

Predicts Individual Life Satisfaction by Demographic Characteristics

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Title of your Report

Name(s) of Author(s)

Date

Abstract

Here is where you give a brief (one paragraph overview of your entire paper). This should include some background/introduction, some methodology, results and conclusions.

Introduction

Here is where you should give insight into the setting and introduce the goal of the analysis. Here you can introduce ideas and basic concepts regarding the study setting and the potential model. Again, this is the introduction, so you should be explaining the importance of the work that is ahead and hopefully build some suspense for the reader. You can also highlight what will be included in the subsequent sections.

Data

Introduce the data, explain why it was selected. Make sure to comment on important features and highlight any potential drawbacks to the data.

Model

Introduce the selected model here. It is expected that you will use some mathematical notation here. If you do please ensure that all notation is explained. You may also want to discuss any special (hypothetical) cases of your model here, as well as any caveats.

Results

Here you will include all results. This includes descriptive statistics, graphs, figures, tables, and model results. Please ensure that everything is well formatted and in a report style. You must also provide an explanation of the results in this section. You can overflow to an Appendix if needed.

Please ensure that everything is well labelled. So if you have multiple histograms and plots, calling them Figure 1, 2, 3, etc. and referencing them as Figure 1, Figure 2, etc. in your report will be expected. The reader should not get lost in a sea of information. Make sure to have the results be clean, well formatted and digestible.

Discussion

Here you will discuss conclusions drawn from the results and comment on how it relates to the original goal of the study (which was specified in the Introduction).

Weaknesses

Here we discuss weaknesses of the study, data, analysis, etc. You can also discuss areas for improvement.

Next Steps

Here you discuss subsequent work to be done after this report. This can include next steps in terms of statistical analysis (perhaps there is a more efficient algorithm available, or perhaps there is a caveat in the data that would allow for some new technique). Future steps should also be specified in terms of the study

Table 1: Estimated Coefficients

	train data	test data
(Intercept)	0.5715632	2.9569505
sexMale	1.1573914	1.1278009
educationLess than high school diploma or its equivalent	0.6438058	0.6965815
educationBachelor or above	1.1815105	1.2416650
educationcollege / below bachelor level	1.0814545	1.0783761
pop_centerRural and non (CMA/CA) or Prince Edward Island	0.8260040	0.8455455
marital_statusLiving common-law	0.7196072	0.6073649
marital_statusMarried	0.5045140	0.4325198
marital_statusSeparated	1.5798141	1.2372201
marital_statusSingle, never married	1.3802711	1.0770300
marital_statusWidowed	0.7933990	0.7114988
living_arrangementLiving with one parent	1.1416012	0.9686612
living_arrangementLiving with two parents	0.8078423	0.7462950
living_arrangementOther living arrangement	0.9502616	1.0315497
living_arrangementSpouse and other	1.3132988	0.9466352
living_arrangementNo spouse and children	0.9755883	0.9135302
living_arrangementSpouse and children	1.2284681	1.1293884
selfRated_healthFair	2.9897102	2.5263154
selfRated_healthGood	1.7227476	1.5915493
selfRated_healthPoor	3.9764654	4.1470804
selfRated_mental_healthExcellent	0.8380869	0.2154685
selfRated_mental_healthFair	10.2763394	2.5726144
selfRated_mental_healthGood	3.7961888	1.0084707
selfRated_mental_healthPoor	7.9098211	2.7936257
selfRated_mental_healthVery good	1.8099553	0.4595464

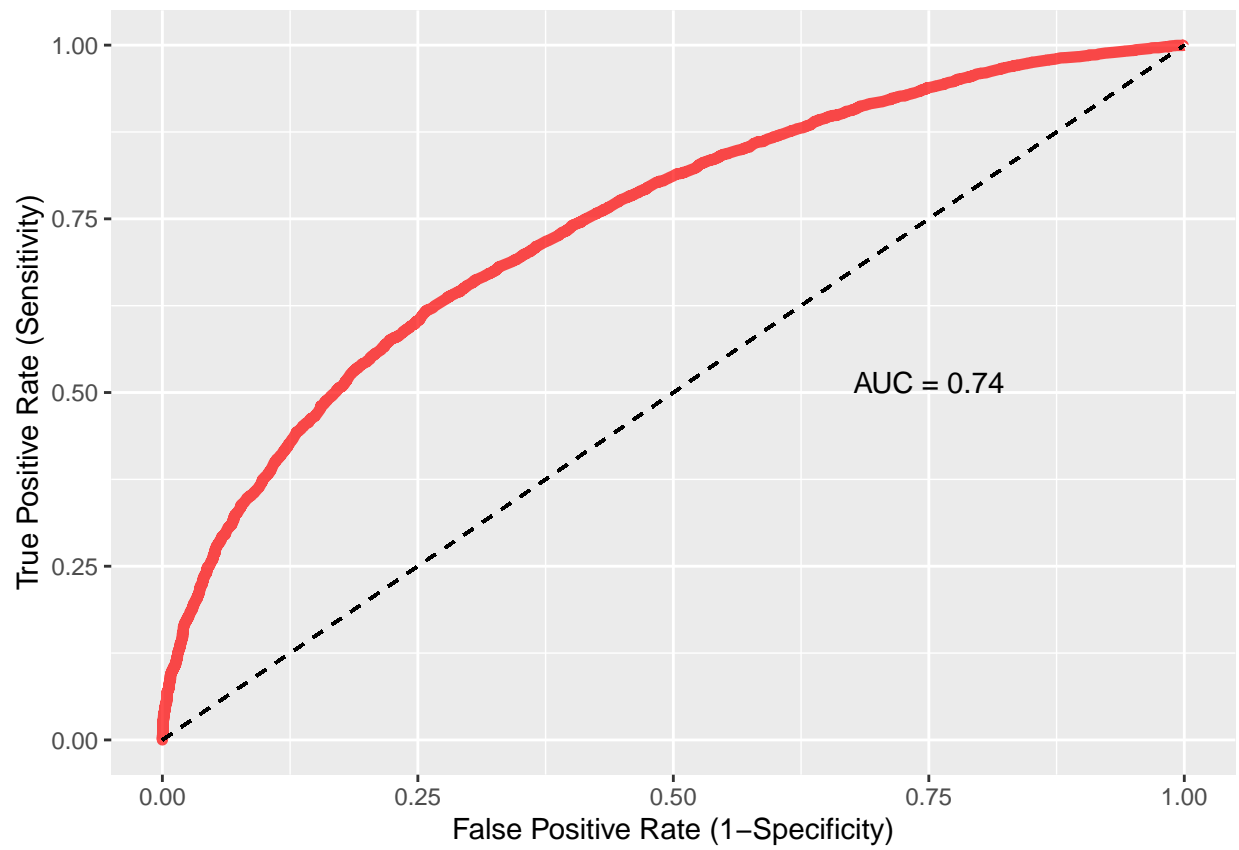


Figure 1: ROC curve

setting (eg. including a follow-up survey on something, or a subsequent study that would complement the conclusions of your report).

References

Appendix

## Table: GSS Data	
##	Atlantic region (N=
## :-----	:-----
## **age**	
## Mean (SD)	53.526 (17.244)
## Range	15.200 - 80.000
## **sex**	
## Female	2537 (55.6%)
## Male	2027 (44.4%)
## **income_family**	
## \$100,000 to \$ 124,999	434 (9.5%)
## \$125,000 and more	898 (19.7%)
## \$25,000 to \$49,999	1050 (23.0%)
## \$50,000 to \$74,999	844 (18.5%)
## \$75,000 to \$99,999	679 (14.9%)
## Less than \$25,000	659 (14.4%)
## **place_birth_canada**	
## N-Miss	18
## Born in Canada	4237 (93.2%)
## Born outside Canada	277 (6.1%)
## Don't know	32 (0.7%)
## **education**	
## N-Miss	71
## Bachelor's degree (e.g. B.A., B.Sc., LL.B.)	717 (16.0%)
## College, CEGEP or other non-university certificate or di...	1068 (23.8%)
## High school diploma or a high school equivalency certificate	1065 (23.7%)
## Less than high school diploma or its equivalent	804 (17.9%)
## Trade certificate or diploma	354 (7.9%)
## University certificate or diploma below the bachelor's level	135 (3.0%)
## University certificate, diploma or degree above the bach...	350 (7.8%)
## **pop_center**	
## Larger urban population centres (CMA/CA)	2592 (56.8%)
## Prince Edward Island	708 (15.5%)
## Rural areas and small population centres (non CMA/CA)	1264 (27.7%)
## **feelings_life**	
## N-Miss	67
## Mean (SD)	8.161 (1.635)
## Range	0.000 - 10.000
## **marital_status**	
## N-Miss	1
## Divorced	350 (7.7%)
## Living common-law	443 (9.7%)
## Married	2185 (47.9%)
## Separated	183 (4.0%)
## Single, never married	903 (19.8%)

## &N-Miss					499 (10.9%)
## **vis_minority**					
## &N-Miss					25
## &Don't know					53 (1.2%)
## &Not a visible minority					4376 (96.4%)
## &Visible minority					110 (2.4%)
## **citizenship_status**					
## &~ &N-Miss					114
## &~&By birth					4252 (95.6%)
## &~&By naturalization					166 (3.7%)
## &~&Don't know					32 (0.7%)
## **own_rent**					
## &~&N-Miss					27
## &~&Don't know					27 (0.6%)
## &~&Owned by you or a member of this household, even if it i...					3467 (76.4%)
## &~&Rented, even if no cash rent is paid					1043 (23.0%)
## **living_arrangement**					
## &~&Alone					1247 (27.3%)
## &~&Living with one parent					109 (2.4%)
## &~&Living with two parents					167 (3.7%)
## &~&No spouse and non-single child(ren)					1 (0.0%)
## &~&No spouse and single child 25 years of age or older					41 (0.9%)
## &~&No spouse and single child under 25 years of age					190 (4.2%)
## &~&Other living arrangement					254 (5.6%)
## &~&Spouse and non-single child(ren)					1 (0.0%)
## &~&Spouse and other					46 (1.0%)
## &~&Spouse and single child 25 years of age or older					91 (2.0%)
## &~&Spouse and single child under 25 years of age					799 (17.5%)
## &~&Spouse only					1618 (35.5%)
## **self Rated_health**					
## &~&N-Miss					19
## &~&Don't know					18 (0.4%)
## &~&Excellent					833 (18.3%)
## &~&Fair					542 (11.9%)
## &~&Good					1303 (28.7%)
## &~&Poor					216 (4.8%)
## &~&Very good					1633 (35.9%)
## **self Rated_mental_health**					
## &~&N-Miss					19
## &~&Don't know					16 (0.4%)
## &~&Excellent					1156 (25.4%)
## &~&Fair					340 (7.5%)
## &~&Good					1385 (30.5%)
## &~&Poor					79 (1.7%)
## &~&Very good					1569 (34.5%)
## **religion_has_affiliation**					
## &~&N-Miss					48
## &~&Don't know					39 (0.9%)
## &~&Has religious affiliation					3840 (85.0%)
## &~&No religious affiliation					637 (14.1%)
## **children_in_household**					
## &~&No child					3678 (80.6%)
## &~&One child					433 (9.5%)
## &~&Three or more children					92 (2.0%)

