

dhcp-206-87-128-246:CorpusTools KCH\$ python3 functional_load_KCH.py
/Users/KCH/Desktop/CorpusTools_KCH_fork/CorpusTools/lemurian.corpus
Corpus successfully created!

The number of words in the corpus is:

40

The number of words in the corpus with [s] or [l] is:

13

The raw number of minimal pairs based on [s]/[l] in the corpus is:

2.0

And the minimal pairs are:

Pair 1 is: l.w.a.f.w.a.p.u / s.w.a.f.w.a.p.u

Pair 2 is: l.u.n.o.b.a / s.u.n.o.b.a

The number of minimal pairs based on [s]/[l], relative to the size of the corpus, is:

0.05

The number of minimal pairs based on [s]/[l], relative to the number of words containing [s] and [l] in the corpus, is:

0.15384615384615385

Here are all the pairs with [s], and their FLs relative to the corpus size:

	Pairs	Raw FL counts	FLs Rel to Corpus
0	[(s, a)]	0.0	0.000
1	[(s, b)]	0.0	0.000
2	[(s, d)]	0.0	0.000
3	[(s, e)]	0.0	0.000
4	[(s, f)]	0.0	0.000
5	[(s, i)]	0.0	0.000
6	[(s, j)]	0.0	0.000
7	[(s, k)]	0.0	0.000
8	[(s, l)]	2.0	0.050
9	[(s, m)]	0.0	0.000
10	[(s, n)]	1.0	0.025
11	[(s, o)]	0.0	0.000
12	[(s, p)]	0.0	0.000
13	[(s, r)]	2.0	0.050
14	[(s, t)]	1.0	0.025
15	[(s, u)]	0.0	0.000
16	[(s, w)]	0.0	0.000
17	[(s, x)]	0.0	0.000
18	[(s, y)]	0.0	0.000
19	[(s, z)]	0.0	0.000

Averaging the FLs relative to the corpus gives us:

0.0075

Using the built-in function to calculate the average functional load of [s], relative to the corpus, gives us:

0.0075

Now performing all pairwise comparisons, using functional load relative to the corpus.

Performing FL calculation 1 out of 210.0 possible

Duration of last calculation: 7.009506225585938e-05

Performing FL calculation 2 out of 210.0 possible

Duration of last calculation: 0.0027251243591308594

Performing FL calculation 3 out of 210.0 possible

Duration of last calculation: 0.003264904022216797

Performing FL calculation 4 out of 210.0 possible

Duration of last calculation: 0.0033309459686279297

Performing FL calculation 5 out of 210.0 possible

Duration of last calculation: 0.003125905990600586

Performing FL calculation 6 out of 210.0 possible

Duration of last calculation: 0.0036249160766601562

Performing FL calculation 7 out of 210.0 possible

Duration of last calculation: 0.0028769969940185547

Performing FL calculation 8 out of 210.0 possible

Duration of last calculation: 0.0027649402618408203

Performing FL calculation 9 out of 210.0 possible

Duration of last calculation: 0.0028650760650634766

Performing FL calculation 10 out of 210.0 possible

Duration of last calculation: 0.0029861927032470703

Performing FL calculation 11 out of 210.0 possible

Duration of last calculation: 0.002974987030029297

Performing FL calculation 12 out of 210.0 possible

Duration of last calculation: 0.003326892852783203

Performing FL calculation 13 out of 210.0 possible

Duration of last calculation: 0.0034170150756835938

Performing FL calculation 14 out of 210.0 possible

Duration of last calculation: 0.003240823745727539

Performing FL calculation 15 out of 210.0 possible

Duration of last calculation: 0.0028569698333740234

Performing FL calculation 16 out of 210.0 possible

Duration of last calculation: 0.0032498836517333984

Performing FL calculation 17 out of 210.0 possible

Duration of last calculation: 0.003119945526123047

Performing FL calculation 18 out of 210.0 possible

Duration of last calculation: 0.0029828548431396484

Performing FL calculation 19 out of 210.0 possible

Duration of last calculation: 0.0031151771545410156

Performing FL calculation 20 out of 210.0 possible
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Duration of last calculation: 0.003368854522705078
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 Performing FL calculation 210 out of 210.0 possible
 Duration of last calculation: 0.003515005111694336
 Here are the results (ordered by FL value). Please examine, for example, the pairs containing [s], to make sure they match the calculations above.

	0	1
0	(t, z)	0.075
1	(r, z)	0.075
2	(r, t)	0.075
3	(r, s)	0.050
4	(l, s)	0.050
5	(l, n)	0.050
6	(a, e)	0.050
7	(e, i)	0.025
8	(l, z)	0.025
9	(n, s)	0.025
10	(l, r)	0.025
11	(d, z)	0.025
12	(p, z)	0.025
13	(x, z)	0.025
14	(a, o)	0.025
15	(s, t)	0.025
16	(e, r)	0.000
17	(b, i)	0.000
18	(i, l)	0.000
19	(a, z)	0.000

20	(s, w)	0.000
21	(a, b)	0.000
22	(k, x)	0.000
23	(d, e)	0.000
24	(a, n)	0.000
25	(b, r)	0.000
26	(f, j)	0.000
27	(r, w)	0.000
28	(a, u)	0.000
29	(a, j)	0.000
30	(i, z)	0.000
31	(f, p)	0.000
32	(j, z)	0.000
33	(m, n)	0.000
34	(a, i)	0.000
35	(k, l)	0.000
36	(l, t)	0.000
37	(f, k)	0.000
38	(b, u)	0.000
39	(a, m)	0.000
40	(k, p)	0.000
41	(m, u)	0.000
42	(e, u)	0.000
43	(e, m)	0.000
44	(m, y)	0.000
45	(f, y)	0.000
46	(w, x)	0.000
47	(d, r)	0.000
48	(k, t)	0.000
49	(k, y)	0.000
50	(d, u)	0.000
51	(k, z)	0.000
52	(d, i)	0.000
53	(i, j)	0.000
54	(b, p)	0.000
55	(n, r)	0.000
56	(f, z)	0.000
57	(e, l)	0.000
58	(d, n)	0.000
59	(i, n)	0.000
60	(m, z)	0.000
61	(u, x)	0.000
62	(e, k)	0.000
63	(a, t)	0.000
64	(w, y)	0.000
65	(a, f)	0.000
66	(p, t)	0.000
67	(f, s)	0.000
68	(m, w)	0.000
69	(k, m)	0.000
70	(a, p)	0.000
71	(m, p)	0.000
72	(e, w)	0.000
73	(b, d)	0.000
74	(f, n)	0.000
75	(k, o)	0.000
76	(k, s)	0.000
77	(i, y)	0.000
78	(i, t)	0.000
79	(j, s)	0.000
80	(b, x)	0.000
81	(e, y)	0.000
82	(e, f)	0.000
83	(i, w)	0.000
84	(s, y)	0.000
85	(o, z)	0.000
86	(n, t)	0.000
87	(d, w)	0.000
88	(a, d)	0.000
89	(a, y)	0.000
90	(j, p)	0.000
91	(d, x)	0.000
92	(b, t)	0.000
93	(d, f)	0.000
94	(d, l)	0.000
95	(o, u)	0.000
96	(p, r)	0.000
97	(b, s)	0.000
98	(j, k)	0.000
99	(d, k)	0.000
100	(e, j)	0.000

101	(n, x)	0.000
102	(b, e)	0.000
103	(k, u)	0.000
104	(j, x)	0.000
105	(s, u)	0.000
106	(l, p)	0.000
107	(b, l)	0.000
108	(p, u)	0.000
109	(t, w)	0.000
110	(a, s)	0.000
111	(m, s)	0.000
112	(j, m)	0.000
113	(s, z)	0.000
114	(e, n)	0.000
115	(m, x)	0.000
116	(k, r)	0.000
117	(m, t)	0.000
118	(f, x)	0.000
119	(a, l)	0.000
120	(l, x)	0.000
121	(k, n)	0.000
122	(n, y)	0.000
123	(j, t)	0.000
124	(n, u)	0.000
125	(s, x)	0.000
126	(n, o)	0.000
127	(n, w)	0.000
128	(p, x)	0.000
129	(d, j)	0.000
130	(i, o)	0.000
131	(d, s)	0.000
132	(x, y)	0.000
133	(d, o)	0.000
134	(u, y)	0.000
135	(o, w)	0.000
136	(f, l)	0.000
137	(b, z)	0.000
138	(f, o)	0.000
139	(t, u)	0.000
140	(b, j)	0.000
141	(b, o)	0.000
142	(o, y)	0.000
143	(e, s)	0.000
144	(j, r)	0.000
145	(e, o)	0.000
146	(f, i)	0.000
147	(a, r)	0.000
148	(e, z)	0.000
149	(t, y)	0.000
150	(p, w)	0.000
151	(e, t)	0.000
152	(i, x)	0.000
153	(r, x)	0.000
154	(f, t)	0.000
155	(p, y)	0.000
156	(u, w)	0.000
157	(f, w)	0.000
158	(b, y)	0.000
159	(t, x)	0.000
160	(i, u)	0.000
161	(d, t)	0.000
162	(y, z)	0.000
163	(o, s)	0.000
164	(k, w)	0.000
165	(i, p)	0.000
166	(b, w)	0.000
167	(u, z)	0.000
168	(d, p)	0.000
169	(d, y)	0.000
170	(b, n)	0.000
171	(b, k)	0.000
172	(d, m)	0.000
173	(m, r)	0.000
174	(p, s)	0.000
175	(o, t)	0.000
176	(b, f)	0.000
177	(f, r)	0.000
178	(a, w)	0.000
179	(e, p)	0.000
180	(n, z)	0.000
181	(j, n)	0.000

182	(m, o)	0.000
183	(w, z)	0.000
184	(l, w)	0.000
185	(l, o)	0.000
186	(j, o)	0.000
187	(f, u)	0.000
188	(r, u)	0.000
189	(l, u)	0.000
190	(l, y)	0.000
191	(l, m)	0.000
192	(e, x)	0.000
193	(a, k)	0.000
194	(b, m)	0.000
195	(f, m)	0.000
196	(r, y)	0.000
197	(j, w)	0.000
198	(i, k)	0.000
199	(o, p)	0.000
200	(a, x)	0.000
201	(o, r)	0.000
202	(i, s)	0.000
203	(j, u)	0.000
204	(j, l)	0.000
205	(j, y)	0.000
206	(i, m)	0.000
207	(n, p)	0.000
208	(i, r)	0.000
209	(o, x)	0.000

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