

附錄二-1

Moran's I 值計算--北部區域各鄉鎮編號及半導體製造業廠商家數

n	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	xi	X平均	Xn-X	(Xn-X) <sup>2</sup>				
1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x1	13	8.78	4.22	17.793			
2	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x2	10	8.78	1.22	1.484		
3	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x3	9	8.78	0.22	0.0476		
4	1	0	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x4	8	8.78	-0.8	0.6112			
5	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x5	5	8.78	-3.8	14.302			
6	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x6	2	8.78	-6.8	45.993			
7	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x7	1	8.78	-7.8	60.557			
8	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x8	2	8.78	-6.8	45.993			
9	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x9	4	8.78	-4.8	22.866			
10	1	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x10	17	8.78	8.22	67.538			
11	0	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x11	3	8.78	-5.8	33.429		
12	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x12	2	8.78	-6.8	45.993		
13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x13	1	8.78	-7.8	60.557		
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x14	1	8.78	-7.8	60.557	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x15	1	8.78	-7.8	60.557		
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x16	76	8.78	67.2	4518.3	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x17	4	8.78	-4.8	22.866	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x18	7	8.78	-1.8	3.1749
19	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x19	14	8.78	5.22	27.229
20	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x20	15	8.78	6.22	38.666	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x21	17	8.78	8.22	67.538
22	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x22	6	8.78	-2.8	7.7385
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x23	22	8.78	13.2	174.72
24	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x24	25	8.78	16.2	263.03
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x25	10	8.78	1.22	1.484
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x26	3	8.78	-5.8	33.429
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x27	2	8.78	-6.8	45.993
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x28	1	8.78	-7.8	60.557
29	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x29	12	8.78	3.22	10.357
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x30	1	8.78	-7.8	60.557
31	0	0																																																													

	4.22	1.22	0.22	-0.8	-3.8	-6.8	-7.8	-6.8	-4.8	8.22	-5.8	-6.8	-7.8	-7.8	-7.8	67.2	-4.8	-1.8	5.22	6.22	8.22	-2.8	13.2	16.2	1.22	-5.8	-6.8	-7.8	3.22	-7.8	4.22	-6.8	-1.8	-1.8	-7.8	-1.8	1.22	-7.8	-0.8	-1.8	-4.8	-1.8	-3.8	-1.8	-7.8	-7.8	10.2	8.22	-6.8	-7.8	13.2	-6.8	-6.8	-7.8	26.2
4.22	17.8	5.14	0.92	-3.3	-16	-29	-33	-29	-20	34.7	-24	-29	-33	-33	-33	284	-20	-7.5	22	26.2	34.7	-12	55.8	68.4	5.14	-24	-29	-33	13.6	-33	17.8	-29	-7.5	-7.5	-33	-7.5	5.14	-33	-3.3	-7.5	-20	-7.5	-16	-7.5	-33	-33	43.1	34.7	-29	-33	55.8	-29	-29	-33	111
1.22	5.14	1.48	0.27	-1	-4.6	-8.3	-9.5	-8.3	-5.8	10	-7	-8.3	-9.5	-9.5	-9.5	81.9	-5.8	-2.2	6.36	7.57	10	-3.4	16.1	19.8	1.48	-7	-8.3	-9.5	3.92	-9.5	5.14	-8.3	-2.2	-2.2	-9.5	-2.2	1.48	-9.5	-1	-2.2	-5.8	-2.2	-4.6	-2.2	-9.5	-9.5	12.4	10	-8.3	-9.5	16.1	-8.3	-8.3	-9.5	31.9
0.22	0.92	0.27	0.05	-0.2	-0.8	-1.5	-1.7	-1.5	-1	1.79	-1.3	-1.5	-1.7	-1.7	-1.7	14.7	-1	-0.4	1.14	1.36	1.79	-0.6	2.88	3.54	0.27	-1.3	-1.5	-1.7	0.7	-1.7	0.92	-1.5	-0.4	-0.4	-1.7	-0.4	0.27	-1.7	-0.2	-0.4	-1	-0.4	-0.8	-0.4	-1.7	-1.7	2.23	1.79	-1.5	-1.7	2.88	-1.5	-1.5	-1.7	5.72
-0.8	-3.3	-1	-0.2	0.61	2.96	5.3	6.08	5.3	3.74	-6.4	4.52	5.3	6.08	6.08	6.08	-53	3.74	1.39	-4.1	-4.9	-6.4	2.17	-10	-13	-1	4.52	5.3	6.08	-2.5	6.08	-3.3	5.3	1.39	1.39	6.08	1.39	-1	6.08	0.61	1.39	3.74	1.39	2.96	1.39	6.08	6.08	-8	-6.4	5.3	6.08	-10	5.3	5.3	6.08	-20
-3.8	-16	-4.6	-0.8	2.96	14.3	25.6	29.4	25.6	18.1	-31	21.9	25.6	29.4	29.4	29.4	-254	18.1	6.74	-20	-24	-31	10.5	-50	-61	-4.6	21.9	25.6	29.4	-12	29.4	-16	25.6	6.74	6.74	29.4	6.74	-4.6	29.4	2.96	6.74	18.1	6.74	14.3	6.74	29.4	29.4	-39	-31	25.6	29.4	-50	25.6	25.6	29.4	-99
-6.8	-29	-8.3	-1.5	5.3	25.6	46	52.8	46	32.4	-56	39.2	46	52.8	52.8	52.8	-456	32.4	12.1	-35	-42	-56	18.9	-90	-110	-8.3	39.2	46	52.8	-22	52.8	-29	46	12.1	12.1	52.8	12.1	-8.3	52.8	5.3	12.1	32.4	12.1	25.6	12.1	52.8	52.8	-69	-56	46	52.8	-90	46	46	52.8	-178
-7.8	-33	-9.5	-1.7	6.08	29.4	52.8	60.6	52.8	37.2	-64	45	52.8	60.6	60.6	60.6	-523	37.2	13.9	-41	-48	-64	21.6	-103	-126	-9.5	45	52.8	60.6	-25	60.6	-33	52.8	13.9	13.9	60.6	13.9	-9.5	60.6	6.08	13.9	37.2	13.9	29.4	13.9	60.6	60.6	-80	-64	52.8	60.6	-103	52.8	52.8	60.6	-204
-6.8	-29	-8.3	-1.5	5.3	25.6	46	52.8	46	32.4	-56	39.2	46	52.8	52.8	52.8	-456	32.4	12.1	-35	-42	-56	18.9	-90	-110	-8.3	39.2	46	52.8	-22	52.8	-29	46	12.1	12.1	52.8	12.1	-8.3	52.8	5.3	12.1	32.4	12.1	25.6	12.1	52.8	52.8	-69	-56	46	52.8	-90	46	46	52.8	-178
-4.8	-20	-5.8	-1	3.74	18.1	32.4	37.2	32.4	22.9	-39	27.6	32.4	37.2	37.2	37.2	-321	22.9	8.52	-25	-30	-39	13.3	-63	-78	-5.8	27.6	32.4	37.2	-15	37.2	-20	32.4	8.52	8.52	37.2	8.52	-5.8	37.2	3.74	8.52	22.9	8.52	18.1	8.52	37.2	37.2	-49	-39	32.4	37.2	-63	32.4	32.4	37.2	-125
8.22	34.7	10	1.79	-6.4	-31	-56	-64	-56	-39	67.5	-48	-56	-64	-64	-64	552	-39	-15	42.9	51.1	67.5	-23	109	133	10	-48	-56	-64	26.4	-64	34.7	-56	-15	-15	-64	-15	10	-64	-6.4	-6.4	-15	-39	-15	-31	-15	-64	-64	84	67.5	-56	-64	109	-56	-64	215
-5.8	-24	-7	-1.3	4.52	21.9	39.2	45	39.2	27.6	-64	33.4	39.2	45	45	45	-389	27.6	10.3	-30	-36	-48	16.1	-76	-94	-7	33.4	39.2	45	-19	45	-24	39.2	10.3	10.3	45	10.3	-7	45	4.52	10.3	27.6	10.3	21.9	10.3	45	45	-59	-48	39.2	45	-76	39.2	39.2	45	-152
-6.8	-29	-8.3	-1.5	5.3	25.6	46	52.8	46	32.4	-56	39.2	46	52.8	52.8	52.8	-456	32.4	12.1	-35	-42	-56	18.9	-90	-110	-8.3	39.2	46	52.8	-22	52.8	-29	46	12.1	12.1	52.8	12.1	-8.3	52.8	5.3	12.1	32.4	12.1	25.6	12.1	52.8	52.8	-69	-56	46	52.8	-90	46	46	52.8	-178
-7.8	-33	-9.5	-1.7	6.08	29.4	52.8	60.6	52.8	37.2	-64	45	52.8	60.6	60.6	60.6	-523	37.2	13.9	-41	-48	-64	21.6	-103	-126	-9.5	45	52.8	60.6	-25	60.6	-33	52.8	13.9	13.9	60.6	13.9	-9.5	60.6	6.08	13.9	37.2	13.9	29.4	13.9	60.6	60.6	-80	-64	52.8	60.6	-103	52.8	52.8	60.6	-204
-7.8	-33	-9.5	-1.7	6.08	29.4	52.8	60.6	52.8	37.2	-64	45	52.8	60.6	60.6	60.6	-523	37.2	13.9	-41	-48	-64	21.6	-103	-126	-9.5	45	52.8	60.6	-25	60.6	-33	52.8	13.9	13.9	60.6	13.9	-9.5	60.6	6.08	13.9	37.2	13.9	29.4	13.9	60.6	60.6	-80	-64	52.8	60.6	-103	52.8	52.8	60.6	-204
-7.8	-33	-9.5	-1.7	6.08	29.4	52.8	60.6	52.8	37.2	-64	45	52.8	60.6	60.6	60.6	-523	37.2	13.9	-41	-48	-64	21.6	-103	-126	-9.5	45	52.8	60.6	-25	60.6	-33	52.8	13.9	13.9	60.6	13.9	-9.5	60.6	6.08	13.9	37.2	13.9	29.4	13.9	60.6	60.6	-80	-64	52.8	60.6	-103	52.8	52.8	60.6	-204
67.2	284	81.9	14.7	-5.3	-254	-456	-523	-456	-321	552	-389	-456	-523	-523	-523	4518	-321	-120	351	418	552	-187	889	1090	81.9	-389	-456	-523	216	-60.6	-33	-456	-120	-523	-120	81.9	-523	-53	-120	-254	-120	-254	-120	-523	-523	687	552	-456	-523	889	-456	-456	1762		
-4.8	-20	-5.8	-1	3.74	18.1	32.4	37.2	32.4	22.9	-39	27.6	32.4	37.2	37.2	37.2	-321	22.9	8.52	-25	-30	-39	13.3	-63	-78	-5.8	27.6	32.4	37.2	-15	37.2	-20	32.4	8.52	8.52	37.2	8.52	-5.8	37.2	3.74	8.52	22.9	8.52	18.1	8.52	37.2	37.2	-49	-39	32.4	37.2	-63	32.4	32.4	37.2	-125
-1.8	-7.5	-2.2	-0.4	1.39	6.74	12.1	13.9	12.1	8.52	-15	10.3	12.1	13.9	13.9	13.9	-120	8.52	3.17	-9.3	-11	-15	4.96	-24	-29	-2.2	10.3	12.1	13.9	-5.7	13.9	-7.5	12.1	3.17	3.17	13.9	3.17	-2.2	13.9	1.39	3.17	8.52	3.17	6.74	3.17	13.9	13.9	-18	-15	12.1	13.9	-24	12.1	12.1	13.9	-47
5.22	22	6.36	1.14	-4.1	-20	-35	-41	-35	-25	42.9	-30	-35	-41	-41	-41	351	-25	-9.3	27.2	32.4	42.9	-15	69	84.6	6.36	-30	-35	-41	16.8	-41	22	-35	-9.3	-9.3	-41	-9.3	6.36	-41	-4.1	-9.3	-25	-9.3	-20	-9.3	-41	-41	53.3	42.9	-35	-41	69	-35	-35	-41	137
6.22	26.2	7.57	1.36	-4.9	-24	-42	-48	-42	-30	51.1	-36	-42	-48	-48	-48	418	-30	-11	32.4	38.7	51.1	-17	82.2	101	7.57	-36	-42	-48	20	-48	26.2	-42	-11	-11	-48	-11	7.57	-48	-4.9	-11	-30	-11	-24	-11	-48	-48	63.5	51.1	-42	-48	82.2	-42	-42	-48	163
8.22	34.7	10	1.79	-6.4	-31	-56	-64	-56	-39	67.5	-48	-56	-64	-64	-64	552	-39	-15	42.9	51.1	67.5	-23	109	133	10	-48	-56	-64	26.4	-64	34.7	-56	-15	-15	-64	-15	10	-64	-6.4	-6.4	-15	-39	-15	-31	-15	-64	-64	84	67.5	-56	-64	109	-56	-64	215
-2.8	-12	-3.4	-0.6	2.17	10.5	18.9	21.6	18.9	13.3	-23	16.1	18.9	21.6	21.6	21.6	-187	13.3	4.96	-15	-17	-23	7.74	-37	-45	-3.4	16.1	18.9	21.6	-9	21.6	-12	18.9	4.96	4.96	21.6	4.96	-3.4	21.6	2.17	4.96	13.3	4.96	10.5	4.96	21.6	21.6	-28	-23	18.9	21.6	-37	18.9	18.9	21.6	-73
13.2	55.8	16.1	2.88	-10	-50	-90	-103	-90	-63	109	-76	-90	-103	-103	-103	889	-63	-24	69	82.2	109	-37	175	214	16.1	-76	-90	-103	42.5	-103	55.8	-90	-24	-24	-103	-24	16.1	-103	-10	-24	-63	-24	-50	-24	-103	-103	135	109	-90	-103	175	-90	-90	-103	347
16.2	68.4	19.8	3.54	-13	-61	-110	-126	-110	-78	133	-94	-110	-126	-126	-126	1090	-78	-29	84.6	101	133	-45	214	263	19.8	-94	-110	-126	52.2	-126	68.4	-110	-29	-29	-126	-29	19.8	-126	-13	-29	-78	-29	-61	-29	-126	-126	166	133	-110	-126	214	-110	-110	-126	425
1.22	5.14	1.48	0.27	-1	-4.6	-8.3	-9.5	-8.3	-5.8	10	-7	-8.3	-9.5	-9.5	-9.5	81.9	-5.8	-2.2	6.36	7.57	10	-3.4	16.1	19.8	1.48	-7	-8.3	-9.5	3.92	-9.5	5.14	-8.3	-2.2	-2.2	-9.5	-2.2	1.48	-9.5	-1	-2.2	-5.8	-2.2	-4.6	-2.2	-9.5	-9.5	12.4	10	-8.3	-9.5	16.1	-8.3	-8.3	-9.5	31.9
-5.8	-24	-7	-1.3	4.52	21.9	39.2	45	39.2	27.6	-64	33.4	39.2	45	45	45	-389	27.6	10.3	-30	-36	-48	16.1	-76	-94	-7	33.4	39.2	45	-19	45	-24	39.2	10.3	10.3	45	10.3	-7	45	4.52	10.3	27.6	10.3	21.9	10.3	45	45	-59	-48	39.2	45	-76	39.2	3		