

# DATA DESCRIPTION REPORT

## Data Quantity

### File Format

The given dataset is in CSV (Comma-Separated Values) file format. A comma-separated values file is a delimited text file that uses a comma to separate values. Each line of the file is a data record. Each record consists of one or more fields, separated by commas. The use of the comma as a field separator is the source of the name for this file format.

### Data Gathering

This data was collected with an online version of the Depression Anxiety Stress Scales (DASS-19), see <http://www2.psy.unsw.edu.au/dass/>

The survey was open to anyone, and people were motivated to take it to get personalized results. At the end of the test, they also were given the option to complete a short research survey. This dataset comes from those who agreed to complete the research survey and answered yes to the question "Have you given accurate answers, and may they be used for research?" at the end.

This data was collected 2017 - 2019.

### Data Dimension

- Fields: 172
- Records: 39775

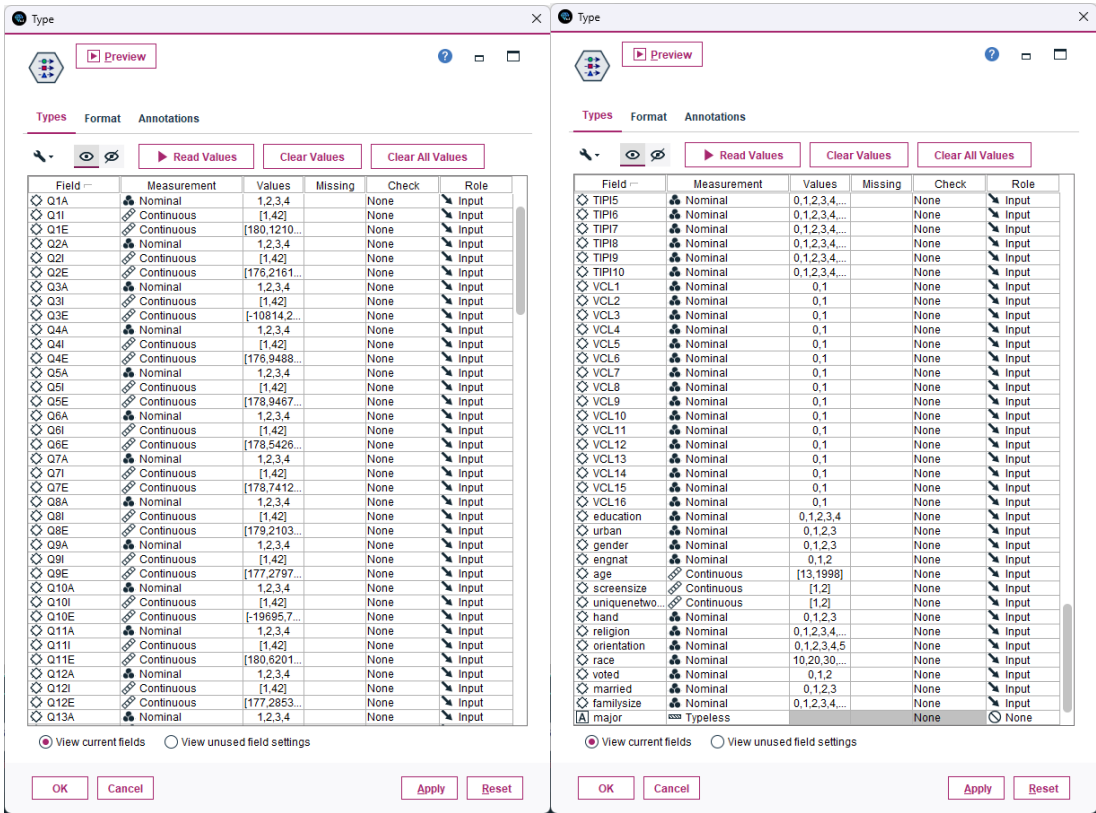
## Data Quality

### Characteristics of Data

The data includes characteristics which are relevant to the business question related to depression, anxiety, and stress.

Data Types

The dataset contains values of fields in Numeric, Categorical and String format datatype.



Basic Data Statistics

Field	Measurement	Min	Max	Mean	Std. Dev	Skewness	Unique	Valid
Q1A	Nominal	1	4	--	--	--	4	39775
Q1I	Continuous	1	42	21.556	12.134	-0.009	--	39775
Q1E	Continuous	180	12102282	6970.591	86705.13	102.756	--	39775
Q2A	Nominal	1	4	--	--	--	4	39775
Q2I	Continuous	1	42	21.248	12.125	0.025	--	39775
Q2E	Continuous	176	2161057	5332.376	26513.61	63.955	--	39775
Q3A	Nominal	1	4	--	--	--	4	39775
Q3I	Continuous	1	42	21.583	12.116	-0.005	--	39775
Q3E	Continuous	-10814	28582689	7426.446	158702.4	154.837	--	39775
Q4A	Nominal	1	4	--	--	--	4	39775
Q4I	Continuous	1	42	21.5	12.152	0.003	--	39775
Q4E	Continuous	176	9488330	7128.728	75984.86	91.47	--	39775
Q5A	Nominal	1	4	--	--	--	4	39775
Q5I	Continuous	1	42	21.492	12.147	0.008	--	39775
Q5E	Continuous	178	9467497	5919.306	64282.07	105.508	--	39775
Q6A	Nominal	1	4	--	--	--	4	39775

Q6I	Continuous	1	42	21.563	12.096	0	--	39775
Q6E	Continuous	178	5426858	5724.097	50195.83	78.488	--	39775
Q7A	Nominal	1	4	--	--	--	4	39775
Q7I	Continuous	1	42	21.528	12.144	-0.009	--	39775
Q7E	Continuous	178	74124488	9776.971	442758.8	137.317	--	39775
Q8A	Nominal	1	4	--	--	--	4	39775
Q8I	Continuous	1	42	21.569	12.095	-0.006	--	39775
Q8E	Continuous	179	2103626	4444.627	22916.18	64.558	--	39775
Q9A	Nominal	1	4	--	--	--	4	39775
Q9I	Continuous	1	42	21.583	12.13	-0.011	--	39775
Q9E	Continuous	177	279772213	18330.829	1409724	196.582	--	39775
Q10A	Nominal	1	4	--	--	--	4	39775
Q10I	Continuous	1	42	21.418	12.112	0.004	--	39775
Q10E	Continuous	-19695	74471124	9157.494	418635.5	153.744	--	39775
Q11A	Nominal	1	4	--	--	--	4	39775
Q11I	Continuous	1	42	21.434	12.135	0.005	--	39775
Q11E	Continuous	180	6201142	5490.152	54386.16	85.579	--	39775
Q12A	Nominal	1	4	--	--	--	4	39775
Q12I	Continuous	1	42	21.486	12.092	-0.005	--	39775
Q12E	Continuous	177	28535639	6570.469	146832.8	185.196	--	39775
Q13A	Nominal	1	4	--	--	--	4	39775
Q13I	Continuous	1	42	21.501	12.076	0.007	--	39775
Q13E	Continuous	177	4095293	3931.872	28273.89	103.783	--	39775
Q14A	Nominal	1	4	--	--	--	4	39775
Q14I	Continuous	1	42	21.572	12.118	-0.012	--	39775
Q14E	Continuous	180	75366349	10348.747	381949.2	193.324	--	39775
Q15A	Nominal	1	4	--	--	--	4	39775
Q15I	Continuous	1	42	21.502	12.117	-0.002	--	39775
Q15E	Continuous	-8195	6211384	5243.594	40041.61	116.733	--	39775
Q16A	Nominal	1	4	--	--	--	4	39775
Q16I	Continuous	1	42	21.459	12.133	0.006	--	39775
Q16E	Continuous	-493	18593374	6446.743	101679.3	157.398	--	39775
Q17A	Nominal	1	4	--	--	--	4	39775
Q17I	Continuous	1	42	21.497	12.131	0.001	--	39775
Q17E	Continuous	177	8804235	5197.918	48798.56	151.44	--	39775
Q18A	Nominal	1	4	--	--	--	4	39775
Q18I	Continuous	1	42	21.531	12.069	0.001	--	39775
Q18E	Continuous	179	43266690	7293.52	222170.6	186.493	--	39775
Q19A	Nominal	1	4	--	--	--	4	39775
Q19I	Continuous	1	42	21.55	12.132	-0.008	--	39775
Q19E	Continuous	180	53230195	11244.458	337352.2	137.98	--	39775
Q20A	Nominal	1	4	--	--	--	4	39775
Q20I	Continuous	1	42	21.52	12.173	0.002	--	39775

Q20E	Continuous	177	4950647	4965.477	32686.87	117.518	--	39775
Q21A	Nominal	1	4	--	--	--	4	39775
Q21I	Continuous	1	42	21.567	12.107	-0.013	--	39775
Q21E	Continuous	-5125	29328385	5596.29	153392.5	178.48	--	39775
Q22A	Nominal	1	4	--	--	--	4	39775
Q22I	Continuous	1	42	21.516	12.101	0.002	--	39775
Q22E	Continuous	178	3464030	6865.094	38291.88	50.005	--	39775
Q23A	Nominal	1	4	--	--	--	4	39775
Q23I	Continuous	1	42	21.479	12.108	0.006	--	39775
Q23E	Continuous	177	1609274	4603.325	16441.56	60.623	--	39775
Q24A	Nominal	1	4	--	--	--	4	39775
Q24I	Continuous	1	42	21.531	12.08	-0.002	--	39775
Q24E	Continuous	176	49175189	8142.97	251854.2	187.663	--	39775
Q25A	Nominal	1	4	--	--	--	4	39775
Q25I	Continuous	1	42	21.563	12.109	-0.009	--	39775
Q25E	Continuous	180	65356830	14082.905	378025.9	144.794	--	39775
Q26A	Nominal	1	4	--	--	--	4	39775
Q26I	Continuous	1	42	21.445	12.11	0.008	--	39775
Q26E	Continuous	179	10010729	5336.94	57593.56	141.005	--	39775
Q27A	Nominal	1	4	--	--	--	4	39775
Q27I	Continuous	1	42	21.527	12.141	0.002	--	39775
Q27E	Continuous	176	60807360	8448.039	332784.6	161.917	--	39775
Q28A	Nominal	1	4	--	--	--	4	39775
Q28I	Continuous	1	42	21.496	12.109	0	--	39775
Q28E	Continuous	177	151281923	8183.67	759274.9	198.857	--	39775
Q29A	Nominal	1	4	--	--	--	4	39775
Q29I	Continuous	1	42	21.463	12.172	0.015	--	39775
Q29E	Continuous	178	47570142	8493.556	267420.6	151.951	--	39775
Q30A	Nominal	1	4	--	--	--	4	39775
Q30I	Continuous	1	42	21.453	12.154	0.009	--	39775
Q30E	Continuous	-4328	34265188	9719.105	179240.5	177.459	--	39775
Q31A	Nominal	1	4	--	--	--	4	39775
Q31I	Continuous	1	42	21.48	12.106	0.005	--	39775
Q31E	Continuous	177	9711339	7069.761	54198	148.286	--	39775
Q32A	Nominal	1	4	--	--	--	4	39775
Q32I	Continuous	1	42	21.387	12.122	0.003	--	39775
Q32E	Continuous	180	39791945	12721.997	371040.1	97.095	--	39775
Q33A	Nominal	1	4	--	--	--	4	39775
Q33I	Continuous	1	42	21.452	12.135	-0.002	--	39775
Q33E	Continuous	179	8658903	5272.239	51466.99	128.238	--	39775
Q34A	Nominal	1	4	--	--	--	4	39775
Q34I	Continuous	1	42	21.498	12.121	-0.009	--	39775
Q34E	Continuous	-1615	21328973	4871.684	108623.4	190.513	--	39775

Q35A	Nominal	1	4	--	--	--	4	39775
Q35I	Continuous	1	42	21.574	12.134	-0.009	--	39775
Q35E	Continuous	183	72970668	14105.871	376000.4	184.645	--	39775
Q36A	Nominal	1	4	--	--	--	4	39775
Q36I	Continuous	1	42	21.398	12.09	0.005	--	39775
Q36E	Continuous	178	4133123	4335.748	30703.42	86.148	--	39775
Q37A	Nominal	1	4	--	--	--	4	39775
Q37I	Continuous	1	42	21.556	12.104	-0.008	--	39775
Q37E	Continuous	-165	12710289	6811.023	76601.33	126.487	--	39775
Q38A	Nominal	1	4	--	--	--	4	39775
Q38I	Continuous	1	42	21.53	12.147	-0.007	--	39775
Q38E	Continuous	-8921	59401008	5838.114	301126	193.495	--	39775
Q39A	Nominal	1	4	--	--	--	4	39775
Q39I	Continuous	1	42	21.537	12.119	0.002	--	39775
Q39E	Continuous	-144	31773217	8472.124	168614.1	172.35	--	39775
Q40A	Nominal	1	4	--	--	--	4	39775
Q40I	Continuous	1	42	21.51	12.124	0.002	--	39775
Q40E	Continuous	178	56297555	10274.1	320856.9	148.109	--	39775
Q41A	Nominal	1	4	--	--	--	4	39775
Q41I	Continuous	1	42	21.483	12.115	0.002	--	39775
Q41E	Continuous	-159	8021110	5540.696	59782.87	108.02	--	39775
Q42A	Nominal	1	4	--	--	--	4	39775
Q42I	Continuous	1	42	21.463	12.143	0.003	--	39775
Q42E	Continuous	178	7750098	8300.695	77650.78	70.972	--	39775
country	Nominal	--	--	--	--	--	146	39775
source	Nominal	0	2	--	--	--	3	39775
introelapse	Continuous	0	20829735	2432.594	138313.8	112.668	--	39775
testelapse	Continuous	12	20829721	2684.843	148241.8	99.959	--	39775
surveyelapse	Continuous	1	20828454	4673.672	184217.9	71.933	--	39775
TIPI1	Nominal	0	7	--	--	--	8	39775
TIPI2	Nominal	0	7	--	--	--	8	39775
TIPI3	Nominal	0	7	--	--	--	8	39775
TIPI4	Nominal	0	7	--	--	--	8	39775
TIPI5	Nominal	0	7	--	--	--	8	39775
TIPI6	Nominal	0	7	--	--	--	8	39775
TIPI7	Nominal	0	7	--	--	--	8	39775
TIPI8	Nominal	0	7	--	--	--	8	39775
TIPI9	Nominal	0	7	--	--	--	8	39775
TIPI10	Nominal	0	7	--	--	--	8	39775
VCL1	Nominal	0	1	--	--	--	2	39775
VCL2	Nominal	0	1	--	--	--	2	39775
VCL3	Nominal	0	1	--	--	--	2	39775
VCL4	Nominal	0	1	--	--	--	2	39775

VCL5	Nominal	0	1	--	--	--	2	39775
VCL6	Nominal	0	1	--	--	--	2	39775
VCL7	Nominal	0	1	--	--	--	2	39775
VCL8	Nominal	0	1	--	--	--	2	39775
VCL9	Nominal	0	1	--	--	--	2	39775
VCL10	Nominal	0	1	--	--	--	2	39775
VCL11	Nominal	0	1	--	--	--	2	39775
VCL12	Nominal	0	1	--	--	--	2	39775
VCL13	Nominal	0	1	--	--	--	2	39775
VCL14	Nominal	0	1	--	--	--	2	39775
VCL15	Nominal	0	1	--	--	--	2	39775
VCL16	Nominal	0	1	--	--	--	2	39775
education	Nominal	0	4	--	--	--	5	39775
urban	Nominal	0	3	--	--	--	4	39775
gender	Nominal	0	3	--	--	--	4	39775
engnat	Nominal	0	2	--	--	--	3	39775
age	Continuous	13	1998	23.612	21.582	76.761	--	39775
screen size	Nominal	1	2	--	--	--	2	39775
uniquenetworklocation	Nominal	1	2	--	--	--	2	39775
hand	Nominal	0	3	--	--	--	4	39775
religion	Nominal	0	12	--	--	--	13	39775
orientation	Nominal	0	5	--	--	--	6	39775
race	Nominal	10	70	--	--	--	7	39775
voted	Nominal	0	2	--	--	--	3	39775
married	Nominal	0	3	--	--	--	4	39775
family size	Nominal	0	133	--	--	--	28	39775

- In columns like elapsed time of all answer has minimum value as negative, which is invalid as time can't be negative.
- The maximum age is 1998 which is impossible, whereas it could be the birth year.
- The family size has a maximum value of 133 which is practically impossible and the minimum value is 0 in the data set it should be 1 as the person has to include himself.

Non - Priority Fields

- screen size
- uniquenetworklocation
- hand
- voted
- engnat
- source