

## Describe all features in the depression dataset

### 1. Q1 → Q42

survey questions and stored in multiple phases

- a. QxA → is the stored answer from 1 to 4 [important]
- b. QxE → the time taken until the user answered the question [not important]
- c. QxI → the question number in the survey [from 1 to 42] [not important]

### 2. Introelapse → server side duration [not important]

### 3. Testelapse → server side duration [not important]

### 4. Surveyelapse → server side duration [not important]

### 5. TIPI1 → Extraverted, enthusiastic. [important]

### 6. TIPI2 → Critical, quarrelsome. [important]

### 7. TIPI3 → Dependable, self-disciplined. [important]

### 8. TIPI4 → Anxious, easily upset. [important]

### 9. TIPI5 → Open to new experiences, complex. [important]

### 10. TIPI6 → Reserved, quiet. [important]

### 11. TIPI7 → Sympathetic, warm. [important]

### 12. TIPI8 → Disorganized, careless. [important]

### 13. TIPI9 → Calm, emotionally stable. [important]

### 14. TIPI10 → Conventional, uncreative. [important]

**NOTE:** The TIPI items were rated "I see myself as:" \_\_\_\_\_ such that

1 = Disagree strongly

2 = Disagree moderately

3 = Disagree a little

4 = Neither agree nor disagree

5 = Agree a little

6 = Agree moderately

7 = Agree strongly

### 15. The following items were presented as a check-list and subjects were instructed "In the grid below, check all the words whose definitions you are sure you know":

### 16. VCL1 → boat [not important]

### 17. VCL2 → incoherent [not important]

### 18. VCL3 → pallid [not important]

### 19. VCL4 → robot [not important]

### 20. VCL5 → audible [not important]

21. VCL6 → cuivocal [not important]
22. VCL7 → paucity [not important]
23. VCL8 → epistemology [not important]
24. VCL9 → florted [not important]
25. VCL10 → decide [not important]
26. VCL11 → pastiche [not important]
27. VCL12 → verdid [not important]
28. VCL13 → abysmal [not important]
29. VCL14 → lucid [not important]
30. VCL15 → betray [not important]
31. VCL16 → funny [not important]
  
32. Education → scale from 1 to 4 [important]
33. Urban → "What type of area did you live when you were a child?" [important]
34. gender → "What is your gender?", 1=Male, 2=Female, 3=Other [important]
35. engnat "Is English your native language?", 1=Yes, 2=No [considerable]
36. age → "How many years old are you?" [important]
37. hand → "What hand do you use to write with?", 1=Right, 2=Left, 3=Both [not important]
38. religion → "What is your religion?", 1=Agnostic, 2=Atheist, 3=Buddhist, 4=Christian (Catholic), 5=Christian (Mormon), 6=Christian (Protestant), 7=Christian (Other), 8=Hindu, 9=Jewish, 10=Muslim, 11=Sikh, 12=Other [important]
39. orientation → "What is your sexual orientation?", 1=Heterosexual, 2=Bisexual, 3=Homosexual, 4=Asexual, 5=Other [considerable]
40. race → "What is your race?", 10=Asian, 20=Arab, 30=Black, 40=Indigenous Australian, 50=Native American, 60=White, 70=Other [important]
41. voted → "Have you voted in a national election in the past year?", 1=Yes, 2=No [not important]
42. married → "What is your marital status?", 1=Never married, 2=Currently married, 3=Previously married [important]
43. familysize → "Including you, how many children did your mother have?" [important]
44. major → "If you attended a university, what was your major (e.g. "psychology", "English", "civil engineering")?" [important]
45. country → [not important]
46. screensize → [not important]
47. uniquenetworklocation → [not important]
48. source → [not important]

## Input Format for features to predict inside model

The features will be explained by order they enter the model

### 1. From Q1A to Q42A

#### a. Values [1, 2, 3, 4]

- i. 1 = Did not apply to me at all
- ii. 2 = Applied to me to some degree, or some of the time
- iii. 3 = Applied to me to a considerable degree, or a good part of the time
- iv. 4 = Applied to me very much, or most of the time

### 2. From TIPI1 to TIPI10

#### a. Values [1, 2, 3, 4, 5, 6, 7]

- i. 1 = Disagree strongly
- ii. 2 = Disagree moderately
- iii. 3 = Disagree a little
- iv. 4 = Neither agree nor disagree
- v. 5 = Agree a little
- vi. 6 = Agree moderately
- vii. 7 = Agree strongly

### 3. Education

#### a. Values [1, 2, 3, 4]

- i. 1 = Less than high school,
- ii. 2 = High school,
- iii. 3 = University degree,
- iv. 4 = Graduate degree

### 4. Urban

#### a. Values [1, 2, 3]

- i. 1=Rural (country side),
- ii. 2=Suburban,
- iii. 3=Urban (town, city)

### 5. Gender

#### a. Values [1, 2, 3]

- i. 1=Male,
- ii. 2=Female,
- iii. 3=Other

### 6. Religion

a. Values [1, 2, 3, ..., 12]

- i. 1=Agnostic,
- ii. 2=Atheist,
- iii. 3=Buddhist,
- iv. 4=Christian (Catholic),
- v. 5=Christian (Mormon),
- vi. 6=Christian (Protestant),
- vii. 7=Christian (Other),
- viii. 8=Hindu,
- ix. 9=Jewish,
- x. 10=Muslim,
- xi. 11=Sikh,
- xii. 12=Other

7. Race

a. Values [1, 2, 3, 4, 5, 6, 7]

- i. 1=Asian,
- ii. 2=Arab,
- iii. 3=Black,
- iv. 4=Indigenous Australian,
- v. 5=Native American,
- vi. 6=White,
- vii. 7=Other

8. Married

a. Values [1, 2, 3]

- i. 1=Never married,
- ii. 2=Currently married,
- iii. 3=Previously married

9. Familysize

a. Values [1, 2, 3, 4, ..., 20]

- i. Family size at most is 20 person

10. age\_group

a. Values [1, 2, 3, 4, 5, 6]

- i. value <= 10: 'Under 10' → 1
- ii. 10 <= value <= 16: 'Primary Children' → 2
- iii. 17 <= value <= 21: 'Secondary Children' → 3
- iv. 21 <= value <= 35: 'Adults' → 4
- v. 36 <= value <= 48: 'Elder Adults' → 5
- vi. value >= 49: 'Older People' → 6