Exercise 1

m_1						
2123.8	2122.3	2089.9	2250	2234.2	2249.6	3051.9
2123.8	2122.3	2089.9	2250	2234.2	2249.6	3051.9
2123.8	2122.3	2089.9	2250	2234.2	2249.6	3051.9
2123.8	2122.3	2089.9	2250	2234.2	2249.6	3051.9
2123.8	2122.3	2089.9	2250	2234.2	2249.6	3051.9
2123.8	2122.3	2089.9	2250	2234.2	2249.6	3051.9
2123.8	2122.3	2089.9	2250	2234.2	2249.6	3051.9

m_2						
2123.8	2123.8	2123.8	2123.8	2123.8	2123.8	2123.8
2122.3	2122.3	2122.3	2122.3	2122.3	2122.3	2122.3
2089.9	2089.9	2089.9	2089.9	2089.9	2089.9	2089.9
2250	2250	2250	2250	2250	2250	2250
2234.2	2234.2	2234.2	2234.2	2234.2	2234.2	2234.2
2249.6	2249.6	2249.6	2249.6	2249.6	2249.6	2249.6
3051.9	3051.9	3051.9	3051.9	3051.9	3051.9	3051.9

s_1						
1050	1002.3	1009.6	1078.6	1089.2	1094.8	1496.2
1050	1002.3	1009.6	1078.6	1089.2	1094.8	1496.2
1050	1002.3	1009.6	1078.6	1089.2	1094.8	1496.2
1050	1002.3	1009.6	1078.6	1089.2	1094.8	1496.2
1050	1002.3	1009.6	1078.6	1089.2	1094.8	1496.2
1050	1002.3	1009.6	1078.6	1089.2	1094.8	1496.2
1050	1002.3	1009.6	1078.6	1089.2	1094.8	1496.2

s_2						
1050	1050	1050	1050	1050	1050	1050
1002.3	1002.3	1002.3	1002.3	1002.3	1002.3	1002.3
1009.6	1009.6	1009.6	1009.6	1009.6	1009.6	1009.6
1078.6	1078.6	1078.6	1078.6	1078.6	1078.6	1078.6
1089.2	1089.2	1089.2	1089.2	1089.2	1089.2	1089.2
1094.8	1094.8	1094.8	1094.8	1094.8	1094.8	1094.8
1496.2	1496.2	1496.2	1496.2	1496.2	1496.2	1496.2

d_mat						
0	0.0014614	0.0329127	0.1185649	0.1031988	0.1172814	0.7180656
0.0014614	0	0.0322081	0.1226529	0.1069123	0.1212878	0.7300001
0.0329127	0.0322081	0	0.1532542	0.1374084	0.151653	0.7537386
0.1185649	0.1226529	0.1532542	0	0.0145768	0.0003681	0.6148491
0.1031988	0.1069123	0.1374084	0.0145768	0	0.0141025	0.6248569
0.1172814	0.1212878	0.151653	0.0003681	0.0141025	0	0.611997
0.7180656	0.7300001	0.7537386	0.6148491	0.6248569	0.611997	0

max_value
0.7537386

d_12
0.7180656

local_unit_test_points
4

4

Comment:

We created the matrix m_1 and and its transpose m_2, similarly matrix s_1 and its transpose s_2 with mean and standard deviation of CaloriesPerRecipe. A function to calculate Cohen's d is created with these four matrices as parameters. We also find maximum of d.mat and is printed. Finally, d.12 is assigned to d.mat with appropriate indexes and is printed.
The unit test score get a value of 4 as it passes the codes in the testing.