Assignment LASI MSD-27 Ramnaresh

Given are the few research questions based on the LASI 2017-18 dataset. Review the

research questions and run a regression model that best fits the objective.

Few things to consider

1. Assign meaningful codes to the variables

1. Explain the model (No. of variables, Sample Size, Logic behind variable selection).

2. Not less than 6 independent variables.

3. Copy the output in scientific format in the MS word.

4. Write the interpretation briefly.

5. Attach the .do &amp; .docx file in a single folder and name it with your enrollment no.

Hint [Given are the few independent variables list which you can chose that best fits your

research question; Gender, Education, Age Group, Caste, Religion, MPCE quintile, Work

Status, Marital Status and living arrangements, tobacco consumption, alcohol

consumption and physical activity ]

10. What are the socio-economic and demographic determinants of self-rated health

among older adults?

use "C:\Users\nares\OneDrive\Desktop\IIPS Coach\Study MSD\MSD\_Semester-2\Extra\Nandita\_mam\MSD\_27\3\_LASI\_W1\_Individual.dta"

\*independent variables for socio-economic and demographic factors include:

\*10. What are the socio-economic and demographic determinants of self-rated health among older adults?

//self-rated -ht001\_a

//Socio-Economic Factors can be

\*Education level -dm008 ,Income - we020 ,Employment status- es008\_1 ,Health insurance coverage paid by self -we318cs1

// Demographic Factors cqn be

\*Age -dm005 ,caste category -dm013 ,place of residence - residence , covered with pension -we412, religion-dm010

ta we020

summarize we020

tab es008\_1

ta we318c

ta we318cs1

ta dm005

ta dm007

ta dm013

ta residence

ta dm021

ta we412

tab ht001\_a

\*first we need to convert ht001\_a into binary value 1.good or 2. bad by recide to run the logit

summarize ht001\_a

tabulate ht001\_a, missing

drop if ht001\_a == .

ta ht001\_a, nol

recode ht001\_a (4/5=0 "Good") (1 2 3=1 "Bad"), gen(selfrated\_health12)

ta selfrated\_health12

recode dm005 (18/45=1 "Young") (46/116=2 "Old"), gen(age12)

recode dm008 (1/2=0 "Primary") (3/5=1 "Secondary") (6/9=2 "Higher"), gen(education12)

recode dm010 (2=2 "Hindu") (3=3 "Muslim") (4=4 "Christian") (1 5 6 7 8 9 10=1 "Others"), gen(religion12)

\* recoding wealth quintile

recode mpce\_quintile (1/2=1 "Poor") (3=2 "Middle") (4/5=3 "Rich"), gen(wealth)

logit selfrated\_health12 i.age12 i.education12 i.dm013 i.residence i.religion12 i.wealth, or

// Interpretation

/\*

. logit selfrated\_health12 i.age12 i.education12 i.dm013 i.residence i.religion12 i.wealth, or

Iteration 0: log likelihood = -24052.708

Iteration 1: log likelihood = -23398.44

Iteration 2: log likelihood = -23392.171

Iteration 3: log likelihood = -23392.171

Logistic regression Number of obs = 37,739

LR chi2(12) = 1321.07

Prob > chi2 = 0.0000

Log likelihood = -23392.171 Pseudo R2 = 0.0275

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selfrated\_health12 | Odds ratio Std. err. z P>|z| [95% conf. interval]

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age12 |

Old | .5295522 .0176612 -19.06 0.000 .4960439 .5653239

|

education12 |

Secondary | 1.329555 .0318951 11.87 0.000 1.268489 1.393562

Higher | 2.003876 .0860847 16.18 0.000 1.842061 2.179906

|

dm013 |

2 Scheduled tribe | 2.106092 .1025943 15.29 0.000 1.914312 2.317085

3 Other backward class (OBC) | 1.109368 .0395106 2.91 0.004 1.03457 1.189574

4 None of them | .9230707 .0339326 -2.18 0.029 .8589033 .992032

|

residence |

2 Urban | 1.238556 .0288358 9.19 0.000 1.183308 1.296382

|

religion12 |

Hindu | .8526438 .0444398 -3.06 0.002 .7698446 .9443484

Muslim | .7465137 .0469261 -4.65 0.000 .6599803 .8443929

Christian | .7580737 .0493558 -4.25 0.000 .6672559 .8612525

|

wealth |

Middle | .9894737 .0313611 -0.33 0.738 .9298774 1.05289

Rich | .9171784 .0239337 -3.31 0.001 .8714486 .9653079

|

\_cons | 2.831248 .1877696 15.69 0.000 2.486141 3.224259

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Note: \_cons estimates baseline odds.

Older people are less likely to rate their health as good (OR = 0.53).

As Higher education increases the odds of good health (OR = 1.33 for secondary, OR = 2.00 for higher).

For urban residents health is more likely 25% more better than rural

Scheduled Tribes have twice the odds (OR = 2.1) of good health compared to Scheduled Castes.

Hindus are having more good health (OR =0.86)then Christians(OR=0.75) and Muslims(OR=0.76)

Wealth tells Rich people are less likely (OR = 0.92) to rate their health as good.

Pseudo R² = 2.75% which is a significant predictors.

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