

IPN Analyses

Derek Beaton

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Preliminaries

This part contains a few notes and blocks of code that will likely go unseen in the PDF but available in the RMarkdown document.

```
##      studysex      clinage      studied      cgsex
## FEMALE:548   Min.    : 65.00   Min.    : 0.000   FEMALE:588
## MALE    :250   1st Qu.: 79.00   1st Qu.: 6.000   MALE    :210
##                      Median : 85.00   Median : 8.000
##                      Mean    : 84.13   Mean    : 8.537
##                      3rd Qu.: 89.00   3rd Qu.:11.000
##                      Max.    :104.00   Max.    :20.000
##                      NA's    :102
##      cgage      cgedyrs      cgedlev      apathy      wander
## Min.    :26.00   Min.    : 0.00   <HS      :298   MAYBE: 32   MAYBE: 14
## 1st Qu.:51.00   1st Qu.: 9.00   <BACHELORS:215   NO    :491   NO    :576
## Median :60.00   Median :12.00   HS       :157   YES   :190   YES   : 82
## Mean    :60.12   Mean    :11.82   BACHELORS : 66   NA's  : 85   NA's  :126
## 3rd Qu.:70.00   3rd Qu.:14.00   MASTERS   : 32
## Max.    :93.00   Max.    :25.00   (Other)   : 28
## NA's    : 7     NA's    :10     NA's      : 2
##      violenc      disinh      otherbe      sad      interest      appetite
## MAYBE: 19   MAYBE: 17   MAYBE: 6   NO    :459   NO    :477   NO    :593
## NO    :631   NO    :588   NO    :652   YES   :191   YES   :156   YES   : 69
## YES   : 55   YES   : 97   YES   : 47   NA's :148   NA's :165   NA's :136
## NA's : 93   NA's : 96   NA's : 93
##
##
##
##      lossweig      asleep      awaken      allday      tiredall      move
## NO    :569   NO    :547   NO    :544   NO    :569   NO    :522   NO    :615
## YES   : 87   YES   :127   YES   :115   YES   : 94   YES   :118   YES   : 39
## NA's :142   NA's :124   NA's :139   NA's :135   NA's :158   NA's :144
##
##
##
##      worthles      suicide      impress      shorterm      longterm      abstract
## NO    :566   NO    :593   MAYBE      : 88   NO    : 9   NO    :132   NO    : 58
## YES   : 63   YES   : 31   NO          :543   YES   :746   YES   :591   YES   :658
## NA's :169   NA's :174   NOT_RELEVANT: 2   NA's : 43   NA's : 75   NA's : 82
##                      YES          : 70
##                      NA's         : 95
##
##
##
##      judgemen      aphasia      apraxia      change      work      social
## NO    :143   NO    :324   NO    :287   NO    :179   NO    :169   NO    : 86
```

```

## YES :534   YES :365   YES :349   YES :552   YES :502   YES :640
## NA's:121   NA's:109   NA's:162   NA's: 67   NA's:127   NA's: 72
##
##
##
## relation      dbdscore      adlrate      c238
## NO :128      Min. : 0.00      EXCELLENT.or.GOOD : 17      NO :257
## YES :585      1st Qu.:10.00      MILD.IMPAIRMENT : 41      YES :538
## NA's: 85      Median :17.00      MODERATE.IMPAIRMENT:105      NA's: 3
##              Mean :19.04      SEVERE.IMPAIRMENT :128
##              3rd Qu.:25.00      TOTAL.IMPAIRMENT :504
##              Max. :76.00      NA's : 3
##              NA's :84
##      c239      c240      c241      c242      c243      c244
## NO :504      NO :417      LESS:151      LESS:130      NO :583      LESS: 99
## YES :284      YES :369      MORE:254      MORE:222      YES :159      MORE:272
## NA's: 10      NA's: 12      NO :386      NO :423      NA's: 56      NO :416
##              NA's: 7      NA's: 23      NA's: 11
##
##
##
##      c246      c247      c248      c249      c250
## GRADUAL:499      GREAT :466      GREAT :447      GREAT :265      GREAT :172
## SUDDEN :127      NO : 75      NO : 96      NO :369      NO :414
## NA's :172      SLIGHT:206      SLIGHT:242      SLIGHT:153      SLIGHT: 83
##              NA's : 51      NA's : 13      NA's : 11      NA's :129
##
##
##
##      c254      c255      c256      c257      c258      c259
## NO :155      NO :316      NO :397      NO :226      NO :185      NO :187
## YES :636      OFTEN :254      YES :358      YES :424      YES :573      YES :583
## NA's: 7      SOMETIMES:163      NA's: 43      NA's:148      NA's: 40      NA's: 28
##              NA's : 65
##
##
##
##      c261      c262      c263      c264      c265
## GRADUAL:616      GRADUAL:496      GREAT :328      GREAT :353      HAS.TO.BE.FED:140
## SUDDEN :120      SUDDEN :197      NO :216      NO :204      MESSY : 96
## NA's : 62      NA's :105      SLIGHT:103      SLIGHT: 86      NO :514
##              NA's :151      NA's :155      SIMPLE.SOLIDS: 39
##              NA's : 9
##
##
##
##      c266      c267      c269      c275      c276
## NO :325      DOUBLY :252      GRADUAL:482      NO :326      NO :704
## OCCASIONAL: 84      NO :326      SUDDEN :126      YES :444      YES : 58
## UNABLE :306      OCCASIONAL:125      NA's :190      NA's: 28      NA's: 36
## WRONG : 64      OFTEN : 69
## NA's : 19      NA's : 26
##
##

```

```

##      c277      c280      c281      c282      c283      c286
## NO :444 NO :583 NO :490 NO :560 NO :564 NO :589
## YES :321 YES :162 YES :217 YES :133 YES :121 YES :187
## NA's: 33 NA's: 53 NA's: 91 NA's:105 NA's:113 NA's: 22
##
##
##
##      c287      c288      c289      c290      c292      c301
## NO :602 NO :570 NO :465 NO :544 GREAT:272 NO :650
## YES :165 YES :196 YES :293 YES :223 NO :258 ONE : 88
## NA's: 31 NA's: 32 NA's: 40 NA's: 31 SOME :205 THREE: 4
##                                     NA's : 63 TWO : 4
##                                     NA's : 52
##
##
##
##      c302      c303      c304      c305      c306      c307
## CURRENT : 14 NO :556 NO :572 NO :640 NO :667 BARB : 8
## INFANTILE: 14 YES :238 YES :221 YES : 88 YES : 40 HYP : 12
## NO :743 NA's: 4 NA's: 5 NA's: 70 NA's: 91 NO :653
## PAST : 13 OTHER: 56
## NA's : 14 TRANQ: 50
##                                     NA's : 19
##
##
##      c308      c309      c318      c319      c320
## NO :570 NO :695 Min. :0.0000 Min. :0.0000 Min. :0.00000
## YES :226 YES : 80 1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:0.00000
## NA's: 2 NA's: 23 Median :0.0000 Median :0.0000 Median :0.00000
##                                     Mean :0.2884 Mean :0.1377 Mean :0.03096
##                                     3rd Qu.:0.0000 3rd Qu.:0.0000 3rd Qu.:0.00000
##                                     Max. :4.0000 Max. :5.0000 Max. :2.00000
##                                     NA's :63 NA's :79 NA's :55
##
##      c321      painkill
## Min. :0.00000 NO :296
## 1st Qu.:0.00000 YES :359
## Median :0.00000 NA's:143
## Mean :0.04626
## 3rd Qu.:0.00000
## Max. :5.00000
## NA's :63
##
## studysex clinage studied cgsex cgage cgedyrs cgedlev
## "factor" "numeric" "numeric" "factor" "numeric" "integer" "factor"
## apathy wander violenc disinhi otherbe sad interest
## "factor" "factor" "factor" "factor" "factor" "factor" "factor"
## appetite lossweig asleep awaken allday tiredall move
## "factor" "factor" "factor" "factor" "factor" "factor" "factor"
## worthles suicide impress shortterm longterm abstract judgemen
## "factor" "factor" "factor" "factor" "factor" "factor" "factor"
## aphasia apraxia change work social relation dbdscore
## "factor" "factor" "factor" "factor" "factor" "factor" "numeric"
## adlrate c238 c239 c240 c241 c242 c243
## "factor" "factor" "factor" "factor" "factor" "factor" "factor"
## c244 c246 c247 c248 c249 c250 c254

```

```
## "factor" "factor" "factor" "factor" "factor" "factor" "factor"
##      c255      c256      c257      c258      c259      c261      c262
## "factor" "factor" "factor" "factor" "factor" "factor" "factor"
##      c263      c264      c265      c266      c267      c269      c275
## "factor" "factor" "factor" "factor" "factor" "factor" "factor"
##      c276      c277      c280      c281      c282      c283      c286
## "factor" "factor" "factor" "factor" "factor" "factor" "factor"
##      c287      c288      c289      c290      c292      c301      c302
## "factor" "factor" "factor" "factor" "factor" "factor" "factor"
##      c303      c304      c305      c306      c307      c308      c309
## "factor" "factor" "factor" "factor" "factor" "factor" "factor"
##      c318      c319      c320      c321 painkill
## "numeric" "numeric" "numeric" "numeric" "factor"
```

Introduction

Code & Analyses

Conclusions