

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=CR02

Frequency Col Pct	Table of ord by Year											
	ord	Year										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
	1	6 27.27	8 27.59	8 30.77	15 57.69	6 19.35	7 24.14	9 30.00	19 100.00	15 88.24	10 76.92	103
	2	3 13.64	6 20.69	9 34.62	6 23.08	6 19.35	4 13.79	7 23.33	0 0.00	0 0.00	0 0.00	41
	3	12 54.55	13 44.83	5 19.23	5 19.23	10 32.26	11 37.93	11 36.67	0 0.00	2 11.76	3 23.08	72
	4	0 0.00	2 6.90	3 11.54	0 0.00	5 16.13	7 24.14	3 10.00	0 0.00	0 0.00	0 0.00	20
	5	0 0.00	0 0.00	1 3.85	0 0.00	1 3.23	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2
	6	1 4.55	0 0.00	0 0.00	0 0.00	3 9.68	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	4
	Total	22	29	26	26	31	29	30	19	17	13	242

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	14.5170	0.0001
2	Row Mean Scores Differ	5	27.3729	<.0001
3	General Association	45	113.7338	<.0001

Total Sample Size = 242

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=CR04a

Frequency
Col Pct

Table of ord by Year											
ord	Year										Total
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1	3 12.00	3 7.14	2 5.71	4 13.79	2 6.90	5 18.52	5 17.86	4 14.81	4 14.29	2 28.57	34
2	2 8.00	11 26.19	10 28.57	5 17.24	4 13.79	4 14.81	5 17.86	3 11.11	7 25.00	1 14.29	52
3	8 32.00	6 14.29	15 42.86	9 31.03	12 41.38	13 48.15	12 42.86	17 62.96	11 39.29	4 57.14	107
4	6 24.00	13 30.95	8 22.86	6 20.69	3 10.34	4 14.81	5 17.86	3 11.11	2 7.14	0 0.00	50
5	2 8.00	9 21.43	0 0.00	2 6.90	2 6.90	1 3.70	1 3.57	0 0.00	3 10.71	0 0.00	20
6	1 4.00	0 0.00	0 0.00	3 10.34	4 13.79	0 0.00	0 0.00	0 0.00	1 3.57	0 0.00	9
7	3 12.00	0 0.00	0 0.00	0 0.00	2 6.90	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	5
Total	25	42	35	29	29	27	28	27	28	7	277

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	10.9254	0.0009
2	Row Mean Scores Differ	6	23.7019	0.0006
3	General Association	54	95.9832	0.0004

Total Sample Size = 277

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=CR05

Frequency Col Pct	Table of ord by Year											
	ord	Year										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
	1	1 5.56	0 0.00	0 0.00	0 0.00	0 0.00	1 4.17	1 5.56	5 20.83	2 8.33	0 0.00	10
	2	3 16.67	9 30.00	1 5.56	4 16.67	3 12.50	14 58.33	12 66.67	6 25.00	2 8.33	2 33.33	56
	3	8 44.44	7 23.33	13 72.22	15 62.50	16 66.67	9 37.50	4 22.22	13 54.17	20 83.33	4 66.67	109
	4	2 11.11	8 26.67	4 22.22	5 20.83	4 16.67	0 0.00	1 5.56	0 0.00	0 0.00	0 0.00	24
	5	0 0.00	1 3.33	0 0.00	0 0.00	1 4.17	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2
	6	2 11.11	4 13.33	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	6
	7	2 11.11	1 3.33	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	3
	Total	18	30	18	24	24	24	18	24	24	6	210

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	30.4310	<.0001
2	Row Mean Scores Differ	6	39.3220	<.0001
3	General Association	54	125.2320	<.0001

Total Sample Size = 210

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=EB01

Frequency
Col Pct

Table of ord by Year											
ord	Year										Total
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1	2 20.00	2 18.18	2 14.29	4 36.36	2 15.38	3 23.08	3 17.65	3 21.43	3 9.68	7 20.59	31
2	2 20.00	4 36.36	5 35.71	1 9.09	4 30.77	4 30.77	4 23.53	3 21.43	16 51.61	15 44.12	58
3	0 0.00	1 9.09	5 35.71	2 18.18	5 38.46	4 30.77	4 23.53	4 28.57	6 19.35	11 32.35	42
4	4 40.00	2 18.18	2 14.29	1 9.09	2 15.38	0 0.00	4 23.53	0 0.00	6 19.35	1 2.94	22
5	2 20.00	2 18.18	0 0.00	0 0.00	0 0.00	2 15.38	2 11.76	2 14.29	0 0.00	0 0.00	10
6	0 0.00	0 0.00	0 0.00	1 9.09	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1
7	0 0.00	0 0.00	0 0.00	2 18.18	0 0.00	0 0.00	0 0.00	2 14.29	0 0.00	0 0.00	4
Total	10	11	14	11	13	13	17	14	31	34	168

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	3.9742	0.0462
2	Row Mean Scores Differ	6	12.0151	0.0616
3	General Association	54	86.4122	0.0033

Total Sample Size = 168

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=EB02

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	0 0.00	1 5.26	3 15.00	2 10.53	0 0.00	4 21.05	6 30.00	5 26.32	1 5.26	5 20.83	27
2	0 0.00	3 15.79	1 5.00	3 15.79	2 12.50	7 36.84	2 10.00	0 0.00	6 31.58	9 37.50	33
3	7 38.89	6 31.58	4 20.00	8 42.11	9 56.25	3 15.79	2 10.00	1 5.26	7 36.84	3 12.50	50
4	5 27.78	6 31.58	9 45.00	5 26.32	4 25.00	4 21.05	6 30.00	8 42.11	4 21.05	6 25.00	57
5	1 5.56	2 10.53	3 15.00	1 5.26	1 6.25	0 0.00	2 10.00	0 0.00	1 5.26	1 4.17	12
6	2 11.11	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2 10.00	3 15.79	0 0.00	0 0.00	7
7	3 16.67	1 5.26	0 0.00	0 0.00	0 0.00	1 5.26	0 0.00	2 10.53	0 0.00	0 0.00	7
Total	18	19	20	19	16	19	20	19	19	24	193

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	10.3713	0.0013
2	Row Mean Scores Differ	6	19.5087	0.0034
3	General Association	54	95.9883	0.0004

Total Sample Size = 193

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=EB03

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	0 0.00	0 0.00	0 0.00	1 2.94	0 0.00	0 0.00	2 5.13	2 5.00	2 4.76	0 0.00	7
2	1 2.86	1 2.78	1 2.94	1 2.94	1 2.86	8 22.86	9 23.08	6 15.00	3 7.14	1 2.63	32
3	0 0.00	12 33.33	7 20.59	17 50.00	11 31.43	17 48.57	8 20.51	7 17.50	5 11.90	4 10.53	88
4	14 40.00	17 47.22	15 44.12	10 29.41	20 57.14	8 22.86	8 20.51	7 17.50	5 11.90	12 31.58	116
5	12 34.29	6 16.67	1 2.94	3 8.82	3 8.57	2 5.71	8 20.51	2 5.00	7 16.67	14 36.84	58
6	6 17.14	0 0.00	6 17.65	0 0.00	0 0.00	0 0.00	2 5.13	2 5.00	10 23.81	7 18.42	33
7	2 5.71	0 0.00	4 11.76	2 5.88	0 0.00	0 0.00	2 5.13	14 35.00	10 23.81	0 0.00	34
Total	35	36	34	34	35	35	39	40	42	38	368

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	2.9801	0.0843
2	Row Mean Scores Differ	6	27.5978	0.0001
3	General Association	54	212.2790	<.0001

Total Sample Size = 368

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=EB04

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	1 5.00	2 8.33	3 13.04	1 4.55	1 4.35	0 0.00	3 13.04	3 14.29	3 13.64	4 17.39	21
2	5 25.00	5 20.83	4 17.39	5 22.73	1 4.35	6 28.57	4 17.39	9 42.86	6 27.27	1 4.35	46
3	1 5.00	7 29.17	5 21.74	9 40.91	12 52.17	12 57.14	5 21.74	1 4.76	9 40.91	7 30.43	68
4	11 55.00	9 37.50	10 43.48	7 31.82	7 30.43	3 14.29	5 21.74	5 23.81	4 18.18	5 21.74	66
5	2 10.00	1 4.17	1 4.35	0 0.00	1 4.35	0 0.00	6 26.09	3 14.29	0 0.00	6 26.09	20
6	0 0.00	0 0.00	0 0.00	0 0.00	1 4.35	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1
Total	20	24	23	22	23	21	23	21	22	23	222

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.8949	0.3441
2	Row Mean Scores Differ	5	14.6285	0.0121
3	General Association	45	80.7086	0.0009

Total Sample Size = 222

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=EB05

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	0 0.00	0 0.00	1 5.56	1 5.88	1 5.88	2 14.29	1 5.88	0 0.00	2 11.76	2 12.50	10
2	4 23.53	3 16.67	11 61.11	3 17.65	2 11.76	5 35.71	2 11.76	3 18.75	11 64.71	8 50.00	52
3	0 0.00	6 33.33	6 33.33	5 29.41	6 35.29	3 21.43	7 41.18	5 31.25	2 11.76	4 25.00	44
4	5 29.41	9 50.00	0 0.00	8 47.06	8 47.06	4 28.57	6 35.29	3 18.75	1 5.88	1 6.25	45
5	6 35.29	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 5.88	4 25.00	1 5.88	1 6.25	13
6	2 11.76	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 6.25	0 0.00	0 0.00	3
Total	17	18	18	17	17	14	17	16	17	16	167

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	9.5323	0.0020
2	Row Mean Scores Differ	5	10.9681	0.0520
3	General Association	45	98.3117	<.0001

Total Sample Size = 167

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=GAS01

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	1 20.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1
2	1 20.00	1 16.67	1 20.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 14.29	0 0.00	4
3	0 0.00	3 50.00	0 0.00	0 0.00	1 16.67	1 16.67	0 0.00	1 16.67	0 0.00	2 28.57	8
4	1 20.00	0 0.00	0 0.00	0 0.00	2 33.33	1 16.67	3 42.86	0 0.00	3 42.86	1 14.29	11
5	0 0.00	0 0.00	1 20.00	2 40.00	0 0.00	0 0.00	0 0.00	2 33.33	1 14.29	0 0.00	6
6	0 0.00	1 16.67	2 40.00	1 20.00	0 0.00	3 50.00	2 28.57	0 0.00	0 0.00	0 0.00	9
7	2 40.00	1 16.67	1 20.00	2 40.00	3 50.00	1 16.67	2 28.57	3 50.00	2 28.57	4 57.14	21
Total	5	6	5	5	6	6	7	6	7	7	60

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.4429	0.2297
2	Row Mean Scores Differ	6	7.6386	0.2658
3	General Association	54	65.4067	0.1375

Total Sample Size = 60

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=GAS02

Frequency
Col Pct

Table of ord by Year											
ord	Year										Total
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1	1 7.69	1 8.33	1 7.69	1 9.09	1 9.09	1 9.09	1 9.09	0 0.00	1 7.69	1 8.33	9
2	3 23.08	2 16.67	3 23.08	1 9.09	1 9.09	1 9.09	1 9.09	2 20.00	3 23.08	1 8.33	18
3	3 23.08	0 0.00	1 7.69	0 0.00	1 9.09	0 0.00	1 9.09	0 0.00	0 0.00	2 16.67	8
4	2 15.38	9 75.00	4 30.77	2 18.18	2 18.18	1 9.09	0 0.00	0 0.00	5 38.46	4 33.33	29
5	2 15.38	0 0.00	4 30.77	0 0.00	0 0.00	2 18.18	4 36.36	2 20.00	0 0.00	2 16.67	16
6	2 15.38	0 0.00	0 0.00	3 27.27	4 36.36	0 0.00	2 18.18	4 40.00	4 30.77	2 16.67	21
7	0 0.00	0 0.00	0 0.00	4 36.36	2 18.18	6 54.55	2 18.18	2 20.00	0 0.00	0 0.00	16
Total	13	12	13	11	11	11	11	10	13	12	117

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	2.2042	0.1376
2	Row Mean Scores Differ	6	4.7285	0.5791
3	General Association	54	88.7142	0.0020

Total Sample Size = 117

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=GAS03

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	3 25.00	1 9.09	1 10.00	5
2	0 0.00	0 0.00	0 0.00	0 0.00	1 8.33	0 0.00	0 0.00	1 8.33	0 0.00	1 10.00	3
3	1 11.11	1 10.00	3 27.27	2 20.00	2 16.67	2 20.00	1 10.00	6 50.00	2 18.18	2 20.00	22
4	1 11.11	1 10.00	0 0.00	0 0.00	0 0.00	1 10.00	1 10.00	0 0.00	4 36.36	0 0.00	8
5	0 0.00	1 10.00	1 9.09	1 10.00	0 0.00	0 0.00	1 10.00	0 0.00	0 0.00	0 0.00	4
6	1 11.11	0 0.00	2 18.18	2 20.00	2 16.67	1 10.00	0 0.00	0 0.00	1 9.09	0 0.00	9
7	6 66.67	7 70.00	5 45.45	5 50.00	7 58.33	6 60.00	7 70.00	2 16.67	3 27.27	6 60.00	54
Total	9	10	11	10	12	10	10	12	11	10	105

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	8.4792	0.0036
2	Row Mean Scores Differ	6	12.9343	0.0441
3	General Association	54	63.6047	0.1742

Total Sample Size = 105

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=GAS04

Frequency
Col Pct

Table of ord by Year											
ord	Year										Total
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 10.00	1 12.50	1 11.11	3
2	0 0.00	2 20.00	4 36.36	0 0.00	0 0.00	0 0.00	0 0.00	2 20.00	1 12.50	0 0.00	9
3	1 10.00	0 0.00	0 0.00	2 22.22	2 20.00	2 25.00	1 12.50	1 10.00	1 12.50	3 33.33	13
4	0 0.00	4 40.00	0 0.00	0 0.00	6 60.00	3 37.50	1 12.50	0 0.00	3 37.50	2 22.22	19
5	1 10.00	2 20.00	3 27.27	0 0.00	0 0.00	1 12.50	1 12.50	2 20.00	0 0.00	1 11.11	11
6	4 40.00	0 0.00	4 36.36	3 33.33	2 20.00	0 0.00	0 0.00	2 20.00	2 25.00	0 0.00	17
7	4 40.00	2 20.00	0 0.00	4 44.44	0 0.00	2 25.00	5 62.50	2 20.00	0 0.00	2 22.22	21
Total	10	10	11	9	10	8	8	10	8	9	93

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	3.4037	0.0651
2	Row Mean Scores Differ	6	11.0457	0.0870
3	General Association	54	83.7374	0.0059

Total Sample Size = 93

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=GAS05

Frequency Col Pct	Table of ord by Year											
	ord	Year										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
	1	1 9.09	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1
	2	1 9.09	2 14.29	2 15.38	0 0.00	1 6.67	0 0.00	0 0.00	0 0.00	2 16.67	0 0.00	8
	3	1 9.09	0 0.00	0 0.00	2 14.29	3 20.00	1 6.67	0 0.00	1 7.14	0 0.00	2 18.18	10
	4	3 27.27	5 35.71	0 0.00	2 14.29	0 0.00	6 40.00	1 6.67	0 0.00	4 33.33	2 18.18	23
	5	0 0.00	1 7.14	4 30.77	3 21.43	3 20.00	1 6.67	3 20.00	0 0.00	0 0.00	1 9.09	16
	6	4 36.36	3 21.43	4 30.77	0 0.00	0 0.00	0 0.00	0 0.00	2 14.29	1 8.33	4 36.36	18
	7	1 9.09	3 21.43	3 23.08	7 50.00	8 53.33	7 46.67	11 73.33	11 78.57	5 41.67	2 18.18	58
	Total	11	14	13	14	15	15	15	14	12	11	134

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	4.4609	0.0347
2	Row Mean Scores Differ	6	9.6927	0.1382
3	General Association	54	95.5834	0.0004

Total Sample Size = 134

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=ICW01

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	1 20.00	1 20.00	2 33.33	0 0.00	2 22.22	1 16.67	2 33.33	5 83.33	2 40.00	2 33.33	18
2	2 40.00	2 40.00	1 16.67	3 50.00	1 11.11	1 16.67	0 0.00	1 16.67	3 60.00	1 16.67	15
3	1 20.00	1 20.00	1 16.67	1 16.67	2 22.22	2 33.33	3 50.00	0 0.00	0 0.00	3 50.00	14
4	0 0.00	0 0.00	1 16.67	1 16.67	2 22.22	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	5
5	1 20.00	1 20.00	0 0.00	0 0.00	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	3
6	0 0.00	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	2
7	0 0.00	0 0.00	0 0.00	1 16.67	2 22.22	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	3
Total	5	5	6	6	9	6	6	6	5	6	60

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	3.0965	0.0785
2	Row Mean Scores Differ	6	6.2581	0.3949
3	General Association	54	54.0386	0.4729

Total Sample Size = 60

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=ICW02

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
2	3 30.00	3 25.00	1 10.00	0 0.00	4 36.36	2 18.18	0 0.00	1 10.00	1 10.00	2 16.67	17
3	0 0.00	2 16.67	5 50.00	2 22.22	0 0.00	2 18.18	3 25.00	0 0.00	0 0.00	0 0.00	14
4	0 0.00	0 0.00	0 0.00	5 55.56	3 27.27	0 0.00	0 0.00	3 30.00	2 20.00	5 41.67	18
5	3 30.00	3 25.00	0 0.00	0 0.00	1 9.09	3 27.27	2 16.67	1 10.00	3 30.00	3 25.00	19
6	3 30.00	1 8.33	1 10.00	0 0.00	0 0.00	2 18.18	3 25.00	0 0.00	1 10.00	0 0.00	11
7	1 10.00	3 25.00	3 30.00	2 22.22	3 27.27	2 18.18	4 33.33	5 50.00	3 30.00	2 16.67	28
Total	10	12	10	9	11	11	12	10	10	12	107

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.2032	0.2727
2	Row Mean Scores Differ	5	10.7364	0.0569
3	General Association	45	73.9205	0.0042

Total Sample Size = 107

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=ICW03

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	2 15.38	1 10.00	2 15.38	2 14.29	3 25.00	4 33.33	2 12.50	2 13.33	0 0.00	2 18.18	20
2	2 15.38	3 30.00	2 15.38	1 7.14	3 25.00	2 16.67	6 37.50	1 6.67	2 20.00	3 27.27	25
3	2 15.38	3 30.00	4 30.77	3 21.43	2 16.67	2 16.67	4 25.00	7 46.67	4 40.00	2 18.18	33
4	6 46.15	1 10.00	5 38.46	0 0.00	2 16.67	0 0.00	2 12.50	5 33.33	2 20.00	0 0.00	23
5	1 7.69	2 20.00	0 0.00	6 42.86	2 16.67	4 33.33	2 12.50	0 0.00	2 20.00	0 0.00	19
6	0 0.00	0 0.00	0 0.00	2 14.29	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2
7	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	4 36.36	4
Total	13	10	13	14	12	12	16	15	10	11	126

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.2412	0.6234
2	Row Mean Scores Differ	6	14.8974	0.0211
3	General Association	54	107.6563	<.0001

Total Sample Size = 126

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=ICW04

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
2	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 16.67	3 42.86	1 16.67	0 0.00	5
3	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2 25.00	0 0.00	0 0.00	4 66.67	0 0.00	6
4	1 20.00	0 0.00	2 40.00	1 14.29	0 0.00	0 0.00	2 33.33	0 0.00	0 0.00	2 25.00	8
5	1 20.00	1 14.29	1 20.00	0 0.00	0 0.00	0 0.00	1 16.67	2 28.57	1 16.67	4 50.00	11
6	0 0.00	5 71.43	0 0.00	2 28.57	1 14.29	4 50.00	2 33.33	0 0.00	0 0.00	2 25.00	16
7	3 60.00	1 14.29	2 40.00	4 57.14	6 85.71	2 25.00	0 0.00	2 28.57	0 0.00	0 0.00	20
Total	5	7	5	7	7	8	6	7	6	8	66

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	12.5115	0.0004
2	Row Mean Scores Differ	5	15.7788	0.0075
3	General Association	45	96.3049	<.0001

Total Sample Size = 66

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=ICW05

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	1 10.00	1 10.00	1 10.00	1 7.69	1 9.09	1 8.33	1 9.09	1 8.33	1 11.11	1 6.67	10
2	1 10.00	1 10.00	1 10.00	0 0.00	0 0.00	1 8.33	1 9.09	1 8.33	3 33.33	2 13.33	11
3	0 0.00	0 0.00	0 0.00	0 0.00	1 9.09	0 0.00	0 0.00	1 8.33	0 0.00	1 6.67	3
4	0 0.00	1 10.00	0 0.00	4 30.77	2 18.18	1 8.33	1 9.09	0 0.00	0 0.00	0 0.00	9
5	4 40.00	3 30.00	0 0.00	2 15.38	1 9.09	0 0.00	0 0.00	0 0.00	2 22.22	0 0.00	12
6	2 20.00	1 10.00	2 20.00	3 23.08	0 0.00	5 41.67	5 45.45	6 50.00	0 0.00	3 20.00	27
7	2 20.00	3 30.00	6 60.00	3 23.08	6 54.55	4 33.33	3 27.27	3 25.00	3 33.33	8 53.33	41
Total	10	10	10	13	11	12	11	12	9	15	113

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.0052	0.9424
2	Row Mean Scores Differ	6	12.6282	0.0493
3	General Association	54	66.2776	0.1220

Total Sample Size = 113

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MC01

Frequency
Col Pct

Table of ord by Year											
ord	Year										Total
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1	4 57.14	2 28.57	4 50.00	2 25.00	3 42.86	1 14.29	2 25.00	3 42.86	1 11.11	1 11.11	23
2	1 14.29	3 42.86	1 12.50	3 37.50	1 14.29	3 42.86	2 25.00	1 14.29	4 44.44	3 33.33	22
3	1 14.29	1 14.29	1 12.50	1 12.50	0 0.00	0 0.00	1 12.50	3 42.86	1 11.11	0 0.00	9
4	1 14.29	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2 25.00	0 0.00	1 11.11	1 11.11	5
5	0 0.00	0 0.00	2 25.00	0 0.00	0 0.00	3 42.86	1 12.50	0 0.00	2 22.22	0 0.00	8
6	0 0.00	1 14.29	0 0.00	2 25.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2 22.22	5
7	0 0.00	0 0.00	0 0.00	0 0.00	3 42.86	0 0.00	0 0.00	0 0.00	0 0.00	2 22.22	5
Total	7	7	8	8	7	7	8	7	9	9	77

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	3.0850	0.0790
2	Row Mean Scores Differ	6	5.4357	0.4893
3	General Association	54	74.7857	0.0320

Total Sample Size = 77

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MC02

Frequency
Col Pct

Table of ord by Year											
ord	Year										Total
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1	0 0.00	1 10.00	1 9.09	0 0.00	1 10.00	1 10.00	1 10.00	0 0.00	0 0.00	3 33.33	8
2	2 22.22	2 20.00	2 18.18	2 18.18	2 20.00	2 20.00	2 20.00	2 20.00	3 27.27	2 22.22	21
3	0 0.00	0 0.00	2 18.18	3 27.27	0 0.00	0 0.00	1 10.00	1 10.00	1 9.09	0 0.00	8
4	0 0.00	1 10.00	0 0.00	0 0.00	1 10.00	1 10.00	1 10.00	2 20.00	0 0.00	2 22.22	8
5	1 11.11	1 10.00	0 0.00	2 18.18	0 0.00	0 0.00	0 0.00	1 10.00	2 18.18	1 11.11	8
6	2 22.22	3 30.00	3 27.27	2 18.18	2 20.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	12
7	4 44.44	2 20.00	3 27.27	2 18.18	4 40.00	6 60.00	5 50.00	4 40.00	5 45.45	1 11.11	36
Total	9	10	11	11	10	10	10	10	11	9	101

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.4198	0.2334
2	Row Mean Scores Differ	6	13.7981	0.0320
3	General Association	54	54.2585	0.4645

Total Sample Size = 101

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MC03

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	0 0.00	3 15.79	2 11.11	2 11.11	1 5.56	0 0.00	0 0.00	0 0.00	2 11.11	4 23.53	14
2	1 4.55	2 10.53	2 11.11	3 16.67	0 0.00	1 5.56	2 11.11	4 22.22	7 38.89	3 17.65	25
3	0 0.00	1 5.26	3 16.67	1 5.56	2 11.11	0 0.00	1 5.56	0 0.00	3 16.67	4 23.53	15
4	1 4.55	3 15.79	4 22.22	1 5.56	1 5.56	2 11.11	5 27.78	3 16.67	2 11.11	1 5.88	23
5	0 0.00	1 5.26	0 0.00	0 0.00	2 11.11	2 11.11	2 11.11	4 22.22	2 11.11	1 5.88	14
6	8 36.36	5 26.32	4 22.22	4 22.22	1 5.56	3 16.67	1 5.56	1 5.56	0 0.00	3 17.65	30
7	12 54.55	4 21.05	3 16.67	7 38.89	11 61.11	10 55.56	7 38.89	6 33.33	2 11.11	1 5.88	63
Total	22	19	18	18	18	18	18	18	18	17	184

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	13.3452	0.0003
2	Row Mean Scores Differ	6	24.8848	0.0004
3	General Association	54	93.5720	0.0007

Total Sample Size = 184

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MC04

Frequency
Col Pct

Table of ord by Year											
ord	Year										Total
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1	1 14.29	2 28.57	2 33.33	2 33.33	2 33.33	1 20.00	2 28.57	2 28.57	1 14.29	2 28.57	17
2	2 28.57	0 0.00	1 16.67	0 0.00	1 16.67	1 20.00	1 14.29	1 14.29	2 28.57	0 0.00	9
3	0 0.00	1 14.29	1 16.67	1 16.67	0 0.00	0 0.00	2 28.57	0 0.00	0 0.00	1 14.29	6
4	0 0.00	2 28.57	0 0.00	0 0.00	1 16.67	1 20.00	0 0.00	2 28.57	0 0.00	2 28.57	8
5	2 28.57	1 14.29	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	4
6	1 14.29	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	1 14.29	2 28.57	2 28.57	0 0.00	7
7	1 14.29	1 14.29	1 16.67	2 33.33	2 33.33	2 40.00	1 14.29	0 0.00	2 28.57	2 28.57	14
Total	7	7	6	6	6	5	7	7	7	7	65

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.0412	0.8391
2	Row Mean Scores Differ	6	7.0029	0.3206
3	General Association	54	43.6386	0.8423

Total Sample Size = 65

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MC05

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	1 5.88	2 10.00	3 16.67	3 15.79	2 12.50	4 22.22	3 16.67	4 20.00	2 10.00	1 5.26	25
2	4 23.53	4 20.00	7 38.89	6 31.58	4 25.00	2 11.11	3 16.67	4 20.00	4 20.00	2 10.53	40
3	3 17.65	4 20.00	2 11.11	3 15.79	2 12.50	2 11.11	1 5.56	8 40.00	5 25.00	0 0.00	30
4	1 5.88	2 10.00	2 11.11	2 10.53	0 0.00	4 22.22	2 11.11	2 10.00	2 10.00	4 21.05	21
5	2 11.76	6 30.00	1 5.56	1 5.26	4 25.00	1 5.56	3 16.67	0 0.00	3 15.00	4 21.05	25
6	3 17.65	0 0.00	3 16.67	1 5.26	1 6.25	1 5.56	4 22.22	0 0.00	2 10.00	6 31.58	21
7	3 17.65	2 10.00	0 0.00	3 15.79	3 18.75	4 22.22	2 11.11	2 10.00	2 10.00	2 10.53	23
Total	17	20	18	19	16	18	18	20	20	19	185

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.7231	0.3951
2	Row Mean Scores Differ	6	4.5217	0.6065
3	General Association	54	61.2995	0.2307

Total Sample Size = 185

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MC06

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	0 0.00	1 6.25	1 6.25	2 11.11	1 5.88	2 10.53	3 18.75	2 11.76	1 6.67	1 6.25	14
2	2 15.38	1 6.25	2 12.50	3 16.67	2 11.76	2 10.53	1 6.25	7 41.18	2 13.33	3 18.75	25
3	0 0.00	2 12.50	5 31.25	0 0.00	0 0.00	2 10.53	4 25.00	0 0.00	4 26.67	2 12.50	19
4	1 7.69	4 25.00	3 18.75	3 16.67	0 0.00	1 5.26	4 25.00	2 11.76	2 13.33	2 12.50	22
5	5 38.46	3 18.75	5 31.25	2 11.11	3 17.65	0 0.00	2 12.50	2 11.76	0 0.00	2 12.50	24
6	3 23.08	5 31.25	0 0.00	6 33.33	3 17.65	5 26.32	2 12.50	4 23.53	2 13.33	2 12.50	32
7	2 15.38	0 0.00	0 0.00	2 11.11	8 47.06	7 36.84	0 0.00	0 0.00	4 26.67	4 25.00	27
Total	13	16	16	18	17	19	16	17	15	16	163

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.0403	0.3078
2	Row Mean Scores Differ	6	11.0940	0.0855
3	General Association	54	87.0381	0.0029

Total Sample Size = 163

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MC07

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	1 10.00	1 11.11	1 12.50	2 18.18	2 20.00	1 8.33	2 18.18	1 8.33	1 9.09	1 9.09	13
2	5 50.00	3 33.33	2 25.00	1 9.09	2 20.00	2 16.67	2 18.18	0 0.00	1 9.09	3 27.27	21
3	0 0.00	1 11.11	1 12.50	2 18.18	1 10.00	2 16.67	1 9.09	5 41.67	3 27.27	2 18.18	18
4	0 0.00	0 0.00	2 25.00	0 0.00	1 10.00	2 16.67	4 36.36	2 16.67	1 9.09	4 36.36	16
5	0 0.00	1 11.11	1 12.50	1 9.09	1 10.00	2 16.67	2 18.18	4 33.33	2 18.18	1 9.09	15
6	1 10.00	2 22.22	1 12.50	2 18.18	1 10.00	3 25.00	0 0.00	0 0.00	2 18.18	0 0.00	12
7	3 30.00	1 11.11	0 0.00	3 27.27	2 20.00	0 0.00	0 0.00	0 0.00	1 9.09	0 0.00	10
Total	10	9	8	11	10	12	11	12	11	11	105

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.4283	0.5128
2	Row Mean Scores Differ	6	19.7185	0.0031
3	General Association	54	57.5729	0.3444

Total Sample Size = 105

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MC08

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	2 28.57	3 42.86	3 42.86	2 28.57	2 28.57	1 14.29	2 33.33	2 28.57	3 42.86	3 42.86	23
2	2 28.57	1 14.29	2 28.57	2 28.57	2 28.57	5 71.43	1 16.67	3 42.86	2 28.57	2 28.57	22
3	1 14.29	0 0.00	2 28.57	2 28.57	2 28.57	1 14.29	2 33.33	0 0.00	1 14.29	0 0.00	11
4	1 14.29	3 42.86	0 0.00	1 14.29	1 14.29	0 0.00	0 0.00	1 14.29	1 14.29	2 28.57	10
5	1 14.29	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1
6	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 16.67	1 14.29	0 0.00	0 0.00	2
Total	7	7	7	7	7	7	6	7	7	7	69

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.0889	0.7655
2	Row Mean Scores Differ	5	4.0421	0.5434
3	General Association	45	38.0150	0.7602

Total Sample Size = 69

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MP01

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
2	1 9.09	0 0.00	1 8.33	1 10.00	2 15.38	1 7.69	0 0.00	1 8.33	1 8.33	1 8.33	9
3	1 9.09	2 16.67	2 16.67	0 0.00	0 0.00	2 15.38	1 8.33	2 16.67	1 8.33	2 16.67	13
4	0 0.00	0 0.00	0 0.00	0 0.00	3 23.08	1 7.69	7 58.33	2 16.67	1 8.33	0 0.00	14
5	2 18.18	2 16.67	6 50.00	3 30.00	0 0.00	2 15.38	3 25.00	3 25.00	3 25.00	4 33.33	28
6	7 63.64	1 8.33	3 25.00	3 30.00	6 46.15	3 23.08	1 8.33	4 33.33	2 16.67	4 33.33	34
7	0 0.00	7 58.33	0 0.00	3 30.00	2 15.38	4 30.77	0 0.00	0 0.00	4 33.33	1 8.33	21
Total	11	12	12	10	13	13	12	12	12	12	119

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.7247	0.1891
2	Row Mean Scores Differ	5	4.1173	0.5326
3	General Association	45	80.1292	0.0010

Total Sample Size = 119

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MP02

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 16.67	2 33.33	3
2	1 16.67	2 33.33	2 33.33	3 50.00	0 0.00	1 16.67	1 16.67	2 33.33	2 33.33	2 33.33	16
3	1 16.67	1 16.67	0 0.00	1 16.67	2 33.33	2 33.33	1 16.67	3 50.00	1 16.67	1 16.67	13
4	1 16.67	1 16.67	3 50.00	2 33.33	3 50.00	2 33.33	4 66.67	1 16.67	2 33.33	1 16.67	20
5	2 33.33	2 33.33	1 16.67	0 0.00	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	6
6	1 16.67	0 0.00	0 0.00	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2
Total	6	6	6	6	6	6	6	6	6	6	60

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	8.2429	0.0041
2	Row Mean Scores Differ	5	14.6857	0.0118
3	General Association	45	45.2585	0.4612

Total Sample Size = 60

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MP03

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	0 0.00	0 0.00	1 8.33	0 0.00	1 12.50	1 10.00	0 0.00	0 0.00	2 16.67	2 20.00	7
2	3 27.27	2 15.38	0 0.00	2 25.00	0 0.00	1 10.00	1 8.33	2 18.18	4 33.33	1 10.00	16
3	0 0.00	2 15.38	4 33.33	3 37.50	0 0.00	0 0.00	0 0.00	2 18.18	1 8.33	1 10.00	13
4	2 18.18	2 15.38	5 41.67	1 12.50	2 25.00	5 50.00	4 33.33	1 9.09	5 41.67	1 10.00	28
5	1 9.09	3 23.08	2 16.67	1 12.50	2 25.00	2 20.00	2 16.67	2 18.18	0 0.00	3 30.00	18
6	5 45.45	2 15.38	0 0.00	1 12.50	3 37.50	1 10.00	5 41.67	4 36.36	0 0.00	2 20.00	23
7	0 0.00	2 15.38	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2
Total	11	13	12	8	8	10	12	11	12	10	107

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.9715	0.1603
2	Row Mean Scores Differ	6	6.6132	0.3581
3	General Association	54	71.1804	0.0585

Total Sample Size = 107

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MP04

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	0 0.00	1 4.17	3 11.11	1 3.85	3 12.00	3 12.50	4 16.67	3 13.04	3 12.50	4 14.81	25
2	2 11.11	1 4.17	1 3.70	0 0.00	0 0.00	1 4.17	1 4.17	0 0.00	2 8.33	0 0.00	8
3	7 38.89	7 29.17	5 18.52	13 50.00	2 8.00	5 20.83	8 33.33	10 43.48	4 16.67	7 25.93	68
4	2 11.11	9 37.50	9 33.33	5 19.23	10 40.00	8 33.33	5 20.83	7 30.43	7 29.17	7 25.93	69
5	2 11.11	0 0.00	2 7.41	2 7.69	5 20.00	4 16.67	0 0.00	3 13.04	2 8.33	1 3.70	21
6	2 11.11	4 16.67	3 11.11	4 15.38	1 4.00	2 8.33	3 12.50	0 0.00	6 25.00	5 18.52	30
7	3 16.67	2 8.33	4 14.81	1 3.85	4 16.00	1 4.17	3 12.50	0 0.00	0 0.00	3 11.11	21
Total	18	24	27	26	25	24	24	23	24	27	242

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.6069	0.2049
2	Row Mean Scores Differ	6	6.7543	0.3442
3	General Association	54	63.2844	0.1814

Total Sample Size = 242

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MP05

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	0 0.00	0 0.00	3 4.76	2 3.33	3 4.76	4 6.56	4 8.51	4 5.88	4 6.67	6 8.96	30
2	1 2.00	4 6.35	7 11.11	2 3.33	1 1.59	0 0.00	3 6.38	7 10.29	0 0.00	4 5.97	29
3	7 14.00	10 15.87	14 22.22	13 21.67	3 4.76	22 36.07	13 27.66	27 39.71	12 20.00	16 23.88	137
4	7 14.00	22 34.92	22 34.92	17 28.33	28 44.44	13 21.31	15 31.91	23 33.82	25 41.67	15 22.39	187
5	7 14.00	10 15.87	7 11.11	9 15.00	5 7.94	16 26.23	8 17.02	3 4.41	15 25.00	9 13.43	89
6	18 36.00	10 15.87	6 9.52	11 18.33	16 25.40	6 9.84	3 6.38	4 5.88	4 6.67	11 16.42	89
7	10 20.00	7 11.11	4 6.35	6 10.00	7 11.11	0 0.00	1 2.13	0 0.00	0 0.00	6 8.96	41
Total	50	63	63	60	63	61	47	68	60	67	602

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	28.8737	<.0001
2	Row Mean Scores Differ	6	36.3297	<.0001
3	General Association	54	150.0598	<.0001

Total Sample Size = 602

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MYR01

Frequency Col Pct	Table of ord by Year											
	ord	Year										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	2 33.33	3 50.00	3 60.00	2 40.00	2 33.33	2 33.33	2 33.33	3 60.00	1 20.00	1 20.00	21	
2	3 50.00	3 50.00	2 40.00	3 60.00	4 66.67	1 16.67	4 66.67	2 40.00	3 60.00	3 60.00	28	
3	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	3 50.00	0 0.00	0 0.00	1 20.00	1 20.00	6	
Total	6	6	5	5	6	6	6	5	5	5	55	

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.1438	0.2849
2	Row Mean Scores Differ	2	1.1714	0.5567
3	General Association	18	17.5500	0.4856

Total Sample Size = 55

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MYR02

Frequency Col Pct	Table of ord by Year											
	ord	Year										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
	1	0 0.00	1 16.67	1 16.67	1 16.67	0 0.00	1 16.67	1 16.67	2 33.33	1 16.67	2 33.33	10
	2	4 80.00	3 50.00	4 66.67	2 33.33	4 66.67	3 50.00	3 50.00	2 33.33	5 83.33	3 50.00	33
	3	1 20.00	2 33.33	0 0.00	1 16.67	2 33.33	2 33.33	2 33.33	2 33.33	0 0.00	1 16.67	13
	4	0 0.00	0 0.00	1 16.67	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2
	6	0 0.00	0 0.00	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1
	Total	5	6	6	6	6	6	6	6	6	6	59

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	2.0329	0.1539
2	Row Mean Scores Differ	4	2.9824	0.5608
3	General Association	36	27.3280	0.8503

Total Sample Size = 59

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MYR03

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	1 16.67	2 28.57	1 16.67	1 14.29	0 0.00	1 14.29	0 0.00	1 14.29	1 14.29	1 14.29	9
2	3 50.00	3 42.86	2 33.33	2 28.57	2 28.57	2 28.57	2 28.57	4 57.14	3 42.86	4 57.14	27
3	2 33.33	2 28.57	1 16.67	3 42.86	3 42.86	2 28.57	3 42.86	1 14.29	3 42.86	2 28.57	22
4	0 0.00	0 0.00	2 33.33	1 14.29	2 28.57	2 28.57	2 28.57	1 14.29	0 0.00	0 0.00	10
Total	6	7	6	7	7	7	7	7	7	7	68

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.0098	0.9212
2	Row Mean Scores Differ	3	0.6552	0.8837
3	General Association	27	15.5490	0.9610

Total Sample Size = 68

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MYR04

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	0 0.00	3 42.86	3 42.86	2 28.57	2 28.57	0 0.00	3 42.86	2 28.57	3 42.86	3 42.86	21
2	2 28.57	2 28.57	1 14.29	1 14.29	1 14.29	2 28.57	1 14.29	3 42.86	2 28.57	1 14.29	16
3	2 28.57	2 28.57	1 14.29	1 14.29	0 0.00	1 14.29	1 14.29	2 28.57	1 14.29	1 14.29	12
4	1 14.29	0 0.00	1 14.29	0 0.00	1 14.29	1 14.29	1 14.29	0 0.00	1 14.29	2 28.57	8
5	1 14.29	0 0.00	1 14.29	1 14.29	2 28.57	1 14.29	1 14.29	0 0.00	0 0.00	0 0.00	7
6	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2 28.57	0 0.00	0 0.00	0 0.00	0 0.00	2
7	1 14.29	0 0.00	0 0.00	2 28.57	1 14.29	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	4
Total	7	7	7	7	7	7	7	7	7	7	70

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	2.0659	0.1506
2	Row Mean Scores Differ	6	4.6722	0.5865
3	General Association	54	50.5179	0.6095

Total Sample Size = 70

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=MYR05

Frequency
Col Pct

Table of ord by Year											
ord	Year										Total
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1	1 20.00	0 0.00	0 0.00	0 0.00	0 0.00	1 20.00	0 0.00	1 20.00	1 20.00	1 20.00	5
2	1 20.00	2 40.00	2 40.00	0 0.00	0 0.00	1 20.00	0 0.00	2 40.00	2 40.00	4 80.00	14
3	2 40.00	1 20.00	0 0.00	2 40.00	1 20.00	2 40.00	3 60.00	2 40.00	2 40.00	0 0.00	15
4	1 20.00	1 20.00	1 20.00	2 40.00	3 60.00	1 20.00	2 40.00	0 0.00	0 0.00	0 0.00	11
5	0 0.00	0 0.00	2 40.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2
6	0 0.00	1 20.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1
7	0 0.00	0 0.00	0 0.00	1 20.00	1 20.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2
Total	5	5	5	5	5	5	5	5	5	5	50

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	5.6776	0.0172
2	Row Mean Scores Differ	6	7.2903	0.2948
3	General Association	54	62.7624	0.1936

Total Sample Size = 50

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PI01

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	0 0.00	1 16.67	1 16.67	1 16.67	1 16.67	1 16.67	1 14.29	1 16.67	1 16.67	1 16.67	9
2	1 20.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2 28.57	0 0.00	0 0.00	0 0.00	3
3	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 16.67	0 0.00	3 50.00	4
4	0 0.00	2 33.33	1 16.67	2 33.33	1 16.67	3 50.00	0 0.00	0 0.00	1 16.67	0 0.00	10
5	0 0.00	2 33.33	0 0.00	0 0.00	0 0.00	0 0.00	1 14.29	3 50.00	0 0.00	1 16.67	7
6	0 0.00	1 16.67	2 33.33	3 50.00	1 16.67	1 16.67	0 0.00	0 0.00	0 0.00	1 16.67	9
7	4 80.00	0 0.00	2 33.33	0 0.00	3 50.00	1 16.67	3 42.86	1 16.67	4 66.67	0 0.00	18
Total	5	6	6	6	6	6	7	6	6	6	60

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.1449	0.2846
2	Row Mean Scores Differ	6	10.8196	0.0941
3	General Association	54	81.1819	0.0098

Total Sample Size = 60

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PI02

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	1 14.29	1 14.29	1 14.29	1 14.29	0 0.00	1 14.29	1 14.29	0 0.00	0 0.00	0 0.00	6
2	0 0.00	1 14.29	1 14.29	1 14.29	2 28.57	2 28.57	0 0.00	1 14.29	1 14.29	0 0.00	9
3	2 28.57	1 14.29	0 0.00	0 0.00	0 0.00	0 0.00	1 14.29	1 14.29	1 14.29	2 28.57	8
4	4 57.14	4 57.14	1 14.29	2 28.57	1 14.29	3 42.86	3 42.86	0 0.00	1 14.29	1 14.29	20
5	0 0.00	0 0.00	2 28.57	2 28.57	0 0.00	0 0.00	0 0.00	2 28.57	2 28.57	2 28.57	10
6	0 0.00	0 0.00	2 28.57	0 0.00	3 42.86	0 0.00	2 28.57	2 28.57	2 28.57	2 28.57	13
7	0 0.00	0 0.00	0 0.00	1 14.29	1 14.29	1 14.29	0 0.00	1 14.29	0 0.00	0 0.00	4
Total	7	7	7	7	7	7	7	7	7	7	70

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	3.9060	0.0481
2	Row Mean Scores Differ	6	10.5650	0.1028
3	General Association	54	50.0271	0.6283

Total Sample Size = 70

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PI03

Frequency Col Pct	Table of ord by Year											
	ord	Year										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
	1	2 18.18	2 16.67	2 20.00	2 20.00	2 18.18	2 20.00	2 16.67	2 18.18	2 16.67	2 20.00	20
	2	0 0.00	1 8.33	2 20.00	1 10.00	0 0.00	2 20.00	2 16.67	0 0.00	0 0.00	0 0.00	8
	3	2 18.18	2 16.67	1 10.00	1 10.00	1 9.09	1 10.00	4 33.33	1 9.09	6 50.00	3 30.00	22
	4	3 27.27	0 0.00	3 30.00	1 10.00	4 36.36	2 20.00	2 16.67	1 9.09	3 25.00	2 20.00	21
	5	0 0.00	5 41.67	0 0.00	1 10.00	0 0.00	3 30.00	0 0.00	3 27.27	1 8.33	3 30.00	16
	6	4 36.36	2 16.67	2 20.00	4 40.00	0 0.00	0 0.00	2 16.67	4 36.36	0 0.00	0 0.00	18
	7	0 0.00	0 0.00	0 0.00	0 0.00	4 36.36	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	4
	Total	11	12	10	10	11	10	12	11	12	10	109

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.0710	0.3007
2	Row Mean Scores Differ	6	7.4090	0.2847
3	General Association	54	93.8680	0.0006

Total Sample Size = 109

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PI04

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
2	2 18.18	0 0.00	0 0.00	1 10.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	3
3	0 0.00	3 27.27	1 10.00	1 10.00	1 9.09	1 10.00	1 10.00	2 18.18	1 9.09	1 9.09	12
4	1 9.09	1 9.09	3 30.00	1 10.00	2 18.18	1 10.00	3 30.00	1 9.09	3 27.27	1 9.09	17
5	5 45.45	3 27.27	0 0.00	1 10.00	3 27.27	2 20.00	3 30.00	0 0.00	0 0.00	0 0.00	17
6	3 27.27	2 18.18	6 60.00	2 20.00	0 0.00	3 30.00	3 30.00	0 0.00	4 36.36	2 18.18	25
7	0 0.00	2 18.18	0 0.00	4 40.00	5 45.45	3 30.00	0 0.00	8 72.73	3 27.27	7 63.64	32
Total	11	11	10	10	11	10	10	11	11	11	106

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	6.4572	0.0111
2	Row Mean Scores Differ	5	19.7048	0.0014
3	General Association	45	72.3501	0.0060

Total Sample Size = 106

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PI06

Frequency Col Pct	Table of ord by Year											
	ord	Year										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
	1	1 12.50	2 50.00	2 50.00	2 40.00	1 25.00	2 50.00	2 40.00	1 25.00	2 33.33	2 40.00	17
	2	0 0.00	1 25.00	0 0.00	1 20.00	1 25.00	1 25.00	0 0.00	1 25.00	0 0.00	0 0.00	5
	3	4 50.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2 33.33	1 20.00	7
	4	3 37.50	0 0.00	1 25.00	2 40.00	2 50.00	0 0.00	1 20.00	0 0.00	2 33.33	2 40.00	13
	5	0 0.00	1 25.00	1 25.00	0 0.00	0 0.00	1 25.00	2 40.00	2 50.00	0 0.00	0 0.00	7
	Total	8	4	4	5	4	4	5	4	6	5	49

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.0024	0.9611
2	Row Mean Scores Differ	4	0.8531	0.9312
3	General Association	36	37.4339	0.4031

Total Sample Size = 49

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PI07

Frequency Col Pct	Table of ord by Year											
	ord	Year										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
	1	0 0.00	0 0.00	0 0.00	0 0.00	1 10.00	1 11.11	0 0.00	0 0.00	1 11.11	1 10.00	4
	2	4 40.00	3 33.33	2 15.38	2 16.67	0 0.00	2 22.22	5 71.43	3 50.00	3 33.33	3 30.00	27
	3	0 0.00	1 11.11	4 30.77	3 25.00	1 10.00	2 22.22	2 28.57	1 16.67	3 33.33	2 20.00	19
	4	6 60.00	4 44.44	7 53.85	5 41.67	4 40.00	0 0.00	0 0.00	2 33.33	0 0.00	4 40.00	32
	5	0 0.00	1 11.11	0 0.00	2 16.67	2 20.00	4 44.44	0 0.00	0 0.00	2 22.22	0 0.00	11
	6	0 0.00	0 0.00	0 0.00	0 0.00	2 20.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2
	Total	10	9	13	12	10	9	7	6	9	10	95

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	3.0666	0.0799
2	Row Mean Scores Differ	5	9.1682	0.1025
3	General Association	45	65.9984	0.0223

Total Sample Size = 95

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PI08

Frequency Col Pct	Table of ord by Year											
	ord	Year										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
	1	0 0.00	1 14.29	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 12.50	1 14.29	0 0.00	3
	2	1 16.67	1 14.29	1 16.67	0 0.00	1 16.67	2 33.33	1 14.29	0 0.00	1 14.29	0 0.00	8
	3	0 0.00	2 28.57	3 50.00	2 33.33	0 0.00	0 0.00	1 14.29	0 0.00	0 0.00	2 28.57	10
	4	2 33.33	0 0.00	0 0.00	2 33.33	1 16.67	2 33.33	3 42.86	2 25.00	0 0.00	0 0.00	12
	5	1 16.67	1 14.29	0 0.00	0 0.00	2 33.33	2 33.33	0 0.00	0 0.00	0 0.00	0 0.00	6
	6	0 0.00	2 28.57	2 33.33	0 0.00	0 0.00	0 0.00	2 28.57	3 37.50	1 14.29	3 42.86	13
	7	2 33.33	0 0.00	0 0.00	2 33.33	2 33.33	0 0.00	0 0.00	2 25.00	4 57.14	2 28.57	14
	Total	6	7	6	6	6	6	7	8	7	7	66

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	2.5782	0.1083
2	Row Mean Scores Differ	6	6.3307	0.3872
3	General Association	54	65.1949	0.1414

Total Sample Size = 66

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PI09

Frequency
Col Pct

Table of ord by Year											
ord	Year										Total
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1	2 11.76	2 11.76	4 25.00	4 28.57	2 13.33	3 25.00	1 7.69	3 27.27	2 14.29	1 6.67	24
2	4 23.53	9 52.94	5 31.25	5 35.71	7 46.67	2 16.67	6 46.15	3 27.27	4 28.57	4 26.67	49
3	7 41.18	0 0.00	2 12.50	0 0.00	0 0.00	2 16.67	2 15.38	1 9.09	0 0.00	2 13.33	16
4	0 0.00	3 17.65	0 0.00	2 14.29	0 0.00	2 16.67	0 0.00	1 9.09	2 14.29	0 0.00	10
5	0 0.00	2 11.76	2 12.50	0 0.00	0 0.00	0 0.00	2 15.38	0 0.00	0 0.00	2 13.33	8
6	1 5.88	0 0.00	2 12.50	1 7.14	2 13.33	0 0.00	0 0.00	1 9.09	0 0.00	2 13.33	9
7	3 17.65	1 5.88	1 6.25	2 14.29	4 26.67	3 25.00	2 15.38	2 18.18	6 42.86	4 26.67	28
Total	17	17	16	14	15	12	13	11	14	15	144

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	3.9256	0.0476
2	Row Mean Scores Differ	6	6.4771	0.3719
3	General Association	54	69.6093	0.0749

Total Sample Size = 144

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PIS01

Frequency
Col Pct

Table of ord by Year											
ord	Year										Total
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1	1 11.11	1 12.50	2 25.00	2 22.22	2 25.00	2 25.00	1 11.11	0 0.00	0 0.00	3 37.50	14
2	1 11.11	1 12.50	2 25.00	3 33.33	1 12.50	1 12.50	3 33.33	1 11.11	4 50.00	3 37.50	20
3	0 0.00	1 12.50	0 0.00	2 22.22	2 25.00	1 12.50	1 11.11	3 33.33	2 25.00	1 12.50	13
4	2 22.22	1 12.50	0 0.00	1 11.11	1 12.50	0 0.00	0 0.00	1 11.11	0 0.00	0 0.00	6
5	0 0.00	0 0.00	1 12.50	0 0.00	0 0.00	2 25.00	1 11.11	0 0.00	1 12.50	0 0.00	5
6	2 22.22	1 12.50	1 12.50	0 0.00	0 0.00	0 0.00	3 33.33	1 11.11	1 12.50	1 12.50	10
7	3 33.33	3 37.50	2 25.00	1 11.11	2 25.00	2 25.00	0 0.00	3 33.33	0 0.00	0 0.00	16
Total	9	8	8	9	8	8	9	9	8	8	84

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	3.6480	0.0561
2	Row Mean Scores Differ	6	10.5716	0.1026
3	General Association	54	50.3933	0.6143

Total Sample Size = 84

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PIS02

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	1 6.25	2 13.33	2 11.11	0 0.00	1 6.67	1 6.25	1 6.67	0 0.00	1 7.14	4 25.00	13
2	4 25.00	2 13.33	5 27.78	3 20.00	1 6.67	3 18.75	5 33.33	5 33.33	4 28.57	3 18.75	35
3	0 0.00	0 0.00	2 11.11	0 0.00	2 13.33	0 0.00	1 6.67	2 13.33	0 0.00	0 0.00	7
4	1 6.25	3 20.00	3 16.67	4 26.67	1 6.67	5 31.25	1 6.67	1 6.67	2 14.29	1 6.25	22
5	5 31.25	5 33.33	0 0.00	2 13.33	2 13.33	4 25.00	1 6.67	0 0.00	0 0.00	1 6.25	20
6	2 12.50	1 6.67	3 16.67	4 26.67	1 6.67	0 0.00	4 26.67	4 26.67	3 21.43	6 37.50	28
7	3 18.75	2 13.33	3 16.67	2 13.33	7 46.67	3 18.75	2 13.33	3 20.00	4 28.57	1 6.25	30
Total	16	15	18	15	15	16	15	15	14	16	155

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.1029	0.7484
2	Row Mean Scores Differ	6	12.0714	0.0604
3	General Association	54	69.7947	0.0728

Total Sample Size = 155

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PIS03

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	1 9.09	1 8.33	1 7.69	1 6.25	1 6.25	1 7.14	1 6.67	1 7.69	2 12.50	1 5.26	11
2	1 9.09	2 16.67	1 7.69	1 6.25	1 6.25	1 7.14	1 6.67	1 7.69	0 0.00	3 15.79	12
3	1 9.09	1 8.33	0 0.00	0 0.00	0 0.00	1 7.14	6 40.00	3 23.08	2 12.50	1 5.26	15
4	2 18.18	1 8.33	6 46.15	1 6.25	2 12.50	3 21.43	3 20.00	4 30.77	2 12.50	0 0.00	24
5	1 9.09	2 16.67	2 15.38	3 18.75	5 31.25	0 0.00	3 20.00	1 7.69	5 31.25	4 21.05	26
6	0 0.00	4 33.33	2 15.38	5 31.25	2 12.50	1 7.14	1 6.67	0 0.00	1 6.25	3 15.79	19
7	5 45.45	1 8.33	1 7.69	5 31.25	5 31.25	7 50.00	0 0.00	3 23.08	4 25.00	7 36.84	38
Total	11	12	13	16	16	14	15	13	16	19	145

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.0437	0.8344
2	Row Mean Scores Differ	6	5.1680	0.5225
3	General Association	54	70.6283	0.0639

Total Sample Size = 145

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PIS05

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 20.00	1 20.00	1 20.00	3
2	1 14.29	2 33.33	2 33.33	2 33.33	3 60.00	1 25.00	1 25.00	1 20.00	1 20.00	1 20.00	15
3	1 14.29	1 16.67	0 0.00	0 0.00	0 0.00	1 25.00	1 25.00	1 20.00	0 0.00	1 20.00	6
4	2 28.57	0 0.00	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	1 20.00	0 0.00	4
5	0 0.00	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	1 25.00	0 0.00	0 0.00	1 20.00	3
6	3 42.86	1 16.67	0 0.00	0 0.00	1 20.00	1 25.00	0 0.00	1 20.00	2 40.00	1 20.00	10
7	0 0.00	2 33.33	3 50.00	3 50.00	1 20.00	1 25.00	1 25.00	1 20.00	0 0.00	0 0.00	12
Total	7	6	6	6	5	4	4	5	5	5	53

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.5723	0.2099
2	Row Mean Scores Differ	6	7.9723	0.2401
3	General Association	54	45.1698	0.7984

Total Sample Size = 53

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PIS06

Frequency
Col Pct

Table of ord by Year											
ord	Year										Total
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1	1 14.29	2 33.33	1 16.67	1 16.67	2 33.33	2 33.33	2 33.33	2 33.33	3 50.00	1 16.67	17
2	0 0.00	1 16.67	1 16.67	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 16.67	4
3	1 14.29	0 0.00	0 0.00	1 16.67	1 16.67	1 16.67	2 33.33	1 16.67	2 33.33	2 33.33	11
4	0 0.00	0 0.00	1 16.67	0 0.00	0 0.00	1 16.67	0 0.00	1 16.67	0 0.00	1 16.67	4
5	0 0.00	1 16.67	1 16.67	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	3
6	2 28.57	1 16.67	0 0.00	0 0.00	1 16.67	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	5
7	3 42.86	1 16.67	2 33.33	2 33.33	2 33.33	2 33.33	1 16.67	2 33.33	1 16.67	1 16.67	17
Total	7	6	6	6	6	6	6	6	6	6	61

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	2.9243	0.0873
2	Row Mean Scores Differ	6	9.9048	0.1287
3	General Association	54	36.1650	0.9704

Total Sample Size = 61

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PIS07

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
2	0 0.00	1 12.50	0 0.00	1 12.50	1 12.50	1 12.50	0 0.00	2 28.57	1 11.11	0 0.00	7
3	1 11.11	1 12.50	1 12.50	1 12.50	1 12.50	3 37.50	2 28.57	0 0.00	1 11.11	1 11.11	12
4	3 33.33	0 0.00	2 25.00	0 0.00	1 12.50	0 0.00	5 71.43	1 14.29	0 0.00	1 11.11	13
5	1 11.11	3 37.50	5 62.50	0 0.00	0 0.00	0 0.00	0 0.00	2 28.57	0 0.00	2 22.22	13
6	2 22.22	2 25.00	0 0.00	6 75.00	1 12.50	0 0.00	0 0.00	1 14.29	6 66.67	2 22.22	20
7	2 22.22	1 12.50	0 0.00	0 0.00	4 50.00	4 50.00	0 0.00	1 14.29	1 11.11	3 33.33	16
Total	9	8	8	8	8	8	7	7	9	9	81

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.1225	0.7263
2	Row Mean Scores Differ	5	2.5941	0.7623
3	General Association	45	86.7539	0.0002

Total Sample Size = 81

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PIS09

Frequency Col Pct	Table of ord by Year							
	ord	Year						
		2015	2016	2017	2018	2019	2020	Total
	1	0 0.00	0 0.00	0 0.00	1 14.29	1 14.29	1 14.29	3
	2	1 16.67	3 50.00	3 50.00	0 0.00	2 28.57	1 14.29	10
	3	1 16.67	0 0.00	2 33.33	5 71.43	1 14.29	2 28.57	11
	4	0 0.00	0 0.00	0 0.00	1 14.29	0 0.00	0 0.00	1
	5	2 33.33	0 0.00	0 0.00	0 0.00	0 0.00	2 28.57	4
	6	0 0.00	1 16.67	1 16.67	0 0.00	3 42.86	1 14.29	6
	7	2 33.33	2 33.33	0 0.00	0 0.00	0 0.00	0 0.00	4
	Total	6	6	6	7	7	7	39

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.5921	0.2070
2	Row Mean Scores Differ	6	10.1678	0.1178
3	General Association	30	40.8760	0.0890

Total Sample Size = 39

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PR01

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	2 100.00	2 100.00	2 66.67	2 100.00	2 100.00	2 100.00	2 50.00	2 100.00	2 66.67	2 100.00	20
2	0 0.00	0 0.00	1 33.33	0 0.00	0 0.00	0 0.00	2 50.00	0 0.00	1 33.33	0 0.00	4
Total	2	2	3	2	2	2	4	2	3	2	24

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.4093	0.5223
2	Row Mean Scores Differ	1	0.4093	0.5223
3	General Association	9	6.9000	0.6475

Total Sample Size = 24

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PR02

Frequency Col Pct	Table of ord by Year											
	ord	Year										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
	1	6 100.00	6 100.00	8 100.00	8 100.00	8 100.00	8 100.00	8 100.00	6 100.00	8 100.00	8 100.00	74
	Total	6	6	8	8	8	8	8	6	8	8	74

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PR03

Frequency
Col Pct

Table of ord by Year											
ord	Year										Total
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1	1 14.29	1 14.29	1 14.29	1 14.29	0 0.00	0 0.00	1 14.29	0 0.00	1 14.29	4 66.67	10
2	2 28.57	2 28.57	2 28.57	2 28.57	3 42.86	2 28.57	2 28.57	3 42.86	2 28.57	2 33.33	22
3	0 0.00	1 14.29	1 14.29	1 14.29	0 0.00	2 28.57	0 0.00	1 14.29	0 0.00	0 0.00	6
4	2 28.57	0 0.00	1 14.29	1 14.29	1 14.29	2 28.57	2 28.57	2 28.57	4 57.14	0 0.00	15
5	1 14.29	1 14.29	0 0.00	0 0.00	0 0.00	1 14.29	1 14.29	1 14.29	0 0.00	0 0.00	5
6	0 0.00	2 28.57	1 14.29	2 28.57	2 28.57	0 0.00	1 14.29	0 0.00	0 0.00	0 0.00	8
7	1 14.29	0 0.00	1 14.29	0 0.00	1 14.29	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	3
Total	7	7	7	7	7	7	7	7	7	6	69

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	4.2900	0.0383
2	Row Mean Scores Differ	6	7.3099	0.2931
3	General Association	54	50.3818	0.6147

Total Sample Size = 69

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=PR04

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	1 12.50	1 16.67	1 16.67	1 16.67	1 16.67	1 16.67	0 0.00	1 16.67	1 16.67	2 33.33	10
2	4 50.00	2 33.33	2 33.33	1 16.67	1 16.67	1 16.67	1 20.00	1 16.67	3 50.00	1 16.67	17
3	3 37.50	3 50.00	3 50.00	1 16.67	2 33.33	1 16.67	3 60.00	3 50.00	1 16.67	2 33.33	22
4	0 0.00	0 0.00	0 0.00	2 33.33	2 33.33	2 33.33	1 20.00	1 16.67	1 16.67	1 16.67	10
5	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	1
6	0 0.00	0 0.00	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1
Total	8	6	6	6	6	6	5	6	6	6	61

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.1057	0.7451
2	Row Mean Scores Differ	5	2.5477	0.7693
3	General Association	45	33.9059	0.8869

Total Sample Size = 61

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=SC01

Frequency Col Pct	Table of ord by Year											
	ord	Year										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
	1	1 11.11	1 11.11	1 11.11	1 9.09	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	4
	2	0 0.00	2 22.22	2 22.22	3 27.27	0 0.00	0 0.00	2 22.22	0 0.00	2 18.18	2 20.00	13
	3	3 33.33	2 22.22	1 11.11	1 9.09	3 33.33	3 33.33	1 11.11	4 36.36	3 27.27	3 30.00	24
	4	2 22.22	2 22.22	1 11.11	0 0.00	2 22.22	1 11.11	2 22.22	0 0.00	0 0.00	2 20.00	12
	5	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 11.11	2 22.22	1 9.09	3 27.27	1 10.00	8
	6	2 22.22	1 11.11	1 11.11	0 0.00	0 0.00	2 22.22	0 0.00	4 36.36	1 9.09	1 10.00	12
	7	1 11.11	1 11.11	3 33.33	6 54.55	4 44.44	2 22.22	2 22.22	2 18.18	2 18.18	1 10.00	24
	Total	9	9	9	11	9	9	9	11	11	10	97

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.2070	0.6492
2	Row Mean Scores Differ	6	12.1662	0.0584
3	General Association	54	55.4141	0.4211

Total Sample Size = 97

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=SC02

Frequency
Col Pct

Table of ord by Year											
ord	Year										Total
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
1	1 11.11	1 10.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2
2	2 22.22	2 20.00	3 37.50	2 16.67	0 0.00	3 27.27	2 18.18	2 16.67	2 14.29	1 7.14	19
3	1 11.11	0 0.00	0 0.00	2 16.67	5 41.67	1 9.09	2 18.18	3 25.00	2 14.29	2 14.29	18
4	2 22.22	5 50.00	2 25.00	2 16.67	3 25.00	2 18.18	2 18.18	0 0.00	3 21.43	3 21.43	24
5	0 0.00	0 0.00	3 37.50	1 8.33	1 8.33	0 0.00	3 27.27	3 25.00	0 0.00	0 0.00	11
6	2 22.22	2 20.00	0 0.00	2 16.67	3 25.00	5 45.45	0 0.00	1 8.33	0 0.00	8 57.14	23
7	1 11.11	0 0.00	0 0.00	3 25.00	0 0.00	0 0.00	2 18.18	3 25.00	7 50.00	0 0.00	16
Total	9	10	8	12	12	11	11	12	14	14	113

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	5.3102	0.0212
2	Row Mean Scores Differ	6	11.6127	0.0712
3	General Association	54	92.2986	0.0009

Total Sample Size = 113

Cochrane Mantel Heanszel Test on Total Braun Blanquet Scores

The FREQ Procedure

Site=SC03

Frequency
Col Pct

Table of ord by Year											
ord	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1	3 15.79	4 16.00	2 11.11	5 21.74	5 22.73	4 16.00	3 16.67	3 14.29	4 16.67	2 6.90	35
2	0 0.00	1 4.00	1 5.56	4 17.39	2 9.09	5 20.00	4 22.22	3 14.29	4 16.67	5 17.24	29
3	3 15.79	6 24.00	5 27.78	5 21.74	5 22.73	2 8.00	5 27.78	13 61.90	10 41.67	6 20.69	60
4	5 26.32	9 36.00	6 33.33	7 30.43	4 18.18	9 36.00	5 27.78	2 9.52	5 20.83	12 41.38	64
5	4 21.05	4 16.00	2 11.11	2 8.70	4 18.18	3 12.00	1 5.56	0 0.00	1 4.17	4 13.79	25
6	2 10.53	0 0.00	1 5.56	0 0.00	0 0.00	2 8.00	0 0.00	0 0.00	0 0.00	0 0.00	5
7	2 10.53	1 4.00	1 5.56	0 0.00	2 9.09	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	6
Total	19	25	18	23	22	25	18	21	24	29	224

Summary Statistics for ord by Year

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	6.6709	0.0098
2	Row Mean Scores Differ	6	18.5948	0.0049
3	General Association	54	68.0626	0.0945

Total Sample Size = 224