .000 .424 Yery satisfied Intercept - .335 25.934 1 .000 .		[EMPWRKFT1_A=No]	051	.300	.029	1	.864	.950
AGEP_A PHSTAT_A PHSTAT_A SEX_A_Female RACEALLP_A_Asian_only RACEALLP_A_Black_African_American_only RACEALLP_A_Other PA18_05R_A_Meets_aerobic_only PA18_05R_A_Meets_strength_only PA18_05R_A_Meets_strength_only PA18_05R_A_Not_Ascertained BMPWRKFT1_A=] BMPWRKFT1_A=Nol BMPWRKFT1_A=Nol BMPWRKFT1_A=Yes] AGEP_A AGEP_A AGEP_A AGEP_A AGEP_A AGEP_A AGEP_A AGEP_A AGEP_A AGEALLP_A_Asian_only AGEP_A AGEALLP_A_Asian_only AGEP_A AGEALLP_A_Asian_only AGEP_A AGEALLP_A_Asian_only AGEP_A AGEALLP_A_Asian_only AGEP_A AGEALLP_A_Asian_only AGEP_A AGER_A_Meets_aerobic_only AGER_A_AGER_AGER_AGER_AGER_AGER_AGER_AGE		[EMPWRKFT1_A=Yes]	$0_{\rm p}$	00.		0		
PHSTAT_A SEX_A_Female SEX_A_Female RACEALLP_A_Asian_only RACEALLP_A_Black_African_American_only RACEALLP_A_Black_African_American_only RACEALLP_A_Black_African_American_only RACEALLP_A_Other PA18_05R_A_Meets_aerobic_only PA18_05R_A_Meets_both_criteria PA18_05R_A_Meets_strength_only PA18_05R_A_Not_Ascertained PA18_05R_A_Meets_aerobic_only PA18_05R_A_Meets_both_criteria PA18_05R_A_Meets_both_criteria PA18_05R_A_Meets_both_criteria	Satisfied	Intercept	1.897	.330	33.046	1	.000	
SEX_A_Female		AGEP_A	.008	.004	4.059	1	.044	1.008
RACEALLP_A_Stain_only .617 .345 3.193 1 .074 1.853 RACEALLP_A_Black_African_American_only .371 .200 3.449 1 .063 1.449 RACEALLP_A_Other .281 .236 1.414 1 .234 1.324 PA18_05R_A_Meets_aerobic_only .154 .178 .752 1 .386 1.167 PA18_05R_A_Meets_both_criteria .226 .230 .963 1 .326 1.253 PA18_05R_A_Meets_strength_only .807 .365 4.881 1 .027 2.241 PA18_05R_A_Not_Ascertained .054 .279 .037 1 .847 1.055 [EMPWRKFT1_A=] .858 .181 22.402 1 .000 .424 [EMPWRKFT1_A=No] .297 .273 1.185 1 .276 .743 [EMPWRKFT1_A=Yes] 0b .		PHSTAT_A	.758	.067	127.200	1	.000	2.134
RACEALLP_A_Black_African_American_only		SEX_A_Female	314	.131	5.741	1	.017	.730
RACEALLP_A_Other .281 .236 1.414 1 .234 1.324 PA18_05R_A_Meets_aerobic_only .154 .178 .752 1 .386 1.167 PA18_05R_A_Meets_both_criteria .226 .230 .963 1 .326 1.253 PA18_05R_A_Meets_strength_only .807 .365 4.881 1 .027 2.241 PA18_05R_A_Not_Ascertained .054 .279 .037 1 .847 1.055 [EMPWRKFT1_A=] .858 .181 22.402 1 .000 .424 [EMPWRKFT1_A=No] .297 .273 1.185 1 .276 .743 [EMPWRKFT1_A=Yes] .06 .708 .708 .708 .709		RACEALLP_A_Asian_only	.617	.345	3.193	1	.074	1.853
PA18_05R_A_Meets_aerobic_only .154 .178 .752 1 .386 1.167 PA18_05R_A_Meets_both_criteria .226 .230 .963 1 .326 1.253 PA18_05R_A_Meets_strength_only .807 .365 4.881 1 .027 2.241 PA18_05R_A_Not_Ascertained .054 .279 .037 1 .847 1.055 [EMPWRKFT1_A=] .858 .181 22.402 1 .000 .424 [EMPWRKFT1_A=No] .297 .273 1.185 1 .276 .743 [EMPWRKFT1_A=Yes] 0b . </td <td></td> <td>RACEALLP_A_Black_African_American_only</td> <td>.371</td> <td>.200</td> <td>3.449</td> <td>1</td> <td>.063</td> <td>1.449</td>		RACEALLP_A_Black_African_American_only	.371	.200	3.449	1	.063	1.449
PA18_05R_A_Meets_both_criteria		RACEALLP_A_Other	.281	.236	1.414	1	.234	1.324
PA18_05R_A_Meets_strength_only .807 .365 4.881 1 .027 2.241 PA18_05R_A_Not_Ascertained .054 .279 .037 1 .847 1.055 [EMPWRKFT1_A=] 858 .181 22.402 1 .000 .424 [EMPWRKFT1_A=No] 297 .273 1.185 1 .276 .743 [EMPWRKFT1_A=Yes] 0 ^b 0		PA18_05R_A_Meets_aerobic_only	.154	.178	.752	1	.386	1.167
PA18_05R_A_Not_Ascertained		PA18_05R_A_Meets_both_criteria	.226	.230	.963	1	.326	1.253
[EMPWRKFT1_A=]858 .181 22.402 1 .000 .424 [EMPWRKFT1_A=No]297 .273 1.185 1 .276 .743 [EMPWRKFT1_A=Yes] 0 ^b 0		PA18_05R_A_Meets_strength_only	.807	.365	4.881	1	.027	2.241
[EMPWRKFT1_A=No] 297 .273 1.185 1 .276 .743 [EMPWRKFT1_A=Yes] 0b </td <td></td> <td>PA18_05R_A_Not_Ascertained</td> <td>.054</td> <td>.279</td> <td>.037</td> <td>1</td> <td>.847</td> <td>1.055</td>		PA18_05R_A_Not_Ascertained	.054	.279	.037	1	.847	1.055
[EMPWRKFT1_A=Yes] 0b . . 0 .		[EMPWRKFT1_A=]	858	.181	22.402	1	.000	.424
Very satisfied Intercept - .335 25.934 1 .000 AGEP_A .021 .004 27.880 1 .000 1.022 PHSTAT_A 1.487 .068 475.311 1 .000 4.425 SEX_A_Female 195 .132 2.176 1 .140 .823 RACEALLP_A_Asian_only .211 .347 .371 1 .543 1.236 RACEALLP_A_Black_African_American_only .238 .202 1.387 1 .239 1.268 RACEALLP_A_Other .130 .239 .296 1 .586 1.139 PA18_05R_A_Meets_aerobic_only .355 .179 3.931 1 .047 1.426 PA18_05R_A_Meets_both_criteria .492 .231 4.542 1 .033 1.636		[EMPWRKFT1_A=No]	297	.273	1.185	1	.276	.743
AGEP_A AGEP_A .021 .004 27.880 1 .000 1.022 PHSTAT_A 1.487 .068 475.311 1 .000 4.425 SEX_A_Female195 .132 2.176 1 .140 .823 RACEALLP_A_Asian_only 2.11 .347 .371 1 .543 1.236 RACEALLP_A_Black_African_American_only 2.28 .202 1.387 1 .239 1.268 RACEALLP_A_Other 1.130 .239 .296 1 .586 1.139 PA18_05R_A_Meets_aerobic_only 2.35 .179 3.931 1 .047 1.426 PA18_05R_A_Meets_both_criteria 4.492 .231 4.542 1 .033 1.636		[EMPWRKFT1_A=Yes]	O_p			0		
AGEP_A PHSTAT_A 1.487 SEX_A_Female RACEALLP_A_Asian_only RACEALLP_A_Black_African_American_only RACEALLP_A_Other PA18_05R_A_Meets_both_criteria 1.001 1.002 1.004 1.004 1.008 1.000 1.002 1.000 1.002 1.000 1.002 1.000	Very satisfied	Intercept	-	.335	25.934	1	.000	
PHSTAT_A 1.487 .068 475.311 1 .000 4.425 SEX_A_Female 195 .132 2.176 1 .140 .823 RACEALLP_A_Asian_only .211 .347 .371 1 .543 1.236 RACEALLP_A_Black_African_American_only .238 .202 1.387 1 .239 1.268 RACEALLP_A_Other .130 .239 .296 1 .586 1.139 PA18_05R_A_Meets_aerobic_only .355 .179 3.931 1 .047 1.426 PA18_05R_A_Meets_both_criteria .492 .231 4.542 1 .033 1.636		X	1.708					
SEX_A_Female 195 .132 2.176 1 .140 .823 RACEALLP_A_Asian_only .211 .347 .371 1 .543 1.236 RACEALLP_A_Black_African_American_only .238 .202 1.387 1 .239 1.268 RACEALLP_A_Other .130 .239 .296 1 .586 1.139 PA18_05R_A_Meets_aerobic_only .355 .179 3.931 1 .047 1.426 PA18_05R_A_Meets_both_criteria .492 .231 4.542 1 .033 1.636		AGEP_A	.021	.004	27.880	1	.000	1.022
RACEALLP_A_Asian_only .211 .347 .371 1 .543 1.236 RACEALLP_A_Black_African_American_only .238 .202 1.387 1 .239 1.268 RACEALLP_A_Other .130 .239 .296 1 .586 1.139 PA18_05R_A_Meets_aerobic_only .355 .179 3.931 1 .047 1.426 PA18_05R_A_Meets_both_criteria .492 .231 4.542 1 .033 1.636	Va.	PHSTAT_A	1.487	.068	475.311	1	.000	4.425
RACEALLP_A_Black_African_American_only .238 .202 1.387 1 .239 1.268 RACEALLP_A_Other .130 .239 .296 1 .586 1.139 PA18_05R_A_Meets_aerobic_only .355 .179 3.931 1 .047 1.426 PA18_05R_A_Meets_both_criteria .492 .231 4.542 1 .033 1.636		SEX_A_Female	195	.132	2.176	1	.140	.823
RACEALLP_A_Other .130 .239 .296 1 .586 1.139 PA18_05R_A_Meets_aerobic_only .355 .179 3.931 1 .047 1.426 PA18_05R_A_Meets_both_criteria .492 .231 4.542 1 .033 1.636		RACEALLP_A_Asian_only	.211	.347	.371	1	.543	1.236
PA18_05R_A_Meets_aerobic_only		RACEALLP_A_Black_African_American_only	.238	.202	1.387	1	.239	1.268
PA18_05R_A_Meets_both_criteria		RACEALLP_A_Other	.130	.239	.296	1	.586	1.139
		PA18_05R_A_Meets_aerobic_only	.355	.179	3.931	1	.047	1.426
PA18_05R_A_Meets_strength_only .885 .367 5.817 1 .016 2.423		PA18_05R_A_Meets_both_criteria	.492	.231	4.542	1	.033	1.636
		PA18_05R_A_Meets_strength_only	.885	.367	5.817	1	.016	2.423

	[EMPWRKFT1_A=No]	onse]878 36		.018 23.143 1.799	1 .892 1 .000 1 .180	.416
	[EMPWRKFT1_A=Yes] category is: Very dissatisfied.	0			0	
b. This paramete it is redundant.	er is set to zero because					
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a. The reference category is: Very dissatisfied.