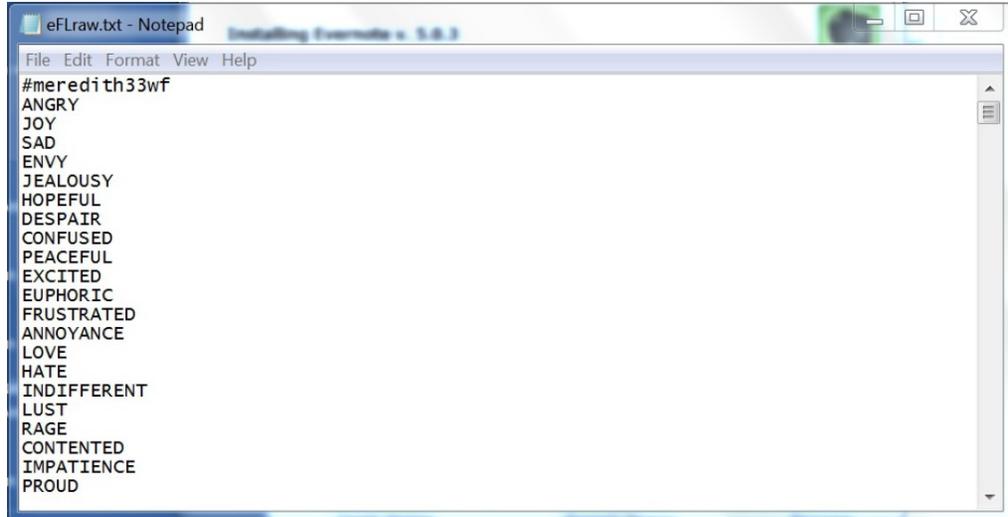


Free Lists

Original free list data file: EFLRAW.TXT

Cleaned data file: EFLCL.TXT

Import file format:



The screenshot shows a Notepad window titled 'eFlraw.txt - Notepad'. The text inside the window is a list of emotion words, each on a new line, starting with a comment line '#meredith33wf'. The words are: ANGRY, JOY, SAD, ENVY, JEALOUSY, HOPEFUL, DESPAIR, CONFUSED, PEACEFUL, EXCITED, EUPHORIC, FRUSTRATED, ANNOYANCE, LOVE, HATE, INDIFFERENT, LUST, RAGE, CONTENTED, IMPATIENCE, and PROUD.

1. To import free list data

DATA menu → IMPORT → FREELIST

data file: EFLRAW.TXT

SOUNDEX: LOW (to identify words that “sound alike”)

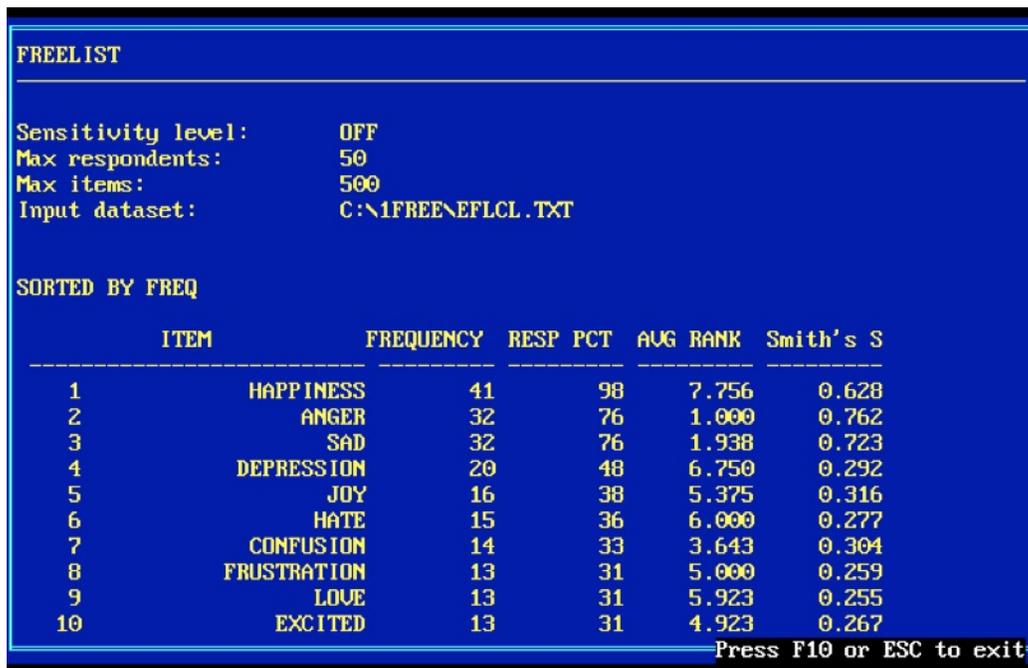
File OUTPUT.LOG in data directory contains list of items sorted by frequency

2. Data needs to be cleaned

Import FLFREE (file with words changed after SOUNDEX import procedure)

Look for duplicates SOUNDEX missed (like joyous and joyful)

Edit these in the FLFREE file to match, rename file (EFLCL.TXT), and then import again



The screenshot shows a terminal window with a blue background and white text. The output is as follows:

```
FREELIST
-----
Sensitivity level: OFF
Max respondents: 50
Max items: 500
Input dataset: C:\1FREE\EFLCL.TXT

SORTED BY FREQ

ITEM          FREQUENCY  RESP PCT  AVG RANK  Smith's S
-----
1      HAPPINESS      41         98     7.756     0.628
2         ANGER       32         76     1.000     0.762
3          SAD       32         76     1.938     0.723
4    DEPRESSION     20         48     6.750     0.292
5          JOY       16         38     5.375     0.316
6          HATE       15         36     6.000     0.277
7    CONFUSION     14         33     3.643     0.304
8    FRUSTRATION     13         31     5.000     0.259
9          LOVE       13         31     5.923     0.255
10     EXCITED       13         31     4.923     0.267

Press F10 or ESC to exit
```

3. Isolate words mentioned four or more times

DATA menu --> TRANSFORM --> DICHOTOMIZE

Input dataset: FLMAT (the matrix that was created when freelist data was imported)

Cutoff value: 1

Operator: GE (greater than or equal to)

Output dataset: EMODICH

Now the matrix is all 1's and 0's

```

DICHOTOMIZE MATRIX
-----
Input dataset:          C:\1\FREE\FLMAT
Rule:  y(i,j) = 1 if x(i,j) ≥ 1, and 0 otherwise.

Order in which each item (column) appears in each person's (row) freelist.

              1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2
              1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7
              ANJOSAENJEHODECOPEEXEUFNANLOHA INLURACO IMPRHAMAHOLANLA
-----
1  MEREDITH33WF  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2  MIRIAM32WF   1 0 1 0 1 0 0 0 0 0 1 1 0 1 1 0 0 0 1 0 0 1 0 0 0 0 0
3  ANNA28WF     1 0 1 0 0 0 0 0 1 1 1 0 1 0 0 0 0 0 0 0 0 1 1 0 1 0 0
4  SHOANA31WF  0 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0 0 1 0 0
5  HECTOR30HM  1 0 1 0 0 1 0 0 1 0 1 0 0 1 1 0 0 1 0 0 0 1 0 0 0 0 0
6  LIN42WF     1 1 1 1 1 0 0 1 1 1 0 0 0 1 1 0 1 0 1 0 0 1 0 0 1 0 0
7  AMY28WF     0 1 1 0 0 0 0 1 0 0 0 0 0 0 1 1 0 0 0 0 1 1 0 0 1 0 0
8  DAVID32WM   1 1 1 0 0 0 1 1 1 1 0 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 0
-----
Press F10 or ESC to exit

```

Tools → Univariate

Input dataset: EMODICH

Dimensions: columns

Output: UNISTATS

In OUTPUT.LOG, the row we care about is row 3, the sums of the columns

```

UNIVARIATE STATISTICS
-----
Dimension:          COLUMNS
Diagonal valid?    YES
Input dataset:      C:\1\FREE\EMODICH

Descriptive Statistics
-----
              1      2      3      4      5      6      7      8      9     10     1
              ANGER  JOY   SAD  ENVYJEALOU  HOPEDESPAICONFUSPEACEFEXCITEUPHO
-----
1  Mean      0.76  0.38  0.76  0.07  0.21  0.14  0.12  0.33  0.19  0.31  0.1
2  Std Dev   0.43  0.49  0.43  0.26  0.41  0.35  0.32  0.47  0.39  0.46  0.3
3  Sum       32.00 16.00 32.00  3.00  9.00  6.00  5.00 14.00  8.00 13.00  6.0
4  Variance  0.18  0.24  0.18  0.07  0.17  0.12  0.10  0.22  0.15  0.21  0.1
5  Euc Norm  5.66  4.00  5.66  1.73  3.00  2.45  2.24  3.74  2.83  3.61  2.4
6  Minimum   0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.0
7  Maximum   1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.0
8  N of Obs  42.00 42.00 42.00 42.00 42.00 42.00 42.00 42.00 42.00 42.00 42.0
-----
Statistics saved as dataset C:\1\FREE\UNISTATS
Press F10 or ESC to exit

```

DATA --> Modify --> Sort

Dataset: UNISTATS
Sort: columns
Order: Descending
Sort Key: UNISTATS ROW 3
Output: SORTED

DATA --> Modify --> Sort

Enter parameters

Dataset: EMODICH
Sort: columns
Order: Descending
Sort Key: UNISTATS ROW 3
Output: EMOSORT

(To display output dataset, within main Anthropac menu screen, hit CTRL+D)

DISPLAY

Width of field: 5
of decimals: MIN
Rows to display: ALL
Columns to display: ALL
Row partition:
Column partition:
Input dataset: C:\N1FREE\EMOSORT

Order in which each item (column) appears in each person's (row) freelist.

		1	2	3	4	5	6	7	8	9	10	1
		HAPPI	ANGER	SADDE	PRE	JOY	HATE	CONFU	FRUST	LOVE	EXCIT	ANXI
1	MEREDITH33WF	1	1	1	0	1	1	1	1	1	1	
2	MIRIAM32WF	1	1	1	1	0	1	0	1	1	0	
3	ANNA28WF	1	1	1	0	0	0	1	1	0	1	
4	SHOANA31WF	1	0	1	0	0	0	1	1	0	1	
5	HECTOR30HM	1	1	1	0	0	1	0	0	1	0	
6	LIN42WF	1	1	1	0	1	1	1	0	1	1	

Press F10 or ESC to exit

This gives us a matrix where words (columns) are sorted by frequency. Now we need to chop off the extra columns (words mentioned fewer than 4 times)

DATA → Modify → Extract

Dataset: EMOSORT
 Keep: KEEP
 Which rows: ALL
 Which columns: 1 to 55 (use commas to separate individual column numbers)
 Which matrix: ALL
 Output: EMOFL

Now, look for patterns

Similarity matrix: want all pairs of columns – a 55 x 55 matrix such that we see how many times each word appears in the same list as another word. For every pair of columns, a number for how “similar” they are – how many times those words appeared in the same list

TOOLS → SIMILARITIES

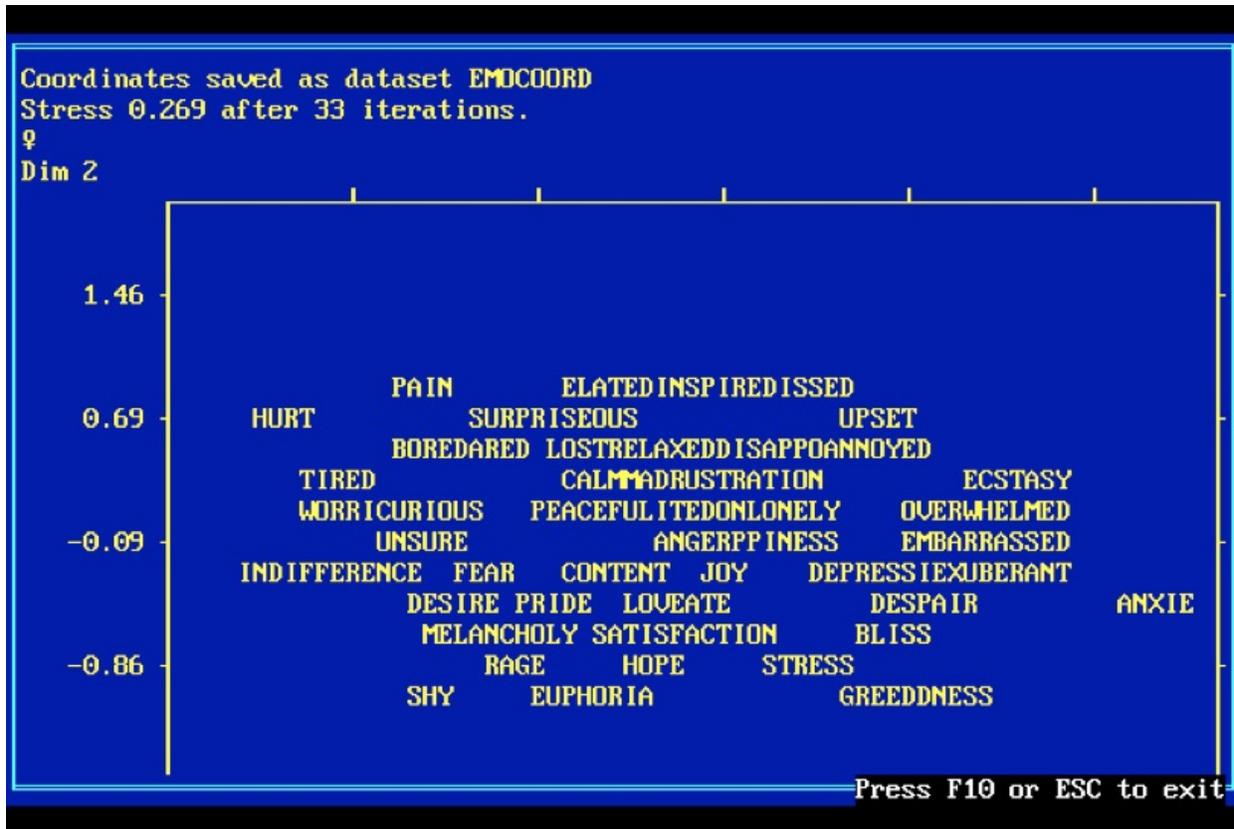
Dataset: EMOFL
 Measure: positive matches (this excludes matching 0's)
 Tolerance: 1.000
 Rows or Columns: Columns
 Diagonal valid: Y
 Output: EMOPOS

		1	2	3	4	5	6	7	8	9	10	11	12
		HAPP	ANGER	SAD	DEPRE	JOY	HATE	CONFU	FRUST	LOVE	EXCIT	ANXIO	LONEL
1	HAPPINESS	1.00	0.74	0.78	0.49	0.39	0.37	0.34	0.32	0.29	0.32	0.27	0.24
2	ANGER	0.74	1.00	0.56	0.44	0.37	0.42	0.31	0.36	0.41	0.29	0.23	0.23
3	SAD	0.78	0.56	1.00	0.41	0.26	0.24	0.39	0.36	0.18	0.36	0.34	0.30
4	DEPRESSION	0.49	0.44	0.41	1.00	0.29	0.30	0.13	0.22	0.22	0.06	0.24	0.19
5	JOY	0.39	0.37	0.26	0.29	1.00	0.41	0.25	0.16	0.32	0.26	0.35	0.13
6	HATE	0.37	0.42	0.24	0.30	0.41	1.00	0.21	0.12	0.47	0.22	0.08	0.30
7	CONFUSION	0.34	0.31	0.39	0.13	0.25	0.21	1.00	0.35	0.17	0.35	0.25	0.25
8	FRUSTRATION	0.32	0.36	0.36	0.22	0.16	0.12	0.35	1.00	0.18	0.30	0.26	0.09
9	LOVE	0.29	0.41	0.18	0.22	0.32	0.47	0.17	0.18	1.00	0.18	0.09	0.20
10	EXCITED	0.32	0.29	0.36	0.06	0.26	0.22	0.35	0.30	0.18	1.00	0.26	0.26
11	ANXIOUS	0.27	0.23	0.34	0.24	0.35	0.08	0.25	0.26	0.09	0.26	1.00	0.10

Multi-dimensional scaling: a way to look at the data visually

TOOLS → SCALING → Nonmetric MDS

Input: EMOPOS
Dimensions: 2
Similarities
Output: EMOCOORD



Output has typical “fried egg” pattern – core surrounded by widening “non-core”. File EMOCOORD is coordinates for points in the MDS chart – can import into Excel and graph