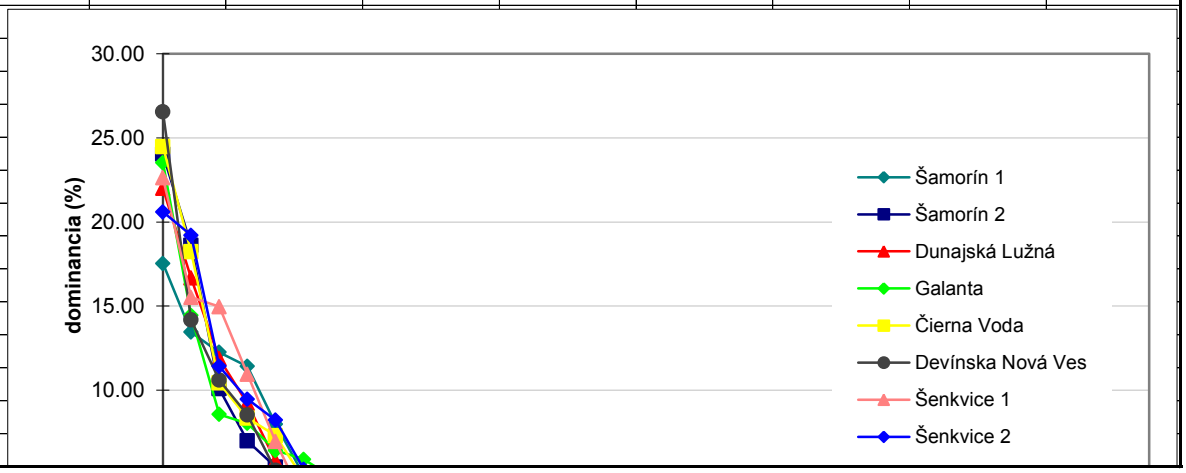
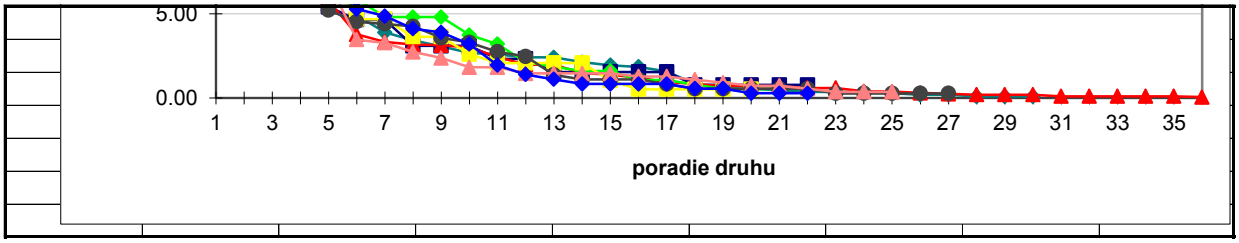
Šamorín 1	Šamorín 2	Dunajská Lužná	Galanta	Čierna Voda	Devínska Nová Ves	Šenkvice 1	Šenkvice 2
17.53	24.03	21.99	23.53	24.48	26.55	22.63	20.60
13.45	18.60	16.67	14.44	18.23	14.17	15.51	19.20
12.24	10.08	11.87	8.56	10.42	10.59	14.96	11.41
11.41	6.98	9.20	8.02	8.33	8.53	10.95	9.46
7.98	5.43	5.78	6.42	7.29	5.23	6.93	8.21
4.92	4.65	3.78	5.88	4.69	4.54	3.47	5.29
3.90	4.65	3.33	4.81	4.69	4.40	3.28	4.87
3.43	3.10	3.18	4.81	3.65	4.26	2.74	4.12
3.06	3.10	3.14	4.81	3.65	3.58	2.37	3.90
2.69	3.10	3.01	3.74	2.60	3.30	1.82	3.20
2.60	2.33	2.44	3.21	2.08	2.75	1.82	1.95
2.41	2.33	1.99	2.14	2.08	2.48	1.46	1.39
2.41	1.55	1.99	1.87	2.08	1.38	1.46	1.11
2.13	1.55	1.49	1.60	2.08	1.10	1.46	0.83
1.95	1.55	1.39	1.60	1.04	1.10	1.46	0.83
1.86	1.55	1.19	1.07	0.52	1.10	1.28	0.83
1.58	1.55	0.95	1.07	0.52	0.83	1.28	0.83
0.83	0.78	0.85	0.80	0.52	0.55	1.09	0.56
0.56	0.78	0.70	0.53	0.52	0.55	0.91	0.56
0.56	0.78	0.70	0.53	0.52	0.55	0.73	0.28
0.46	0.78	0.70	0.53		0.55	0.73	0.28
0.37	0.78	0.60			0.55	0.55	0.28
0.37		0.60			0.28	0.36	
0.37		0.40			0.28	0.36	
0.28		0.37			0.28	0.36	
0.19		0.30			0.28		
0.19		0.25			0.28		
0.09		0.20					
0.09		0.20					
0.09		0.20					
		0.10					
		0.10					
		0.10					
		0.10					
		0.10					
		0.05					

Krivky dominancie pre druhy podľa ich poradia v nidocenózach sledovaných lokalít



8 lokalít



Šamorín 1	Šamorín 2	Dunajská Lužná	Galanta	Čierna Voda	Devínska Nová Ves	Šenkvice 1	Šenkvice 2
37.8	15.5	73.66667	44	47	48.25	31	37
29	12	55.83333	27	35	25.75	21.25	34.5
26.4	6.5	39.76667	16	20	19.25	20.5	20.5
24.6	4.5	30.83333	15	16	15.5	15	17
17.2	3.5	19.35	12	14	9.5	9.5	14.75
10.6	3	12.66667	11	9	8.25	4.75	9.5
8.4	3	11.16667	9	9	8	4.5	8.75
7.4	2	10.66667	9	7	7.75	3.75	7.4
6.6	2	10.51667	9	7	6.5	3.25	7
5.8	2	10.08333	7	5	6	2.5	5.75
5.6	1.5	8.166667	6	4	5	2.5	3.5
5.2	1.5	6.666667	4	4	4.5	2	2.5
5.2	1	6.666667	3.5	4	2.5	2	2
4.6	1	5	3	4	2	2	1.5
4.2	1	4.666667	3	2	2	2	1.5
4	1	4	2	1	2	1.75	1.5
3.4	1	3.166667	2	1	1.5	1.75	1.5
1.8	0.5	2.833333	1.5	1	1	1.5	1
1.2	0.5	2.333333	1	1	1	1.25	1
1.2	0.5	2.333333	1	1	1	1	0.5
1	0.5	2.333333	1		1	1	0.5
0.8	0.5	2			1	0.75	0.5
0.8		2			0.5	0.5	
0.8		1.333333			0.5	0.5	
0.6		1.25			0.5	0.5	
0.4		1			0.5		
0.4		0.833333			0.5		
0.2		0.666667					
0.2		0.666667					
0.2		0.666667					
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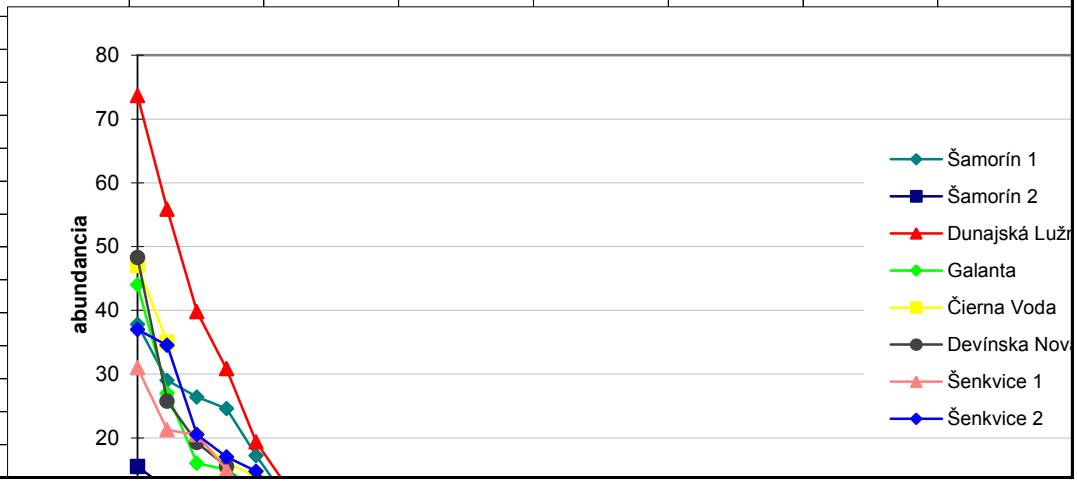
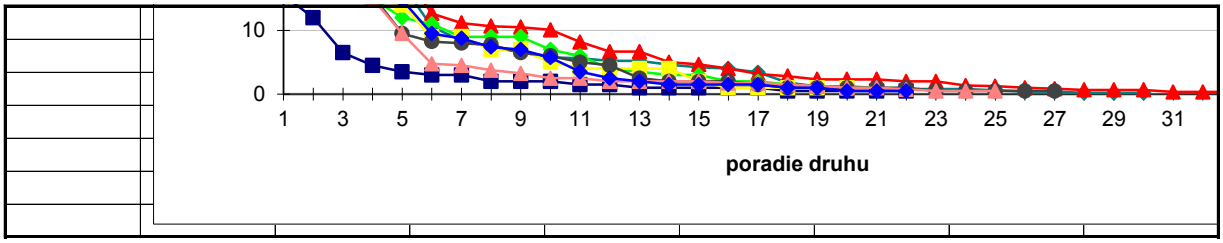
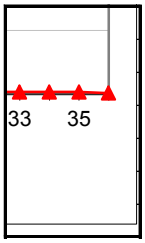


8 lokalít

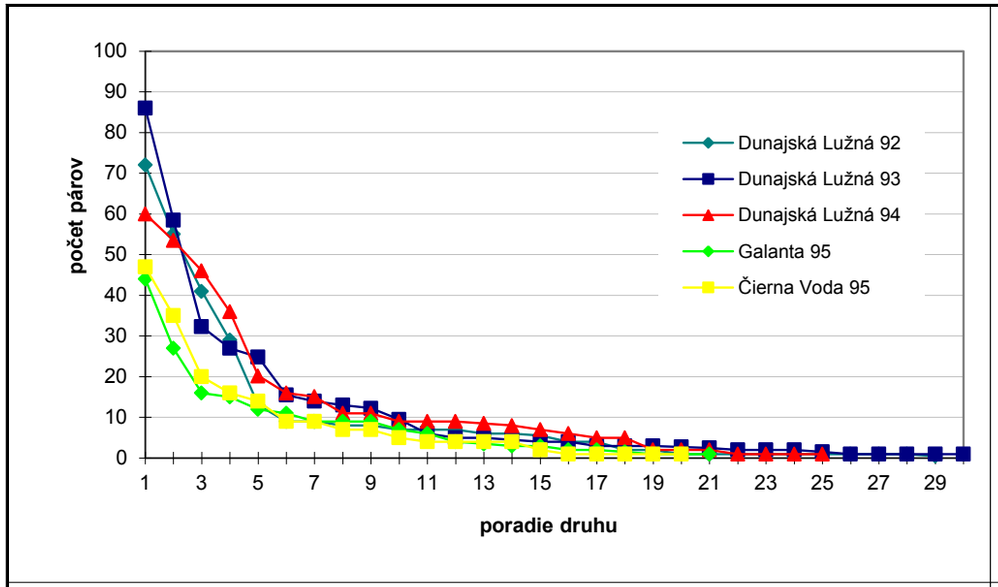


á
á Ves


33
35

Šamorín 1 a 2 netreba,	Dunajská Lužná 92	Dunajská Lužná 93	Dunajská Lužná 94	Galanta 95	Čierna Voda 95	Devínska Nová Ves 94	Devínska Nová Ves 95	Šenkvice 1 95	Šenkvice 1 96	Šenkvice 2 96	Šenkvice 2 97	
sú v samostatných obr.	72	86	60	44	47	39	57.5	33	27	40	34	
	55	58.5	53.5	27	35	24	28	20	22	40	29	
DL_92 - len na tej ploche ako bola	41	32.3	46	16	20	23.5	16	18	20	21	20	
no testované to bolo na celej,	29	27	36	15	16	15	14.5	15	14	15	19.5	
kašlať už na to	13	24.85	20.2	12	14	8	13	10	8	10	19	
	9	15.5	16	11	9	7	10	7	6	10	10	
	9	14	15.1	9	9	7	9	4	3	9	9.8	
	8	13	11	9	7	6.5	8.5	4	3	6.5	9.5	
	8	12.25	11	9	7	6	6	4	3	5	7.5	
	7	9.45	9	7	5	6	6	2	3	3	7.5	
	7	6	9	6	4	4	5	2	2.5	3	4	
	7	5	9	4	4	4	5	2	2	2	2	
	6	5	8.5	3.5	4	3	4	2	2	2	2	
	6	4.5	8	3	4	2	3	2	2	2	2	
	5.5	4	7	3	2	2	2	1.5	2	2	2	
	4	4	6	2	1	2	1	1	2	1	2	
	4	3	5	2	1	2	1	1	1.5	1	1	
	2	3	5	1.5	1	2	1	1	1.5	1	1	
	2	3	2	1	1	2	1	1	1	1	1	
	1	2.75	2	1	1	1	1	0.5	1	1	1	
	1	2.5	2	1		1	1		1			
	1	2	1			1	1		0.5			
	1	2	1			1						
	1	2	1									
	1	1.5	1									
	1	1										
	1	1										
	1	1										
	0.5	1										
		1										

Dunajská Lužná 92	Dunajská Lužná 93	Dunajská Lužná 94	Galanta 95	Čierna Voda 95	Devínska Nová Ves 94	Devínska Nová Ves 95	Šenkvice 1 95	Šenkvice 1 96	Šenkvice 2 96	Šenkvice 2 97				
1.863323	1.939519	1.78533	1.653213	1.681241	1.60206	1.767156	1.531479	1.447158	1.612784	1.544068				
1.748188	1.774517	1.736397	1.447158	1.556303	1.39794	1.462398	1.322219	1.361728	1.612784	1.477121				
1.623249	1.522444	1.672098	1.230449	1.322219	1.389166	1.230449	1.278754	1.322219	1.342423	1.322219				
1.477121	1.447158	1.568202	1.20412	1.230449	1.20412	1.190332	1.20412	1.176091	1.20412	1.311754				
1.146128	1.412461	1.326336	1.113943	1.176091	0.954243	1.146128	1.041393	0.954243	1.041393	1.30103				
1	1.217484	1.230449	1.079181	1	0.90309	1.041393	0.90309	0.845098	1.041393	1.041393				
1	1.176091	1.206826	1	1	0.90309	1	0.69897	0.60206	1	1.033424				
0.954243	1.146128	1.079181	1	0.90309	0.875061	0.977724	0.69897	0.60206	0.875061	1.021189				
0.954243	1.122216	1.079181	1	0.90309	0.845098	0.845098	0.69897	0.60206	0.778151	0.929419				
0.90309	1.019116	1	0.90309	0.778151	0.845098	0.845098	0.477121	0.60206	0.60206	0.929419				
0.90309	0.845098	1	0.845098	0.69897	0.69897	0.778151	0.477121	0.544068	0.60206	0.69897				
0.90309	0.778151	1	0.69897	0.69897	0.69897	0.778151	0.477121	0.477121	0.477121	0.477121				
0.845098	0.778151	0.977724	0.653213	0.69897	0.60206	0.69897	0.477121	0.477121	0.477121	0.477121				
0.845098	0.740363	0.954243	0.60206	0.69897	0.477121	0.60206	0.477121	0.477121	0.477121	0.477121				
0.812913	0.69897	0.90309	0.60206	0.477121	0.477121	0.477121	0.39794	0.477121	0.477121	0.477121				
0.69897	0.69897	0.845098	0.477121	0.30103	0.477121	0.30103	0.30103	0.477121	0.30103	0.477121				
0.69897	0.60206	0.778151	0.477121	0.30103	0.477121	0.30103	0.30103	0.39794	0.30103	0.30103				
0.477121	0.60206	0.778151	0.39794	0.30103	0.477121	0.30103	0.30103	0.39794	0.30103	0.30103				
0.477121	0.60206	0.477121	0.30103	0.30103	0.477121	0.30103	0.30103	0.30103	0.30103	0.30103				
0.30103	0.574031	0.477121	0.30103	0.30103	0.30103	0.30103	0.176091	0.30103	0.30103	0.30103				
0.30103	0.544068	0.477121	0.30103		0.30103	0.30103		0.30103						
0.30103	0.477121	0.30103			0.30103	0.30103		0.176091						
0.30103	0.477121	0.30103			0.30103									
0.30103	0.477121	0.30103												
0.30103	0.39794	0.30103												
0.30103	0.30103													
0.30103	0.30103													
0.30103	0.30103													
0.176091	0.30103													
	0.30103													


počet párov
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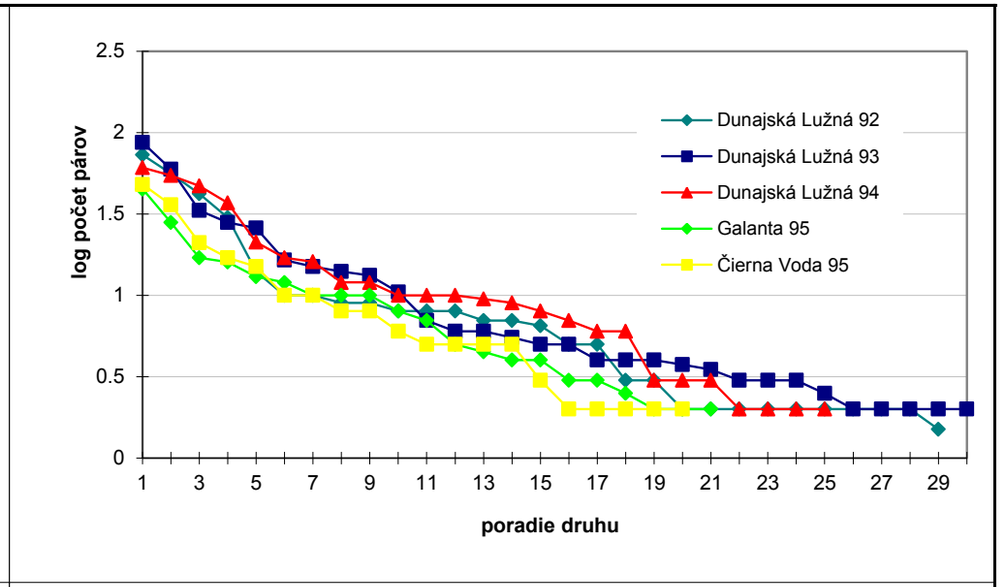
Dunajská Lužná 92
Dunajská Lužná 93
Dunajská Lužná 94
Galanta 95
Čierna Voda 95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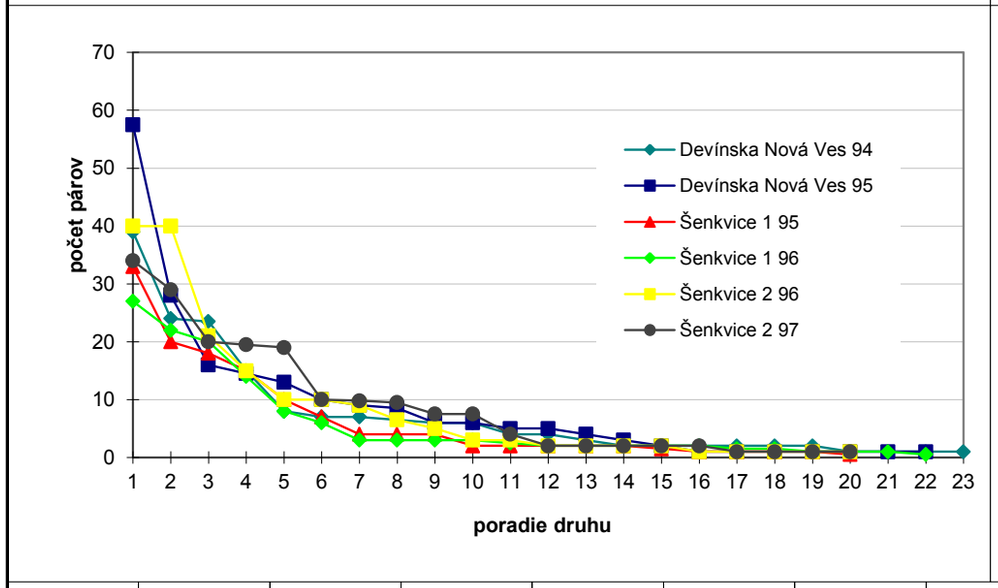
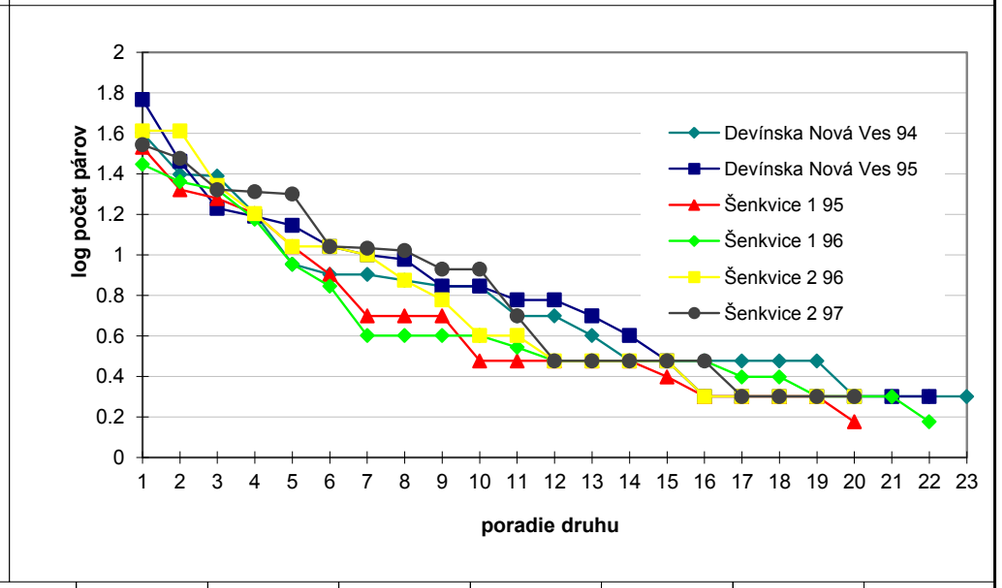
Dunajská Lužná 92
Dunajská Lužná 93
Dunajská Lužná 94
Galanta 95
Čierna Voda 95


počet párov
poradie druhu
Devínska Nová Ves 94
Devínska Nová Ves 95
Šenkvice 1 95
Šenkvice 1 96
Šenkvice 2 96
Šenkvice 2 97


log počet párov
poradie druhu
Devínska Nová Ves 94
Devínska Nová Ves 95
Šenkvice 1 95
Šenkvice 1 96
Šenkvice 2 96
Šenkvice 2 97

1996	1997	1999	2000	2001
20.32	18.13	15.79	19.4	15.38
14.44	14.62	14.47	15.95	15
9.626	9.942	12.28	12.07	13.46
8.021	9.942	12.28	9.914	11.15
5.882	7.602	8.333	8.19	9.231
4.278	5.263	4.825	5.603	5.385
4.278	4.678	4.386	3.879	4.615
3.743	4.094	3.509	3.017	3.077
3.209	4.094	3.07	2.586	3.077
2.674	2.924	2.632	2.586	2.692
2.674	2.924	2.632	2.586	2.692
2.674	2.339	2.193	2.155	2.692
2.674	2.339	2.193	2.155	2.308
2.674	2.339	1.754	2.155	1.923
2.139	2.339	1.754	1.724	1.538
2.139	1.754	1.754	1.293	1.538
1.604	1.17	1.316	0.862	1.154
1.604	0.585	1.316	0.431	0.769
1.604	0.585	0.877	0.431	0.385
1.07	0.585	0.439	0.431	0.385
0.535	0.585	0.439	0.431	0.385
0.535	0.585	0.439	0.431	0.385
0.535	0.585	0.439	0.431	0.385
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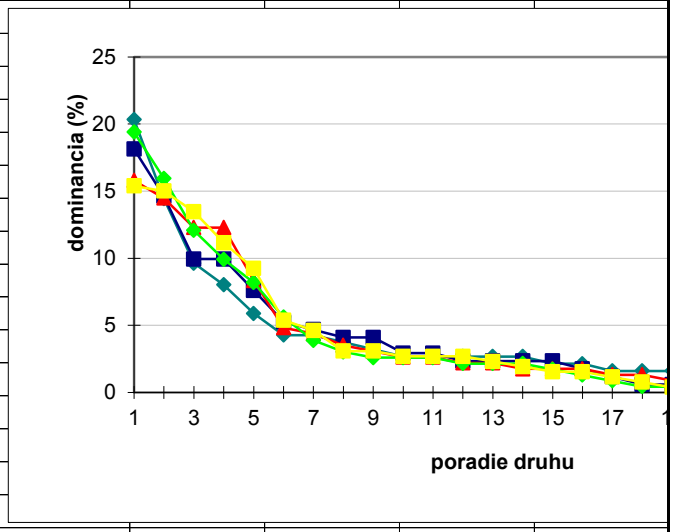
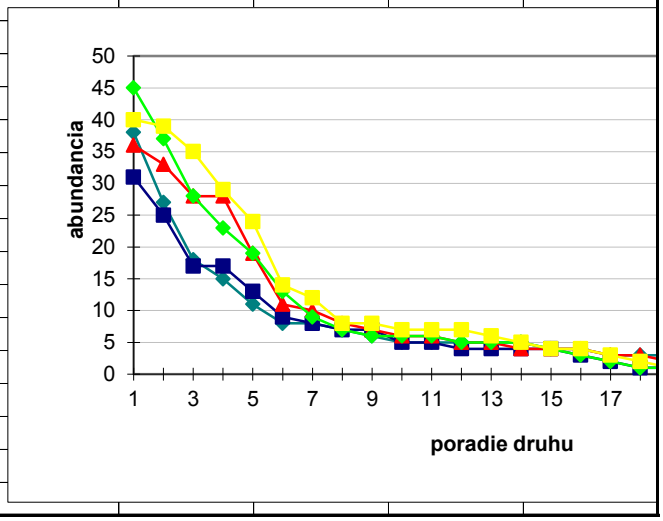
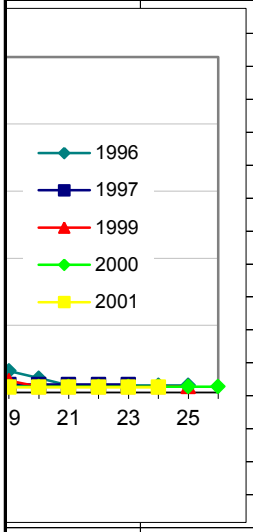
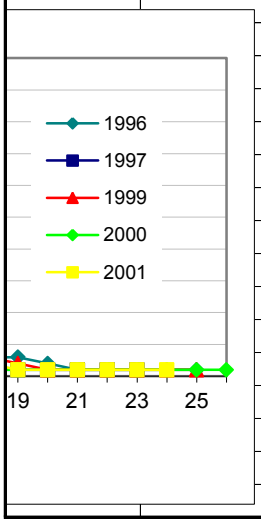


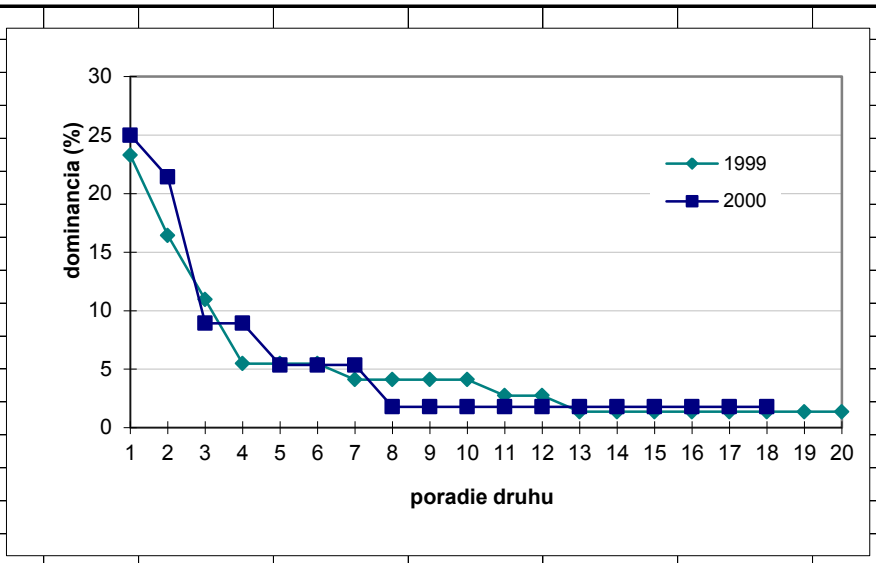


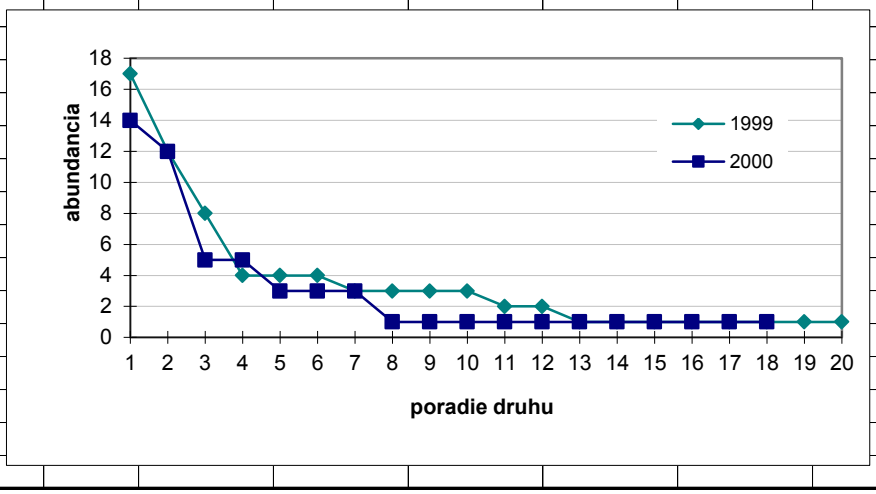




1996	1997	1999	2000	2001
38	31	36	45	40
27	25	33	37	39
18	17	28	28	35
15	17	28	23	29
11	13	19	19	24
8	9	11	13	14
8	8	10	9	12
7	7	8	7	8
6	7	7	6	8
5	5	6	6	7
5	5	6	6	7
5	4	5	5	7
5	4	5	5	6
5	4	4	5	5
4	4	4	4	4
4	3	4	3	4
3	2	3	2	3
3	1	3	1	2
3	1	2	1	1
2	1	1	1	1
1	1	1	1	1
1	1	1	1	1
1	1	1	1	1
1		1	1	1
1		1	1	
			1	

1999	2000
23.29	25
16.44	21.43
10.96	8.929
5.479	8.929
5.479	5.357
5.479	5.357
4.11	5.357
4.11	1.786
4.11	1.786
4.11	1.786
2.74	1.786
2.74	1.786
1.37	1.786
1.37	1.786
1.37	1.786
1.37	1.786
1.37	1.786
1.37	1.786
1.37	
1.37	





	1999	2000
	17	14
	12	12
	8	5
	4	5
	4	3
	4	3
	3	3
	3	1
	3	1
	3	1
	2	1
	2	1
	1	1
	1	1
	1	1
	1	1
	1	1
	1	1
	1	
	1	

testy robené s priemernými hodnotami za sledované obdobie, treba spraviť za každý rok zvlášť, bude to lepšie

Galanta a Čierna Voda netreba prerábať, sú z 1 roka iba

Geometric series

										Šamorín1	Šamorín1	Šamorín1	Šamorín1	Šamorín1		Šamorín2	Šamorín2
	Šamorín 1	Šamorín 2	Dunajská Lužná	Galanta	Čierna Voda	Devínska Nová Ves	Šenkvice1	Šenkvice2		1996	1997	1999	2000	2001		1999	2000
S	30	22	36	21	20	27	25	22		25	23	25	26	24		20	18
N	215.6	64.5	334.9667	187	192	181.75	137	179.65		187	171	228	232	260		73	56
df	29	21	35	20	19	26	24	21		24	22	24	25	23		19	17
chi-square	7.962695	11.57176	28.69311	10.3509	13.22766	26.92453	19.81588	5.215837		16.42963	6.761317	12.59796	24.77667	10.23103		14.47407	18.8939

Log series

										Šamorín1	Šamorín1	Šamorín1	Šamorín1	Šamorín1		Šamorín2	Šamorín2
	Šamorín 1	Šamorín 2	Dunajská Lužná	Galanta	Čierna Voda	Devínska Nová Ves	Šenkvice 1	Šenkvice 2		1996	1997	1999	2000	2001		1999	2000
S	30	22	36	21	20	27	25	22		25	23	25	26	24		20	18
N	215.6	64.5	334.9667	187	192	181.75	137	179.65		187	171	228	232	260		73	56
chi-square	6.349763	1.793855	2.951134	8.557902	2.968205	4.603993	5.496079	3.396786		10.08603	4.826874	4.031036	4.691143	6.342466		3.980498	1.339347
df	5	3	6	5	5	5	4	5		5	4	5	5	5		3	2

	Šamorín1	Šamorín1	Šamorín1	Šamorín1	Šamorín1	Šamorín2	Šamorín2	Dunajská Lužná	Dunajská Lužná	Dunajská Lužná	Galanta	Čierna Voda	Devínska Nová Ves	Devínska Nová Ves	Šenkvice 1	Šenkvice 1	Šenkvice 2	Šenkvice 2
	1996	1997	1999	2000	2001	1999	2000	1992	1993	1994	1995	1995	1994	1995	1995	1996	1996	1997
S - počet druhov	25	23	25	26	24	20	18	29	30	25	21	20	23	22	20	22	20	20
N - počet párov	187	171	228	232	260	73	56	304.5	348.1	345.3	187	192	169	194.5	131.5	128.5	175.5	183.8
Geometric series																		
chi-square	16.430	6.761	12.598	24.777	10.231	14.474	18.894	81.210	74.787	16.975	10.351	13.228	21.105	33.807	18.946	24.641	21.877	5.742
df	24	22	24	25	23	19	17	28	29	24	20	19	22	21	19	21	19	19
	P > 0.80	P > 0.99	P > 0.95	P > 0.30	P > 0.98	P > 0.70	P > 0.30	***	***	P > 0.80	P > 0.95	P > 0.80	P > 0.50	*	P > 0.30	P > 0.20	P > 0.20	P > 0.99
Log series																		
chi-square	10.086	4.827	4.031	4.691	6.342	3.980	1.339	6.346	3.187	13.267	8.558	2.968	3.209	3.659	2.517	3.648	3.180	4.117
df	5	4	5	5	5	3	2	6	6	5	5	5	5	5	5	4	5	5
	P > 0.05	P > 0.30	P > 0.50	P > 0.30	P > 0.20	P > 0.20	P > 0.50	P > 0.30	P > 0.70	*	P > 0.10	P > 0.70	P > 0.50	P > 0.50	P > 0.70	P > 0.30	P > 0.50	P > 0.50
Log normal																		
chi-square	3.582	3.438	2.390	4.824	4.921	1.966	2.290	5.764	2.233	10.335	5.202	2.304	3.597	2.993	3.817	6.217	4.579	6.289
df	3	2	3	3	3	1	0	4	4	3	3	3	3	3	3	2	3	3
	P > 0.30	P > 0.10	P > 0.30	P > 0.10	P > 0.10	P > 0.10	???	P > 0.20	P > 0.50	*	P > 0.10	P > 0.50	P > 0.30	P > 0.30	P > 0.20	*	P > 0.20	P > 0.05
Broken stick																		
chi-square	6.557	4.655	7.666	13.066	10.910	4.225	3.573	44.130	24.189	13.454	5.585	7.737	11.565	6.204	22.734	14.021	16.615	12.453
df	5	4	5	5	5	3	2	6	6	5	5	5	5	5	5	4	5	5
	P > 0.20	P > 0.30	P > 0.10	*	P > 0.05	P > 0.20	P > 0.10	***	***	*	P > 0.30	P > 0.10	*	P > 0.20	***	**	**	*
df	5	4	5	5	5	3	2	6	6	5	5	5	5	5	5	4	5	5
	P > 0.20	P > 0.30	P > 0.10	*	P > 0.05	P > 0.20	P > 0.10	***	***	*	P > 0.30	P > 0.10	*	P > 0.20	***	**	**	*

	Dunajská Lužná 92		Observed	Expected				
		1	72	37.96633	30.50837			
		2	55	33.34203	14.06836		S	29
		3	41	29.28097	4.690269		N	304.5
		4	29	25.71455	0.41977			
		5	13	22.58252	4.066182			1/N
		6	9	19.83197	5.916282		k	0.1218
		7	9	17.41643	4.067213			
		8	8	15.29511	3.479455		Ck	1.02368
		9	8	13.43217	2.196849			
		10	7	11.79613	1.950034			
		11	7	10.35936	1.089382			
		12	7	9.09759	0.483632			sum exp
		13	6	7.989504	0.495416			
		14	6	7.016382	0.147232			
		15	5.5	6.161787	0.071077			
		16	4	5.411281	0.368067		chi-square	81.20997
		17	4	4.752187	0.119058		df (S-1)	28
		18	2	4.173371	1.131829			
		19	2	3.665054	0.756443			
		20	1	3.218651	1.52934			
		21	1	2.826619	1.180399			
		22	1	2.482337	0.885183			
		23	1	2.179988	0.638706			
		24	1	1.914466	0.436805			
		25	1	1.681284	0.276067			
		26	1	1.476503	0.153779			
		27	1	1.296665	0.067874			
		28	1	1.138731	0.016902			
		29	1	1.000034	1.15E-09			

			Dunajská Lužná		Observed	Expected		
			1993	1	86	43.29073	42.13563	
				2	58.5	38.01618	11.03705	
				3	32.3	33.38429	0.035217	
				4	27	29.31675	0.183081	
0.003284				5	24.85	25.7448	0.0311	
0.003284				6	15.5	22.60805	2.234796	
				7	14	19.85349	1.725808	
				8	13	17.43454	1.127941	
				9	12.25	15.31031	0.611713	
				10	9.45	13.4449	1.187012	
				11	6	11.80678	2.855874	
304.5				12	5	10.36824	2.779449	
				13	5	9.104973	1.850726	
				14	4.5	7.995624	1.528259	
				15	4	7.021437	1.300173	
				16	4	6.165945	0.760843	
				17	3	5.414686	1.076832	
				18	3	4.754961	0.647721	
				19	3	4.175616	0.330987	
				20	2.75	3.666859	0.229251	
				21	2.5	3.220089	0.161029	
				22	2	2.827753	0.242304	
				23	2	2.48322	0.094032	
				24	2	2.180664	0.014968	
				25	1.5	1.914972	0.089924	
				26	1	1.681652	0.276305	
				27	1	1.47676	0.153918	
				28	1	1.296831	0.067942	
				29	1	1.138825	0.016923	
				30	1	1.000071	5.02E-09	

					Dunajská Lužná		Observed	Expected
					1994	1	60	53.64337
S	30					2	53.5	45.4413
N	348.1					3	46	38.49332
						4	36	32.60769
	1/N	0.002873				5	20.2	27.62198
k	0.12184	0.002873				6	16	23.39858
						7	15.1	19.82094
Ck	1.020707					8	11	16.79031
						9	11	14.22308
						10	9	12.04837
						11	9	10.20617
	sum exp	348.1				12	9	8.645648
						13	8.5	7.323728
						14	8	6.20393
						15	7	5.255349
chi-square	74.78681					16	6	4.451806
df (S-1)	29					17	5	3.771125
						18	5	3.19452
						19	2	2.706078
						20	2	2.292319
						21	2	1.941823
						22	1	1.644918
						23	1	1.39341
						24	1	1.180358
						25	1	0.999881

							Galanta	
0.753248								Abundance
1.429155		S	25					Observed
1.463895		N	345.3					44
0.352915								27
1.994273			1/N	0.002896				16
2.339414		k	0.1529	0.002896				15
1.124429								12
1.99685		Ck	1.016043					11
0.730377								9
0.77127								9
0.142546								9
0.014524			sum exp	345.3				7
0.188922								6
0.519971								4
0.579182								3.5
0.538411		chi-square	16.97499					3
0.400446		df (S-1)	24					3
1.020422								2
0.184232								2
0.037277								1.5
0.001743								1
0.252851								1
0.111074								1
0.027559								
1.41E-08								
							S	21
							N	187
							k	
						0.005348	0.15656	0.005347
							Ck	
							1.028805	

					Čierna Voda			
						Abundance		
Expected						Observed	Expected	
30.12004	6.396188					47	33.13961	5.797007
25.40444	0.100211					35	27.5632	2.006513
21.42712	1.374597					20	22.92514	0.373235
18.07249	0.522353					16	19.06753	0.493495
15.24306	0.689983					14	15.85904	0.217921
12.85661	0.268111					9	13.19044	1.331249
10.84378	0.3135					9	10.97088	0.354062
9.146077	0.002333					7	9.124811	0.494785
7.714167	0.214329					7	7.589379	0.04577
6.506437	0.037441					5	6.312315	0.272827
5.487789	0.047808					4	5.250141	0.297678
4.628621	0.085374					4	4.3667	0.030794
3.903964	0.0418					4	3.631915	0.037304
3.292759	0.026029					4	3.020773	0.31743
2.777245	0.017867					2	2.512468	0.104528
2.34244	0.050061					1	2.089695	0.568233
1.975707	0.000299					1	1.738062	0.313415
1.66639	0.016614					1	1.445598	0.137353
1.4055	0.116991					1	1.202347	0.034054
1.185455	0.029013					1	1.000028	8.02E-10
0.99986	1.95E-08							
					S	20		
187	10.3509	chi-square			N	192	192.0001	13.22766
					k			
				0.005208	0.16827	0.005208		
					Ck			
					1.025745			

		Devínska Nová Ves		Observed	Expected			
		1994	1	39	23.44146	10.32649		
			2	24	20.31015	0.670354		S
			3	23.5	17.59712	1.980095		N
			4	15	15.2465	0.003985		
			5	8	13.20987	2.054733		
			6	7	11.4453	1.726531		k
			7	7	9.916434	0.857726		
			8	6.5	8.591796	0.509278		Ck
			9	6	7.444104	0.280146		
			10	6	6.449721	0.031358		
			11	4	5.588167	0.45136		
			12	4	4.8417	0.146324		
			13	3	4.194945	0.340385		
			14	2	3.634585	0.735123		
			15	2	3.149077	0.41929		
			16	2	2.728423	0.194471		chi-square
			17	2	2.36396	0.056036		df (S-1)
			18	2	2.048183	0.001133		
			19	2	1.774586	0.028633		
			20	1	1.537537	0.187928		
			21	1	1.332153	0.082817		
			22	1	1.154204	0.020602		
			23	1	1.000025	6.42E-10		
chi-square								

			Devínska Nová Ves		Observed	Expected		
			1995	1	57.5	29.91074	25.44795	
23				2	28	25.44178	0.257234	
169				3	16	21.64052	1.470181	
				4	14.5	18.40721	0.829365	
1/N	0.005917			5	13	15.65699	0.450891	
0.13358	0.005917			6	10	13.31768	0.826495	
				7	9	11.32789	0.478381	
1.038381				8	8.5	9.635386	0.133788	
				9	6	8.195763	0.588276	
				10	6	6.971234	0.135313	
				11	5	5.929662	0.145754	
sum exp	169			12	5	5.043711	0.000379	
				13	4	4.29013	0.019621	
				14	3	3.649142	0.115475	
				15	2	3.103924	0.392615	
21.1048				16	1	2.640166	1.01893	
22				17	1	2.245699	0.690995	
				18	1	1.910169	0.433683	
				19	1	1.624771	0.240242	
				20	1	1.382014	0.105596	
				21	1	1.175527	0.026209	
				22	1	0.999892	1.18E-08	

				Šenkvice 1		Observed	Expected	
				1995	1	33	20.05042	8.363493
S	22				2	20	17.12346	0.483224
N	194.5				3	18	14.62378	0.779475
					4	15	12.489	0.504854
	1/N	0.005141			5	10	10.66586	0.041568
k	0.14941	0.005141			6	7	9.108854	0.488235
					7	4	7.779143	1.835925
Ck	1.029267				8	4	6.643544	1.051897
					9	4	5.673719	0.493739
					10	2	4.84547	1.670983
					11	2	4.138128	1.104749
	sum exp	194.5			12	2	3.534044	0.665892
					13	2	3.018144	0.343462
					14	2	2.577556	0.129414
					15	1.5	2.201284	0.223415
chi-square	33.80738				16	1	1.879941	0.411872
df (S-1)	21				17	1	1.605507	0.228363
					18	1	1.371135	0.100458
					19	1	1.170977	0.024965
					20	1	1.000038	1.41E-09
					21			
					22			

					Šenkvice 1		Observed	Expected
					1996	1	27	17.13264
	S	20				2	22	14.96485
	N	131.5				3	20	13.07134
						4	14	11.41743
		1/N	0.007605			5	8	9.97278
	k	0.14598	0.007605			6	6	8.710924
						7	3	7.608731
	Ck	1.04449				8	3	6.645998
						9	3	5.80508
						10	3	5.070563
						11	2.5	4.428985
		sum exp	131.5			12	2	3.868586
						13	2	3.379093
						14	2	2.951537
						15	2	2.578079
	chi-square	18.94598				16	2	2.251874
	df (S-1)	19				17	1.5	1.966945
						18	1.5	1.718067
						19	1	1.50068
						20	1	1.310799
						21	1	1.144944
						22	1	1.000074

						Šenkvice 2		Observed
5.683001						1996	1	40
3.30731		S	22				2	40
3.672634		N	128.5				3	21
0.584167							4	15
0.390248			1/N	0.007782			5	10
0.843666		k	0.12653	0.007783			6	10
2.791583							7	9
2.000197		Ck	1.053726				8	6.5
1.355446							9	5
0.845514							10	3
0.840144							11	3
0.902555			sum exp	128.5			12	2
0.562843							13	2
0.306763							14	2
0.129622							15	2
0.028172		chi-square	24.64148				16	1
0.110851		df (S-1)	21				17	1
0.027678							18	1
0.167045							19	1
0.073693							20	1
0.018349								
5.48E-09								

Expected							Šenkvice 2	
29.46104	3.770054						1997	1
24.65594	9.54902		S	20				2
20.63456	0.006472		N	175.5				3
17.26906	0.298143							4
14.45248	1.371707			1/N	0.005698			5
12.09528	0.362968		k	0.1631	0.005699			6
10.12254	0.124484							7
8.471553	0.458832		Ck	1.029241				8
7.089843	0.616014							9
5.933489	1.450303							10
4.965737	0.778157							11
4.155825	1.11833			sum exp	175.5			12
3.47801	0.628093							13
2.910747	0.284965							14
2.436004	0.078037							15
2.038692	0.529202		chi-square	21.87712				16
1.706181	0.292285		df (S-1)	19				17
1.427903	0.128231							18
1.195012	0.031824							19
1.000106	1.11E-08							20

Observed	Expected								
34	31.30278	0.232407							
29	26.11372	0.319013		S	20				
20	21.78485	0.146234		N	183.8				
19.5	18.17357	0.096811							
19	15.16094	0.972128			1/N	0.005441			
10	12.64771	0.55428		k	0.16577	0.005441			
9.8	10.5511	0.053469							
9.5	8.802044	0.055344		Ck	1.027381				
7.5	7.342929	0.00336							
7.5	6.125692	0.308328							
4	5.110236	0.241207							
2	4.263112	1.201394			sum exp	183.8			
2	3.556416	0.681144							
2	2.966869	0.315092							
2	2.475051	0.091179							
2	2.064762	0.002031		chi-square	5.742283				
1	1.722486	0.303042		df (S-1)	19				
1	1.43695	0.132868							
1	1.198747	0.032951							
1	1.00003	9.23E-10							
									0.005348

Šamorín1 1996							Šamorín1 1997	
	Abundance							Abundance
	Observed	Expected						Observed
	38	24.09564	8.023493					31
	27	21.10368	1.647415					25
	18	18.48324	0.012634					17
	15	16.18818	0.08721					17
	11	14.17809	0.712385					13
	8	12.4176	1.571573					9
	8	10.8757	0.760381					8
	7	9.525268	0.66948					7
	6	8.342515	0.657761					7
	5	7.306625	0.728177					5
	5	6.399362	0.306001					5
	5	5.604753	0.065253					4
	5	4.908811	0.001694					4
	5	4.299284	0.114206					4
	4	3.765442	0.014611					4
	4	3.297887	0.149478					3
	3	2.888388	0.004313					2
	3	2.529737	0.087419					1
	3	2.21562	0.277689					1
	2	1.940506	0.001824					1
	1	1.699553	0.287943					1
	1	1.48852	0.160328					1
	1	1.30369	0.070744					1
	1	1.141811	0.017613					
	1	1.000032	1.05E-09					
S	25						S	23
N	187	186.9999	16.42963	chi-square			N	171
k							k	
0.12417	0.005348					0.005848	0.1342	0.005848
Ck							Ck	
1.03772							1.03773	

					Šamorín1			
					1999	Abundance		
Expected						Observed	Expected	
23.81404	2.168389					36	31.35673	0.687569
20.61819	0.931228					33	27.1634	1.254111
17.85123	0.040591					28	23.53084	0.848819
15.4556	0.154325					28	20.38406	2.845487
13.38145	0.010874					19	17.6581	0.101976
11.58566	0.577063					11	15.29668	1.206894
10.03087	0.411173					10	13.25106	0.797624
8.684725	0.326815					8	11.47899	1.054394
7.519235	0.035855					7	9.943906	0.871547
6.510154	0.350309					6	8.614108	0.793299
5.636491	0.071875					6	7.462143	0.286494
4.880074	0.158713					5	6.464231	0.331667
4.225168	0.012					5	5.599769	0.064239
3.65815	0.031945					4	4.850912	0.149261
3.167227	0.218965					4	4.2022	0.009729
2.742185	0.024239					4	3.640239	0.035555
2.374184	0.058973					3	3.15343	0.007465
2.055568	0.542052					3	2.731722	0.026347
1.779711	0.3416					2	2.366409	0.056734
1.540874	0.189856					1	2.049949	0.537766
1.334088	0.083664					1	1.775809	0.338933
1.155054	0.020814					1	1.53833	0.188386
1.000046	2.08E-09					1	1.332609	0.083017
						1	1.1544	0.020651
						1	1.000022	4.7E-10
					S	25		
171	6.761317	chi-square			N	228	228	12.59796
					k			
				0.004386	0.13373	0.004386		
					Ck			
					1.028412			

			Šamorín1					
			2000	Abundance				
				Observed	Expected			
				45	30.52183	6.867784		
				37	26.62114	4.046434		
				28	23.21896	0.984469		
				23	20.25158	0.373		
				19	17.66343	0.101137		
				13	15.40604	0.375763		
				9	13.43715	1.465213		
				7	11.71988	1.90081		
				6	10.22208	1.743868		
				6	8.915698	0.95352		
				6	7.776272	0.40574		
				5	6.782464	0.46844		
				5	5.915665	0.141733		
				5	5.159643	0.004939		
				4	4.500241	0.055606		
				3	3.92511	0.218039		
				2	3.423481	0.591882		
				1	2.98596	1.320861		
				1	2.604354	0.988327		
				1	2.271518	0.711752		
				1	1.981218	0.485958		
				1	1.728018	0.306716		
				1	1.507178	0.170669		
				1	1.31456	0.075271		
				1	1.146559	0.018734		
				1	1.000029	8.49E-10		
			S	26				
chi-square			N	232	232.0001	24.77667	chi-square	
			k					
		0.00431	0.1278	0.00431				
			Ck					
			1.029418					

	Šamorín1							Šamorín2
	2001	Abundance						1999
		Observed	Expected					
		40	39.18176	0.017088				
		39	33.40558	0.936895				
		35	28.48093	1.492165				
		29	24.28227	0.916593				
		24	20.70258	0.525199				
		14	17.65061	0.75504				
		12	15.04855	0.617579				
		8	12.8301	1.818367				
		8	10.93868	0.789479				
		7	9.326102	0.580173				
		7	7.951248	0.113803				
		7	6.779075	0.0072				
		6	5.779704	0.008397				
		5	4.92766	0.001062				
		4	4.201224	0.009638				
		4	3.58188	0.048808				
		3	3.053839	0.000949				
		2	2.603642	0.139952				
		1	2.219813	0.670302				
		1	1.892568	0.420951				
		1	1.613566	0.233311				
		1	1.375694	0.1026				S
		1	1.172889	0.025485				N
		1	0.999982	3.28E-10				k
							0.013699	0.10804
								Ck
								1.113094
	S	24						
	N	260	259.9999	10.23103	chi-square			
	k							
0.003846	0.14742	0.003846						
	Ck							
	1.022243							

						Šamorín2 2000		
Abundance							Abundance	
Observed	Expected						Observed	Expected
17	8.778883	7.698788					14	6.912003
12	7.830413	2.220248					12	6.169031
8	6.984415	0.147673					5	5.505922
4	6.229819	0.798112					5	4.914091
4	5.556749	0.436131					3	4.385875
4	4.956398	0.184549					3	3.914437
3	4.420909	0.456689					3	3.493674
3	3.943274	0.225641					1	3.118139
3	3.517242	0.076065					1	2.782971
3	3.13724	0.006004					1	2.483829
2	2.798292	0.227735					1	2.216842
2	2.495965	0.098551					1	1.978554
1	2.226301	0.675476					1	1.765879
1	1.985771	0.489354					1	1.576065
1	1.771228	0.335808					1	1.406654
1	1.579865	0.21283					1	1.255452
1	1.409176	0.118811					1	1.120504
1	1.256929	0.052519					1	1.000061
1	1.12113	0.013087						
1	1.000003	1.15E-11						
20						S	18	
73	73	14.47407	chi-square			N	56	55.99998
						k		
0.013699					0.017857	0.10749	0.017858	
						Ck		
						1.14828		

7.268474	
5.511432	
0.046488	
0.001502	
0.437917	
0.213618	
0.069759	
1.438843	
1.142299	
0.886433	
0.667934	
0.483974	
0.332169	
0.210556	
0.117561	
0.051978	
0.01296	
3.7E-09	
18.8939	chi-square

	Dunajská Lužná					observed	expected	
	1992	72		1	2.5	12	11.42689	0.028744
		55		2	4.5	2	4.212153	1.161786
		41		3	8.5	8	4.258582	3.287059
		29		4	16.5	3	3.844412	0.185472
		13		5	32.5	1	2.942076	1.281972
		9		6	64.5	2	1.683121	0.059658
		9		7	128.5	1	0.562157	0.341019
		8					chi-square	6.345711
		8					df	6
		7						
		7						
		7						
		6						
		6						
		5.5						
		4			S	29		
		4			N	304.5		
		2						
		2			S/N		0.095238	
		1			x	0.97477	0.095242	
		1						
		1			a	7.881382		
		1						
		1						
		1						
		1						
		1						
		1						
		1						

	Dunajská Lužná					observed	expected	
	1993	86		1	2.5	10	11.45965	0.18592
		58.5		2	4.5	7	4.252602	1.77496
		32.3		3	8.5	3	4.338837	0.413126
		27		4	16.5	5	3.988485	0.256529
		24.85		5	32.5	3	3.163202	0.00842
		15.5		6	64.5	1	1.939089	0.454795
		14		7	128.5	1	0.737576	0.093369
		13					chi-square	3.187119
		12.25					df	6
		9.45						
		6						
		5						
		5						
		4.5						
		4						
		4			S	30		
		3			N	348.1		
		3						
		3			S/N		0.086182	
		2.75			x	0.97789	0.086183	
		2.5						
		2			a	7.870508		
		2						
		2						
		1.5						
		1						
		1						
		1						
		1						
		1						

	Dunajská Lužná					observed	expected	
	1994	60		1	2.5	7	9.067559	0.471439
		53.5		2	4.5	0	3.39743	3.39743
		46		3	8.5	6	3.512068	1.76244
		36		4	16.5	7	3.313861	4.100238
		20.2		5	32.5	1	2.767158	1.128539
		16		6	64.5	4	1.875304	2.407254
		15.1		7	128.5			
		11					chi-square	13.26734
		11					df	5
		9						
		9						
		9						
		8.5						
		8						
		7						
		6			S	25		
		5			N	345.3		
		5						
		2			S/N		0.072401	
		2			x	0.98239	0.072407	
		2						
		1			a	6.189734		
		1						
		1						
		1						

	Galanta				observed	expected		
	44		1	2.5	6	8.726498	0.851864	
	27		2	4.5	4	3.173967	0.214977	
	16		3	8.5	2	3.151092	0.420493	
	15		4	16.5	7	2.743713	6.602721	
	12		5	32.5	1	1.95603	0.46727	
	11		6	64.5	1	0.976284	0.000576	
	9							
	9					chi-square	8.557902	
	9					df	5	
	7							
	6							
	4							
	3.5							
	3							
	3							
	2			S	21			
	2			N	187			
	1.5					x		
	1			S/N	0.112299	0.96856	0.112303	
	1							
	1			a	6.070125			

Čierna Voda				observed	expected			Devínska Nová Ves
47		1	2.5	6	8.107421	0.547797		1994
35		2	4.5	4	2.96809	0.358762		
20		3	8.5	3	2.972917	0.000247		
16		4	16.5	4	2.63447	0.707798		
14		5	32.5	1	1.943987	0.458394		
9		6	64.5	2	1.03666	0.895207		
9								
7					chi-square	2.968205		
7					df	5		
5								
4								
4								
4								
4								
2								
1			S	20				
1			N	192				
1					x			
1			S/N	0.104167	0.97158	0.104154		
1								
			a	5.616254				

				observed	expected			Devínska Nová Ves
39		1	2.5	10	10.2046	0.004102		1995
24		2	4.5	3	3.636774	0.111495		
23.5		3	8.5	6	3.512276	1.76204		
15		4	16.5	1	2.895588	1.240941		
8		5	32.5	2	1.85547	0.011258		
7		6	64.5	1	0.75574	0.078947		
7		7	128.5					
6.5					chi-square	3.208783		
6					df	5		
6								
4								
4								
3								
2								
2								
2			S	23				
2			N	169				
2								
2			S/N		0.136095			
1			x	0.95919	0.136098			
1								
1			a	7.190327				
1								

				observed	expected			Šenkvice 1
57.5		1	2.5	8	9.162173	0.147415		1995
28		2	4.5	2	3.330267	0.531372		
16		3	8.5	5	3.303355	0.871419		
14.5		4	16.5	5	2.871271	1.578216		
13		5	32.5	1	2.039979	0.53018		
10		6	64.5	1	1.01153	0.000131		
9		7	128.5					
8.5					chi-square	3.658734		
6					df	5		
6								
5								
5								
4								
3								
2								
1			S	22				
1			N	194.5				
1								
1			S/N		0.113111			
1			x	0.96826	0.113098			
1								
1			a	6.375798				

				observed	expected			Šenkvice 1
33		1	2.5	11	9.232487	0.338382		1996
20		2	4.5	3	3.242022	0.018067		
18		3	8.5	1	3.069063	1.394896		
15		4	16.5	2	2.432286	0.076829		
10		5	32.5	2	1.443646	0.214409		
7		6	64.5	1	0.508837	0.474101		
4		7	128.5					
4					chi-square	2.516684		
4					df	5		
2								
2								
2								
2								
2								
1.5								
1			S	20				
1			N	131.5				
1								
1			S/N		0.152091			
1			x	0.95244	0.15209			
			a	6.56644				

				observed	expected			Šenkvice 2
27		1	2.5	12	10.61107	0.181804		1996
22		2	4.5	4	3.656499	0.032269		
20		3	8.5	2	3.374523	0.559876		
14		4	16.5	1	2.543792	0.936906		
8		5	32.5	3	1.37071	1.936651		
6		6	64.5					
3		7	128.5					
3					chi-square	3.647506		
3					df	4		
3								
2.5								
2								
2								
2								
2								
2			S	22				
1.5			N	128.5				
1.5								
1			S/N		0.171206			
1			x	0.9439	0.171207			
1								
1			a	7.637303				

				observed	expected			Šenkvice 2
40		1	2.5	9	8.352178	0.050247		1997
40		2	4.5	2	3.033684	0.352213		
21		3	8.5	2	3.006252	0.336813		
15		4	16.5	4	2.608014	0.74295		
10		5	32.5	1	1.845982	0.387699		
10		6	64.5	2	0.908762	1.310356		
9		7	128.5					
6.5					chi-square	3.180278		
5					df	5		
3								
3								
2								
2								
2								
2								
1			S	20				
1			N	175.5				
1								
1			S/N		0.11396			
1			x	0.96793	0.113971			
			a	5.814764				

				observed	expected			Šamorín1
34		1	2.5	9	8.224763	0.073071		1996
29		2	4.5	1	2.999927	1.333268		38
20		3	8.5	2	2.989735	0.327646		27
19.5		4	16.5	3	2.623068	0.054165		18
19		5	32.5	4	1.898061	2.327715		15
10		6	64.5	1	0.974794	0.000652		11
9.8		7	128.5					8
9.5					chi-square	4.116517		8
7.5					df	5		7
7.5								6
4								5
2								5
2								5
2								5
2								5
2			S	20				4
1			N	183.8				4
1								3
1			S/N		0.108814			3
1			x	0.969865	0.108814			3
								2
			a	5.710911				1
								1
								1
								1
								1

			observed	expected			Šamorín1	
	1	2.5	6	11.02125	2.28767		1997	
	2	4.5	5	3.936311	0.287435		31	
	3	8.5	9	3.812692	7.057522		25	
	4	16.5	2	3.161481	0.426711		17	
	5	32.5	2	2.048774	0.001161		17	
	6	64.5	1	0.852468	0.025533		13	
							9	
				chi-square	10.08603		8	
				df	5		7	
							7	
							5	
							5	
							4	
							4	
							4	
		S	25				4	
		N	187				3	
				x			2	
		S/N	0.13369	0.96018	0.133678		1	
							1	
		a	7.75515				1	
							1	
							1	
							1	

		observed	expected			Šamorín1		
1	2.5	7	10.17063	0.988425		1999		1
2	4.5	5	3.629576	0.517433		36		2
3	8.5	5	3.51175	0.630708		33		3
4	16.5	2	2.905656	0.282282		28		4
5	32.5	4	1.875086	2.408026		28		5
6	64.5					19		6
						11		
			chi-square	4.826874		10		
			df	4		8		
						7		
						6		
						6		
						5		
						5		
						4		
	S	23				4		
	N	171				4		
			x			3		
	S/N	0.134503	0.95981	0.134585		3		
						2		
	a	7.160261				1		
						1		
						1		
						1		
						1		
						1		

	observed	expected			Šamorín1			
2.5	7	10.30485	1.059892		2000		1	2.5
4.5	5	3.756148	0.411903		45		2	4.5
8.5	6	3.740039	1.365607		37		3	8.5
16.5	2	3.275533	0.496709		28		4	16.5
32.5	3	2.361956	0.172357		23		5	32.5
64.5	2	1.204963	0.524568		19		6	64.5
					13			
		chi-square	4.031036		9			
		df	5		7			
					6			
					6			
					6			
					5			
					5			
					5			
S	25				4			S
N	228				3			N
		x			2			
S/N	0.109649	0.96956	0.109634		1			S/N
					1			
a	7.158216				1			a
					1			
					1			
					1			
					1			
					1			
					1			

observed	expected			Šamorín1				observed
10	10.79579	0.05866		2001		1	2.5	7
2	3.927367	0.945861		40		2	4.5	3
7	3.900092	2.463897		39		3	8.5	7
2	3.397662	0.574942		35		4	16.5	2
3	2.424726	0.136485		29		5	32.5	2
2	1.2126	0.511297		24		6	64.5	3
				14				
	chi-square	4.691143		12				
	df	5		8				
				8				
				7				
				7				
				7				
				6				
				5				
26				4			S	24
232				4			N	260
	x			3				
0.112069	0.96865	0.112064		2			S/N	0.092308
				1				
7.508594				1			a	6.448043
				1				
				1				
				1				
				1				

expected			Šamorín2				observed	expected
9.361867	0.595866		1999		1	2.5	10	11.67436
3.458592	0.060807		17		2	4.5	7	3.551198
3.507258	3.478286		12		3	8.5	2	2.77538
3.185162	0.440985		8		4	16.5	1	1.513776
2.46643	0.088207		4		5	32.5		
1.443509	1.678315		4		6	64.5		
			4					
chi-square	6.342466		3					chi-square
df	5		3					df
			3					
			3					
			2					
			2					
			1					
			1					
			1			S	20	
			1			N	73	
x			1					x
0.9758	0.092291		1			S/N	0.273973	0.8893
			1					
			1			a	9.087035	

		Šamorín2				observed	expected	
0.24014		2000		1	2.5	11	11.28048	0.006974
3.349358		14		2	4.5	3	3.192064	0.011556
0.216624		12		3	8.5	4	2.268881	1.320816
0.174376		5		4	16.5			
		5		5	32.5			
		3		6	64.5			
		3						
3.980498		3					chi-square	1.339347
3		1					df	2
		1						
		1						
		1						
		1						
		1						
		1						
		1			S	18		
		1			N	56		
		1					x	
0.273972		1			S/N	0.321429	0.85909	0.321424
					a	9.185254		

	Dunajská Lužná						upper bound	logUB
	1992		S	29			0.5	-0.30103
	72		N	304.5		1	2.5	0.39794
	55					2	4.5	0.653213
	41		priemer	0.625504		3	8.5	0.929419
	29		sm.odch.	0.56851		4	16.5	1.217484
	13		sm.odch2	0.323204		5	32.5	1.511883
	9					6	64.5	1.80956
	9		x0	-0.30103		7	128.5	2.108903
	8		gama	0.37649		8	256.5	2.409087
	8		podľa gamy z tabuliek			9	512.5	2.709694
	7		theta	0.2156		10	1024.5	3.010512
	7					11	viac	viac
	7		ux	0.425744				
	6		Vx	0.508289				observed
	6		z0	-1.0194			0.5	-
	5.5					1	2.5	12
	4		p0	0.154007		2	4.5	2
	4					3	8.5	8
	2		S*	34.27925		4	16.5	3
	2					5	32.5	1
	1					6	64.5	2
	1		lambda	60.2966		7	128.5	1
	1							
	1							
	1							
	1							
	1							
	1							n_clas-3
	1							
	1							

StandUB	sum(exp.sp)		Dunajská Lužná					
-1.0194	5.27925		1993		S	30		
-0.039	16.60644		86		N	348.1		1
0.319056	21.42994		58.5					2
0.706472	26.05404		32.3		priemer	0.697759		3
1.110522	29.70684		27		sm.odch.	0.538853		4
1.523457	32.09147		24.85		sm.odch2	0.290362		5
1.940988	33.38354		15.5					6
2.360857	33.96675		14		x0	-0.30103		7
2.781906	34.18662		13		gama	0.291067		8
3.203547	34.25598		12.25		podľa gamy z tabuliek			9
3.625485	34.27431		9.45		theta	0.0882		10
1000000	34.27925		6					11
			5		ux	0.609665		
expected			5		Vx	0.378349		
5.27925			4.5		z0	-1.48056		
11.32719	0.039963		4					1
4.823501	1.652774		4		p0	0.069361		2
4.6241	2.46463		3					3
3.652799	0.116663		3		S*	32.23593		4
2.38463	0.803982		3					5
1.292068	0.38788		2.75					6
0.583208	0.297862		2.5		lambda	59.82329		7
			2					
			2					
			2					
			1.5					
chi-square	5.763756		1					
df	4		1					
			1					
			1					
			1					

upper bound	logUB	StandUB	sum(exp.sp)			Dunajská Lužná		
0.5	-0.30103	-1.48056	2.23593			1994		S
2.5	0.39794	-0.34421	11.77718			60		N
4.5	0.653213	0.070797	17.02767			53.5		
8.5	0.929419	0.519839	22.51397			46		priemer
16.5	1.217484	0.988161	27.02864			36		sm.odch.
32.5	1.511883	1.466781	29.94016			20.2		sm.odch2
64.5	1.80956	1.950729	31.41248			16		
128.5	2.108903	2.437387	31.99748			15.1		x0
256.5	2.409087	2.925412	32.18048			11		gama
512.5	2.709694	3.414123	32.22562			11		podľa gam
1024.5	3.010512	3.903178	32.2344			9		theta
viac	viac	1000000	32.23593			9		
						9		ux
	observed	expected				8.5		Vx
0.5	-	2.23593				8		z0
2.5	10	9.541246	0.022057			7		
4.5	7	5.250495	0.582949			6		p0
8.5	3	5.486298	1.126748			5		
16.5	5	4.514672	0.052173			5		S*
32.5	3	2.911518	0.002689			2		
64.5	1	1.472319	0.15152			2		
128.5	1	0.585006	0.294389			2		lambda
						1		
						1		
						1		
						1		
		chi-square	2.232525					
	n_clas-3	df	4					

			upper bound	logUB	StandUB	sum(exp.sp)		
25			0.5	-0.30103	-1.93393	0.682132		
345.3		1	2.5	0.39794	-0.7156	6.089754		
		2	4.5	0.653213	-0.27064	10.10161		
0.844653		3	8.5	0.929419	0.210796	14.98493		
0.536379		4	16.5	1.217484	0.712907	19.57103		
0.287703		5	32.5	1.511883	1.226059	22.85483		
		6	64.5	1.80956	1.744923	24.64203		
-0.30103		7	128.5	2.108903	2.266692	25.38154		
0.219187		8	256.5	2.409087	2.789928	25.61443		
y z tabuliek		9	512.5	2.709694	3.313899	25.67032		
0.03157		10	1024.5	3.010512	3.838239	25.68054		
		11	viac	viac	1000000	25.68213		
0.808483								
0.329141				observed	expected			
-1.93393			0.5	-	0.682132			
		1	2.5	7	5.407622	0.468906		
0.026561		2	4.5	0	4.011859	4.011859		
		3	8.5	6	4.883317	0.255355		
25.68213		4	16.5	7	4.586099	1.270561		
		5	32.5	1	3.283801	1.588326		
		6	64.5	4	1.787199	2.739757		
47.88056		7	128.5	0	0	0		
					chi-square	10.33476		
				n_clas-3	df	3		

Galanta						upper bound	logUB	StandUB
44		S	21			0.5	-0.30103	-1.97815
27		N	187		1	2.5	0.39794	-0.57253
16					2	4.5	0.653213	-0.05918
15		priemer	0.711433		3	8.5	0.929419	0.496272
12		sm.odch.	0.467035		4	16.5	1.217484	1.075569
11		sm.odch2	0.218121		5	32.5	1.511883	1.667603
9					6	64.5	1.80956	2.266228
9		x0	-0.30103		7	128.5	2.108903	2.868205
9		gama	0.212784		8	256.5	2.409087	3.471873
7		podľa gamy z tabuliek			9	512.5	2.709694	4.07639
6		theta	0.02844		10	1024.5	3.010512	4.681332
4					11	viac	viac	1000000
3.5		ux	0.682639					
3		Vx	0.247275				observed	expected
3		z0	-1.97815			0.5	-	0.51542
2					1	2.5	6	5.583824
2		p0	0.023956		2	4.5	4	4.150827
1.5					3	8.5	2	4.598773
1		S*	21.51542		4	16.5	7	3.631608
1					5	32.5	1	2.008742
1					6	64.5	1	0.774093
		lambda	46.06815		7	128.5		
								chi-square
							n_clas-3	df

sum(exp.sp)			Čierna Voda					
0.51542			47		S	20		
6.099245			35		N	192		1
10.25007			20					2
14.84884			16		priemer	0.693718		3
18.48045			14		sm.odch.	0.514294		4
20.48919			9		sm.odch2	0.264499		5
21.26329			9					6
21.47101			7		x0	-0.30103		7
21.50986			7		gama	0.267299		8
21.51493			5		podľa gamy z tabuliek			9
21.51539			4		theta	0.06504		10
21.51542			4					11
			4		ux	0.62902		
			4		Vx	0.328857		
			2		z0	-1.62182		
0.031019			1					1
0.005481			1		p0	0.052421		2
1.46857			1					3
3.124253			1		S*	21.10642		4
0.506566			1					5
0.065927								6
					lambda	41.03958		7
5.2018153								

upper bound	logUB	StandUB	sum(exp.sp)			Devínska Nová Ves		
0.5	-0.30103	-1.62182	1.10642			1994		S
2.5	0.39794	-0.40296	7.249847			39		N
4.5	0.653213	0.042187	10.90833			24		
8.5	0.929419	0.523835	14.77035			23.5		priemer
16.5	1.217484	1.026163	17.88964			15		sm.odch.
32.5	1.511883	1.539536	19.80127			8		sm.odch2
64.5	1.80956	2.058624	20.68925			7		
128.5	2.108903	2.580618	21.00234			7		x0
256.5	2.409087	3.104079	21.08628			6.5		gama
512.5	2.709694	3.628276	21.10341			6		podľa gam
1024.5	3.010512	4.152842	21.10607			6		theta
viac	viac	1000000	21.10642			4		
						4		ux
	observed	expected				3		Vx
0.5	-	1.10642				2		z0
2.5	6	6.143427	0.003348			2		
4.5	4	3.658486	0.03188			2		p0
8.5	3	3.862015	0.192405			2		
16.5	4	3.119297	0.248658			2		S*
32.5	1	1.911623	0.434739			2		
64.5	2	0.887982	1.392576			1		
128.5						1		lambda
						1		
						1		
		chi-square	2.303606					
	n_clas-3	df	3					

			upper bound	logUB	StandUB	sum(exp.sp)		
23			0.5	-0.30103	-1.70161	1.069		
169		1	2.5	0.39794	-0.31692	9.041592		
		2	4.5	0.653213	0.18879	13.83657		
0.60732		3	8.5	0.929419	0.735968	18.51207		
0.45818		4	16.5	1.217484	1.306639	21.76638		
0.209929		5	32.5	1.511883	1.889859	23.36165		
		6	64.5	1.80956	2.479571	23.9107		
-0.30103		7	128.5	2.108903	3.072585	24.04346		
0.254428		8	256.5	2.409087	3.667265	24.06605		
y z tabuliek		9	512.5	2.709694	4.262782	24.06876		
0.05439		10	1024.5	3.010512	4.858717	24.06899		
		11	viac	viac	1000000	24.069		
0.557915								
0.254806				observed	expected			
-1.70161			0.5	-	1.069			
		1	2.5	10	7.972591	0.515565		
0.044414		2	4.5	3	4.794981	0.671944		
		3	8.5	6	4.675498	0.375212		
24.069		4	16.5	1	3.254304	1.561589		
		5	32.5	2	1.595277	0.102678		
		6	64.5	1	0.549045	0.37039		
52.5318		7	128.5					
					chi-square	3.597378		
				n_clas-3	df	3		

Devínska Nová Ves						upper bound	logUB	StandUB
1995		S	22			0.5	-0.30103	-1.32915
57.5		N	194.5		1	2.5	0.39794	-0.19729
28					2	4.5	0.653213	0.216085
16		priemer	0.632017		3	8.5	0.929419	0.663354
14.5		sm.odch.	0.525951		4	16.5	1.217484	1.129827
13		sm.odch2	0.276625		5	32.5	1.511883	1.606556
10					6	64.5	1.80956	2.088592
9		x0	-0.30103		7	128.5	2.108903	2.573328
8.5		gama	0.317749		8	256.5	2.409087	3.059425
6		podľa gamy z tabuliek			9	512.5	2.709694	3.546206
6		theta	0.1203		10	1024.5	3.010512	4.03333
5					11	viac	viac	1000000
5		ux	0.519771					
4		Vx	0.381355				observed	expected
3		z0	-1.32915			0.5	-	2.226398
2					1	2.5	8	7.992351
1		p0	0.0919		2	4.5	2	3.966759
1					3	8.5	5	3.898245
1		S*	24.2264		4	16.5	5	3.010785
1					5	32.5	1	1.821797
1					6	64.5	1	0.864973
1		lambda	46.06206		7	128.5		
1								
								chi-square
							n_clas-3	df

sum(exp.sp)			Šenkvice 1					
2.226398			1995		S	20		
10.21875			33		N	131.5		1
14.18551			20					2
18.08375			18		priemer	0.529171		3
21.09454			15		sm.odch.	0.481806		4
22.91633			10		sm.odch2	0.232137		5
23.78131			7					6
24.10439			4		x0	-0.30103		7
24.19953			4		gama	0.336804		8
24.22166			4		podľa gamy z tabuliek			9
24.22573			2		theta	0.1473		10
24.2264			2					11
			2		ux	0.406883		
			2		Vx	0.333661		
			2		z0	-1.22554		
7.32E-06			1.5					1
0.975139			1		p0	0.110186		2
0.311388			1					3
1.314268			1		S*	22.47662		4
0.370706			1					5
0.021079			1					6
					lambda	46.65076		7
2.9925853								

upper bound	logUB	StandUB	sum(exp.sp)			Šenkvice 1		
0.5	-0.30103	-1.22554	2.476616			1996		S
2.5	0.39794	-0.01548	11.09949			27		N
4.5	0.653213	0.426446	14.94939			22		
8.5	0.929419	0.904615	18.36711			20		priemer
16.5	1.217484	1.403313	20.6726			14		sm.odch.
32.5	1.511883	1.912977	21.85007			8		sm.odch2
64.5	1.80956	2.428314	22.30614			6		
128.5	2.108903	2.946537	22.4405			3		x0
256.5	2.409087	3.466216	22.47068			3		gama
512.5	2.709694	3.986626	22.47586			3		podľa gam
1024.5	3.010512	4.507402	22.47654			3		theta
viac	viac	1000000	22.47662			2.5		
						2		ux
	observed	expected				2		Vx
0.5	-	2.476616				2		z0
2.5	11	8.622876	0.655317			2		
4.5	3	3.849898	0.187622			2		p0
8.5	1	3.417719	1.710312			1.5		
16.5	2	2.305492	0.04048			1.5		S*
32.5	2	1.17747	0.574585			1		
64.5	1	0.45607	0.648718			1		
128.5						1		lambda
						1		
		chi-square	3.817033					
	n_clas-3	df	3					

			upper bound	logUB	StandUB	sum(exp.sp)		
22			0.5	-0.30103	-1.41781	1.86437		
128.5		1	2.5	0.39794	-0.04761	11.47912		
		2	4.5	0.653213	0.452809	16.10026		
0.502997		3	8.5	0.929419	0.99426	20.04492		
0.441906		4	16.5	1.217484	1.558958	22.44437		
0.195281		5	32.5	1.511883	2.136074	23.47451		
		6	64.5	1.80956	2.719613	23.78638		
-0.30103		7	128.5	2.108903	3.306421	23.85309		
0.302078		8	256.5	2.409087	3.894876	23.8632		
y z tabuliek		9	512.5	2.709694	4.48416	23.86428		
0.10046		10	1024.5	3.010512	5.073858	23.86437		
		11	viac	viac	1000000	23.86437		
0.422225								
0.260225				observed	expected			
-1.41781			0.5	-	1.86437			
		1	2.5	12	9.614752	0.591737		
0.078124		2	4.5	4	4.621135	0.083488		
		3	8.5	2	3.944665	0.958693		
23.86437		4	16.5	1	2.399443	0.816206		
		5	32.5	3	1.030141	3.766808		
		6	64.5					
54.00323		7	128.5					
					chi-square	6.216932		
				n_clas-3	df	2		

Šenkvice 2						upper bound	logUB	StandUB
1996		S	20			0.5	-0.30103	-1.26787
40		N	175.5		1	2.5	0.39794	-0.15044
40					2	4.5	0.653213	0.257661
21		priemer	0.616346		3	8.5	0.929419	0.699226
15		sm.odch.	0.526533		4	16.5	1.217484	1.15975
10		sm.odch2	0.277237		5	32.5	1.511883	1.6304
10					6	64.5	1.80956	2.10629
9		x0	-0.30103		7	128.5	2.108903	2.584844
6.5		gama	0.329424		8	256.5	2.409087	3.064742
5		podľa gamy z tabuliek			9	512.5	2.709694	3.545316
3		theta	0.1355		10	1024.5	3.010512	4.026227
3					11	viac	viac	1000000
2		ux	0.492042					
2		Vx	0.391271				observed	expected
2		z0	-1.26787			0.5	-	2.282205
2					1	2.5	9	7.526633
1		p0	0.102423		2	4.5	2	3.597599
1					3	8.5	2	3.478903
1		S*	22.2822		4	16.5	4	2.654476
1					5	32.5	1	1.594669
1					6	64.5	2	0.755788
		lambda	42.31875		7	128.5		
								chi-square
							n_clas-3	df

sum(exp.sp)			Šenkvice 2					
2.282205			1997		S	20		
9.808837			34		N	183.8		1
13.40644			29					2
16.88534			20		priemer	0.684499		3
19.53981			19.5		sm.odch.	0.519175		4
21.13448			19		sm.odch2	0.269542		5
21.89027			10					6
22.17366			9.8		x0	-0.30103		7
22.25793			9.5		gama	0.277516		8
22.27783			7.5		podľa gamy z tabuliek			9
22.28157			7.5		theta	0.07507		10
22.2822			4					11
			2		ux	0.610515		
			2		Vx	0.342455		
			2		z0	-1.55767		
0.288417			2					1
0.709452			2		p0	0.059655		2
0.62869			1					3
0.682031			1		S*	21.2688		4
0.221758			1					5
2.048279			1					6
					lambda	40.96655		7
4.5786273								

upper bound	logUB	StandUB	sum(exp.sp)			Šamorín1	1996		
0.5	-0.30103	-1.55767	1.2688				38		S
2.5	0.39794	-0.36325	7.618646				27		N
4.5	0.653213	0.072962	11.25294				18		
8.5	0.929419	0.544951	15.03931				15		priemer
16.5	1.217484	1.037204	18.0823				11		sm.odch.
32.5	1.511883	1.540282	19.95554				8		sm.odch2
64.5	1.80956	2.048959	20.83847				8		
128.5	2.108903	2.560485	21.15764				7		x0
256.5	2.409087	3.073448	21.2463				6		gama
512.5	2.709694	3.587132	21.26524				5		podľa gam
1024.5	3.010512	4.101178	21.26836				5		theta
viac	viac	1000000	21.2688				5		
							5		ux
	observed	expected					5		Vx
0.5	-	1.2688					4		z0
2.5	9	6.349846	1.106061				4		
4.5	1	3.634294	1.90945				3		p0
8.5	2	3.786366	0.842788				3		
16.5	3	3.042995	0.000607				3		S*
32.5	4	1.873239	2.414594				2		
64.5	1	0.882929	0.015523				1		
128.5							1		lambda
							1		
							1		
							1		
		chi-square	6.289024						
	n_clas-3	df	3						

			upper bour	logUB	StandUB	sum(exp.sp)		Šamorín1
25			0.5	-0.30103	-1.99753	0.585492		
187		1	2.5	0.39794	-0.49475	7.94146		
		2	4.5	0.653213	0.054087	13.34456		
0.653788		3	8.5	0.929419	0.64793	18.97126		
0.437909		4	16.5	1.217484	1.267269	22.96222		
0.191764		5	32.5	1.511883	1.900226	24.85115		
		6	64.5	1.80956	2.540229	25.44377		
-0.30103		7	128.5	2.108903	3.183816	25.5669		
0.210342		8	256.5	2.409087	3.829211	25.58385		
y z tabuliek		9	512.5	2.709694	4.475514	25.58539		
0.02695		10	1024.5	3.010512	5.122272	25.58549		
		11	viac	viac	1000000	25.58549		
0.628056								
0.216334				observed	expected			
-1.99753			0.5	-	0.585492			
		1	2.5	6	7.355968	0.249954		
0.022884		2	4.5	5	5.403096	0.030073		
		3	8.5	9	5.626702	2.022346		
25.58549		4	16.5	2	3.990962	0.993226		
		5	32.5	2	1.888926	0.006531		
		6	64.5	1	0.592627	0.280028		
58.42651								
					chi-square	3.582159		
				n_clas-3	df	3		

1997						upper bound	logUB	StandUB
31		S	23			0.5	-0.30103	-1.71394
25		N	171		1	2.5	0.39794	-0.36208
17					2	4.5	0.653213	0.131636
17		priemer	0.634609		3	8.5	0.929419	0.665841
13		sm.odch.	0.470168		4	16.5	1.217484	1.222981
9		sm.odch2	0.221058		5	32.5	1.511883	1.792372
8					6	64.5	1.80956	2.3681
7		x0	-0.30103		7	128.5	2.108903	2.947054
7		gama	0.252517		8	256.5	2.409087	3.527633
5		podľa gamy z tabuliek			9	512.5	2.709694	4.109029
5		theta	0.05286		10	1024.5	3.010512	4.690834
4					11	viac	viac	1000000
4		ux	0.585151					
4		Vx	0.267333				observed	expected
4		z0	-1.71394			0.5	-	1.040212
3					1	2.5	7	7.581716
2		p0	0.04327		2	4.5	5	4.657021
1					3	8.5	5	4.684946
1		S*	24.04021		4	16.5	2	3.415821
1					5	32.5	4	1.782147
1								
1		lambda	51.13107					
1								
								chi-square
							n_clas-3	df

sum(exp.sp)		Šamorín1	1999					
1.040212			36		S	25		
8.621927			33		N	228		1
13.27895			28					2
17.96389			28		priemer	0.682126		3
21.37972			19		sm.odch.	0.504184		4
23.16186			11		sm.odch2	0.254202		5
23.8253			10					6
24.00165			8		x0	-0.30103		7
24.03517			7		gama	0.262987		8
24.03973			6		podľa gamy z tabuliek			9
24.04018			6		theta	0.06163		10
24.04021			5					11
			5		ux	0.621535		
			4		Vx	0.313773		
			4		z0	-1.64698		
0.044633			4					1
0.02526			3		p0	0.049781		2
0.021187			3					3
0.586843			2		S*	26.30972		4
2.760083			1					5
			1					6
			1		lambda	52.18274		
			1					
			1					
			1					
3.4380052								

upper bound	logUB	StandUB	sum(exp.sp)		Šamorín1	2000		
0.5	-0.30103	-1.64698	1.309721			45		S
2.5	0.39794	-0.39917	9.073844			37		N
4.5	0.653213	0.056552	13.74812			28		
8.5	0.929419	0.549642	18.64616			23		priemer
16.5	1.217484	1.063902	22.52936			19		sm.odch.
32.5	1.511883	1.58947	24.83698			13		sm.odch2
64.5	1.80956	2.120888	25.86336			9		
128.5	2.108903	2.655282	26.20548			7		x0
256.5	2.409087	3.191177	26.29108			6		gama
512.5	2.709694	3.727826	26.30718			6		podľa gamy z tab
1024.5	3.010512	4.264853	26.30946			6		theta
viac	viac	1000000	26.30972			5		
						5		ux
	observed	expected				5		Vx
0.5	-	1.309721				4		z0
2.5	7	7.764123	0.075203			3		
4.5	5	4.674277	0.022698			2		p0
8.5	6	4.898038	0.24792			1		
16.5	2	3.883206	0.913282			1		S*
32.5	3	2.307612	0.207748			1		
64.5	2	1.026385	0.923557			1		
						1		lambda
						1		
						1		
						1		
						1		
		chi-square	2.390407					
	n_clas-3	df	3					

			upper bound	logUB	StandUB	sum(exp.sp)		Šamorín1
26			0.5	-0.30103	-1.14488	3.752714		
232		1	2.5	0.39794	-0.09252	13.77973		
		2	4.5	0.653213	0.291813	18.29152		
0.616689		3	8.5	0.929419	0.707664	22.62465		
0.544794		4	16.5	1.217484	1.141369	25.97834		
0.296801		5	32.5	1.511883	1.584611	28.07087		
		6	64.5	1.80956	2.032787	29.12681		
-0.30103		7	128.5	2.108903	2.483473	29.55916		
0.352408		8	256.5	2.409087	2.935425	29.70316		
buliek		9	512.5	2.709694	3.388012	29.74224		
0.1714		10	1024.5	3.010512	3.840918	29.75089		
		11	viac	viac	1000000	29.75271		
0.459392								
0.441155				observed	expected			
-1.14488			0.5	-	3.752714			
		1	2.5	10	10.02702	7.28E-05		
0.12613		2	4.5	2	4.511789	1.398355		
		3	8.5	7	4.333127	1.641357		
29.75271		4	16.5	2	3.353688	0.546405		
		5	32.5	3	2.092535	0.393538		
		6	64.5	2	1.055936	0.844045		
54.61273								
					chi-square	4.823774		
				n_clas-3	df	3		

2001						upper bound	logUB	StandUB
40		S	24			0.5	-0.30103	-1.59129
39		N	260		1	2.5	0.39794	-0.43596
35					2	4.5	0.653213	-0.01402
29		priemer	0.733582		3	8.5	0.929419	0.442515
24		sm.odch.	0.540048		4	16.5	1.217484	0.918656
14		sm.odch2	0.291651		5	32.5	1.511883	1.405267
12					6	64.5	1.80956	1.897294
8		x0	-0.30103		7	128.5	2.108903	2.392077
8		gama	0.272464		8	256.5	2.409087	2.88825
7		podľa gamy z tabuliek			9	512.5	2.709694	3.38512
7		theta	0.06948		10	1024.5	3.010512	3.882341
7					11	viac	viac	1000000
6		ux	0.661698					
5		Vx	0.366024				observed	expected
4		z0	-1.59129			0.5	-	1.417605
4					1	2.5	7	7.006596
3		p0	0.055773		2	4.5	3	4.142391
2					3	8.5	7	4.487139
1		S*	25.41761		4	16.5	2	3.810621
1					5	32.5	2	2.520581
1					6	64.5	3	1.298243
1		lambda	47.06548					
1								
1								
								chi-square
							n_clas-3	df

sum(exp.sp)		Šamorín2	1999					
1.417605			17		S	20		
8.424202			12		N	73		1
12.56659			8					2
17.05373			4		priemer	0.376472		3
20.86435			4		sm.odch.	0.376751		4
23.38493			4		sm.odch2	0.141941		5
24.68318			3					6
25.20469			3		x0	-0.30103		7
25.36837			3		gama	0.309234		8
25.40856			3		podľa gamy z tabuliek			9
25.41629			2		theta	0.10885		10
25.41761			2					11
			1		ux	0.302726		
			1		Vx	0.191904		
			1		z0	-1.37822		
6.21E-06			1					1
0.315049			1		p0	0.084068		2
1.407238			1					3
0.860319			1		S*	21.83567		4
0.107517			1					5
2.230689								6
					lambda	57.95783		
4.9208183								

upper bound	logUB	StandUB	sum(exp.sp)		Šamorín2	2000		
0.5	-0.30103	-1.37822	1.835671			14		S
2.5	0.39794	0.217349	12.7964			12		N
4.5	0.653213	0.800071	17.21012			5		
8.5	0.929419	1.43058	20.17015			5		priemer
16.5	1.217484	2.088159	21.43408			3		sm.odch.
32.5	1.511883	2.760198	21.7726			3		sm.odch2
64.5	1.80956	3.439717	21.82931			3		
128.5	2.108903	4.123042	21.83526			1		x0
256.5	2.409087	4.808286	21.83565			1		gama
512.5	2.709694	5.494494	21.83567			1		podľa gam
1024.5	3.010512	6.181185	21.83567			1		theta
viac	viac	1000000	21.83567			1		
						1		ux
	observed	expected				1		Vx
0.5	-	1.835671				1		z0
2.5	10	10.96073	0.084209			1		
4.5	7	4.41372	1.515466			1		p0
8.5	2	2.96003	0.311368			1		
16.5	1	1.263929	0.055113					S*
32.5								
64.5								
								lambda
		chi-square	1.966156					
	n_clas-3	df	1					

			upper bour	logUB	StandUB	sum(exp.sp)	
18			0.5	-0.30103	-0.66098	6.138791	
56		1	2.5	0.39794	0.649533	17.91105	
		2	4.5	0.653213	1.128148	21.00971	
0.280812		3	8.5	0.929419	1.646013	22.93474	
0.388651		4	16.5	1.217484	2.186112	23.7911	
0.15105		5	32.5	1.511883	2.738088	24.0642	
		6	64.5	1.80956	3.296208	24.12696	
-0.30103		7	128.5	2.108903	3.857453	24.13741	
0.446181		8	256.5	2.409087	4.420274	24.13867	
y z tabuliek		9	512.5	2.709694	4.983888	24.13878	
0.3941		10	1024.5	3.010512	5.547898	24.13879	
		11	viac	viac	1000000	24.13879	
0.051508							
0.284469				observed	expected		
-0.66098			0.5	-	6.138791		
		1	2.5	11	11.77226	0.050661	
0.254312		2	4.5	3	3.098656	0.003141	
		3	8.5	4	1.925025	2.236604	
24.13879		4	16.5				
		5	32.5				
		6	64.5				
62.1091							
					chi-square	2.290406	
				n_clas-3	df	0	

	Dunajská Lužná			observed	expected			Dunajská Lužná
	1992	1	2.5	12	4.672052	11.49363		1993
		2	4.5	2	3.907127	0.930897		
		3	8.5	8	5.986234	0.67743		
		4	16.5	3	7.028696	2.309161		
		5	32.5	1	4.862846	3.068487		
		6	64.5	2	1.192462	0.546866		
		7	128.5	1	0.036945	25.10409		
		8	256.5	0	6.25E-06	6.25E-06		
		9	512.5	0	-0.00067	-0.00067		
		10	1024.5	0				
					chi-square	44.1299		
					df	8 (6)		
			S	29				
			N	304.5				

		observed	expected			Dunajská Lužná		
1	2.5	10	4.432755	6.992088		1994	1	2.5
2	4.5	7	3.769691	2.768104			2	4.5
3	8.5	3	5.921331	1.44126			3	8.5
4	16.5	5	7.308469	0.729158			4	16.5
5	32.5	3	5.586911	1.197819			5	32.5
6	64.5	1	1.669249	0.268321			6	64.5
7	128.5	1	0.078658	10.79196			7	128.5
8	256.5	0	4.73E-05	4.73E-05			8	256.5
9	512.5	0	1.07E-08	1.07E-08			9	512.5
			chi-square	24.18876				
			df	8 (6)				
	S	30						S
	N	348.1						N

observed	expected				Galanta			observed
7	3.145798	4.722133				1	2.5	6
0	2.75078	2.75078				2	4.5	4
6	4.501811	0.498593				3	8.5	2
7	6.024653	0.157901				4	16.5	7
1	5.386903	3.572538				5	32.5	1
4	2.156057	1.577012				6	64.5	1
0	0.174482	0.174482				7	128.5	0
0	0.000352	0.000352				8	256.5	0
0	-6.9E-07	-6.9E-07						
	chi-square	13.45379						
	df	8 (5)						
25							S	21
345.3							N	187

expected			Čierna Voda			observed	expected	
3.859409	1.187262			1	2.5	6	3.440784	1.903515
3.141113	0.234849			2	4.5	4	2.845522	0.468392
4.6173	1.483607			3	8.5	3	4.28273	0.384193
4.969643	0.829507			4	16.5	4	4.831315	0.143043
2.847589	1.198763			5	32.5	1	3.035982	1.365364
0.456523	0.646993			6	64.5	2	0.581176	3.463769
0.004443	0.004443			7	128.5	0	0.008368	0.008368
-5.1E-08	-5.1E-08			8	256.5	0	3.47E-08	3.47E-08
chi-square	5.585423						chi-square	7.736644
df	7 (5)						df	7 (5)
					S	20		
					N	192		

	Devínska Nová Ves			observed	expected			Devínska Nová Ves
	1994	1	2.5	10	4.975035	5.075395		1995
		2	4.5	3	3.866009	0.193991		
		3	8.5	6	5.307977	0.090222		
		4	16.5	1	4.98722	3.187732		
		5	32.5	2	2.188452	0.016228		
		6	64.5	1	0.208676	3.000801		
		7	128.5	0	0.000586	0.000586		
		8	256.5	0	-1.2E-05	-1.2E-05		
		9	512.5	0				
					chi-square	11.56494		
					df	7 (5)		
			S	23				
			N	169				

		observed	expected			Šenkvice 1		
1	2.5	8	4.074366	3.782333		1995	1	2.5
2	4.5	2	3.308208	0.517322			2	4.5
3	8.5	5	4.846856	0.004839			3	8.5
4	16.5	5	5.185898	0.006664			4	16.5
5	32.5	1	2.944608	1.284211			5	32.5
6	64.5	1	0.468105	0.604376			6	64.5
7	128.5	0	0.00465	0.00465			7	128.5
8	256.5	0	3.87E-09	3.87E-09			8	256.5
9	512.5	0					9	512.5
							10	1024.5
			chi-square	6.204395				
			df	7 (5)				
	S	22						S
	N	194.5						N

observed	expected			Šenkvice 1			observed	expected
11	4.711799	8.392012		1996	1	2.5	12	5.702409
3	3.564649	0.089442			2	4.5	4	4.151694
1	4.698203	2.911051			3	8.5	2	5.174068
2	4.049454	1.037241			4	16.5	1	3.994952
2	1.473225	0.188356			5	32.5	3	1.177708
1	0.090702	9.115797			6	64.5	0	0.048111
0	5.44E-05	5.44E-05			7	128.5	0	9.62E-06
0	1.000054	1.000054			8	256.5	0	
0					9	512.5		
0								
	chi-square	22.73401						chi-square
	df	7 (5)						df
20						S	22	
131.5						N	128.5	

		Šenkvice 2			observed	expected		
6.954896		1996	1	2.5	9	3.715208	7.517484	
0.005543			2	4.5	2	3.017321	0.343001	
1.947154			3	8.5	2	4.420196	1.325133	
2.245268			4	16.5	4	4.720733	0.110037	
2.81967			5	32.5	1	2.654248	1.031003	
0.048111			6	64.5	2	0.404861	6.284795	
9.62E-06			7	128.5	0	0.003314	0.003314	
			8	256.5	0	8.32E-06	8.32E-06	
			9	512.5				
14.020656 (4)						chi-square df	16.614787 (5)	
				S	20			
				N	175.5			

Šenkvice 2			observed	expected				
1997	1	2.5	9	3.571977	8.248496			
	2	4.5	1	2.928754	1.270196			
	3	8.5	2	4.351849	1.270999			
	4	16.5	3	4.783471	0.66495			
	5	32.5	4	2.851484	0.462597			
	6	64.5	1	0.490181	0.530243			
	7	128.5	0	0.005422	0.005422			
	8	256.5	0	4.45E-07	4.45E-07			
	9	512.5						
				chi-square	12.4529			
				df	7 (5)			
		S	20					
		N	183.8					

Šamorín1			observed	expected			Šamorín1	
1996	1	2.5	6	5.341835	0.081092		1997	1
	2	4.5	5	4.163202	0.168195			2
	3	8.5	9	5.743715	1.846085			3
	4	16.5	2	5.458507	2.191308			4
	5	32.5	2	2.465715	0.087962			5
	6	64.5	1	0.254653	2.181559			6
	7	128.5	0	0.000974	0.000974			7
	8	256.5	0	-1.2E-09	-1.2E-09			8
				chi-square	6.557176			
				df	7(5)			
		S	25					
		N	187					

	observed	expected			Šamorín1			observed
2.5	7	4.927458	0.871734		1999	1	2.5	7
4.5	5	3.840513	0.35006			2	4.5	5
8.5	5	5.296411	0.016588			3	8.5	6
16.5	2	5.020949	1.817611			4	16.5	2
32.5	4	2.242943	1.376427			5	32.5	3
64.5	0	0.221784	0.221784			6	64.5	2
128.5	0	0.000687	0.000687			7	128.5	0
256.5	0	-5.5E-06	-5.5E-06			8	256.5	0
		chi-square	4.654886					
		df	7 (4)					
S	23						S	25
N	171						N	228

expected			Šamorín1			observed	expected	
4.5274	1.350389		2000	1	2.5	10	4.801863	5.627112
3.692034	0.46337			2	4.5	2	3.895707	0.922478
5.447098	0.056122			3	8.5	7	5.704689	0.294114
5.92139	2.596907			4	16.5	2	6.112163	2.766596
3.495011	0.07011			5	32.5	3	3.511728	0.074569
0.614855	3.120454			6	64.5	2	0.58959	3.37397
0.008542	0.008542			7	128.5	0	0.007547	0.007547
5.68E-08	5.68E-08			8	256.5	0	4.47E-08	4.47E-08
chi-square	7.665894						chi-square	13.06639
df	7 (5)						df	7 (5)
					S	26		
					N	232		

	Šamorín1			observed	expected			Šamorín2
	2001	1	2.5	7	3.741875	2.836913		1999
		2	4.5	3	3.154171	0.007536		
		3	8.5	7	4.887382	0.9132		
		4	16.5	2	5.859372	2.542039		
		5	32.5	2	4.198336	1.151094		
		6	64.5	3	1.078256	3.425067		
		7	128.5	0	0.034034	0.034034		
		8	256.5	0	3.72E-06	3.72E-06		
					chi-square	10.90989		
					df	7 (5)		
			S	24				
			N	260				

		observed	expected			Šamorín2		
1	2.5	10	7.218193	1.072076		2000	1	2.5
2	4.5	7	4.33346	1.640821			2	4.5
3	8.5	2	4.055585	1.041879			3	8.5
4	16.5	1	1.743828	0.317279			4	16.5
5	32.5	0	0.152793	0.152793			5	32.5
6	64.5	0	0.000273	0.000273			6	64.5
			chi-square	4.225121				
			df	5 (3)				
	S	20						S
	N	73						N

observed	expected	
11	7.14939	2.073911
3	3.933795	0.221662
4	3.223977	0.186792
0	1.043329	1.043329
0	0.047316	0.047316
0	6.84E-06	6.84E-06
	chi-square	3.573017
	df	5 (2)
18		
56		