Obs	YEAR_1	YEAR_2	MEAN_1	MEAN_2	SD_1	SD_2	COHEND
1	1946	1936	2122.3	1050.0	1002.3	1050.0	0.00146
2	1951	1936	2089.9	1050.0	1009.6	1050.0	0.03291
3	1963	1936	2250.0	1050.0	1078.6	1050.0	0.11856
4	1975	1936	2234.2	1050.0	1089.2	1050.0	0.10320
5	1997	1936	2249.6	1050.0	1094.8	1050.0	0.11728
6	2006	1936	3051.9	1050.0	1496.2	1050.0	0.71807
7	1951	1946	2089.9	1002.3	1009.6	1002.3	0.03221
8	1963	1946	2250.0	1002.3	1078.6	1002.3	0.12265
9	1975	1946	2234.2	1002.3	1089.2	1002.3	0.10691
10	1997	1946	2249.6	1002.3	1094.8	1002.3	0.12129
11	2006	1946	3051.9	1002.3	1496.2	1002.3	0.73000
12	1963	1951	2250.0	1009.6	1078.6	1009.6	0.15325
13	1975	1951	2234.2	1009.6	1089.2	1009.6	0.13741
14	1997	1951	2249.6	1009.6	1094.8	1009.6	0.15165
15	2006	1951	3051.9	1009.6	1496.2	1009.6	0.75374
16	1975	1963	2234.2	1078.6	1089.2	1078.6	0.01458
17	1997	1963	2249.6	1078.6	1094.8	1078.6	0.00037
18	2006	1963	3051.9	1078.6	1496.2	1078.6	0.61485
19	1997	1975	2249.6	1089.2	1094.8	1089.2	0.01410
20	2006	1975	3051.9	1089.2	1496.2	1089.2	0.62486
21	2006	1997	3051.9	1094.8	1496.2	1094.8	0.61200

Comment:

We create a data table with Year1, Year2, Mean1, Mean2, SD1, SD2 and CohenD. To achieve this we use two nested loops and set each value by indexing CalloriesPerRecipeMean, CaloriesPerRecipeSD and Year. Two do loop is used for Year1, Year2,Mean1, Mean2, SD1, SD2 and CohenD is calculated and returned. The datatable is printed as required.