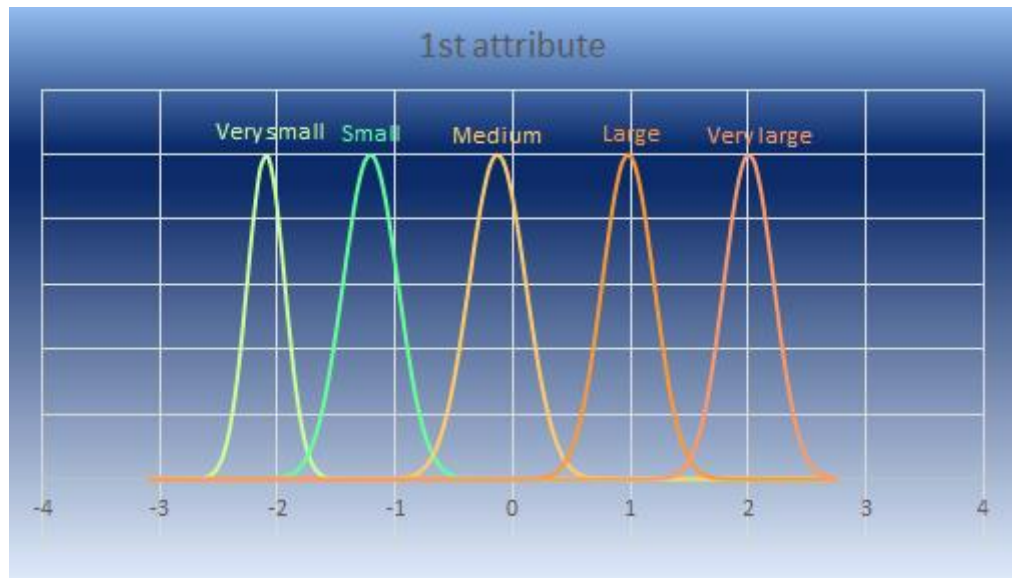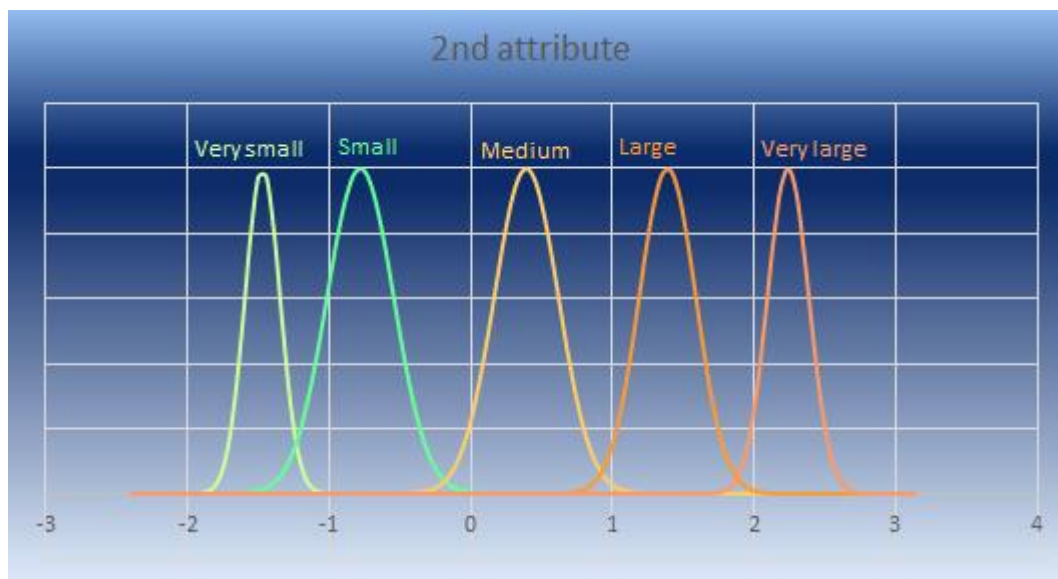# *Lab 11 (11.11.2016)*

Membership function of the 1-st attribute:

Membership function of the 2nd attribute:

Because of table contain a large amount of data, all the data were sorted and table is presented as

<some data>…<maximum in this category(very small/small/medium/large/very large)>

attr1					attr2				
very small	small	medium	large	very large	very small	small	medium	large	very large
avg = -2.10034	avg = -1.21189	avg = -0.13263	avg = 0.97788	avg = 2.00339	avg = -1.46858	avg = -0.77812	avg = 0.39258	avg = 1.38846	avg = 2.23874
std = 0.05071	std = 0.10814	std = 0.11514	std = 0.09661	std = 0.08939	std = 0.03042	std = 0.10991	std = 0.10201	std = 0.07947	std = 0.04251
-3.09	-1.9	-0.729	0.451	1.64	-2.39	-1.27	-0.157	0.959	2.08
-2.98	-1.9	-0.729	0.451	1.64	-2.24	-1.27	-0.157	0.96	2.08
-2.84	-1.9	-0.728	0.452	1.64	-2.2	-1.27	-0.156	0.96	2.09
-2.77	-1.9	-0.726	0.452	1.64	-2.16	-1.27	-0.156	0.96	2.09
-2.6	-1.89	-0.724	0.454	1.64	-2.1	-1.27	-0.155	0.961	2.1
-2.56	-1.89	-0.724	0.455	1.64	-2.09	-1.27	-0.155	0.961	2.1
-2.41	-1.89	-0.724	0.455	1.64	-2.08	-1.27	-0.154	0.961	2.1
-2.37	-1.89	-0.723	0.456	1.65	-2.05	-1.27	-0.154	0.961	2.11
-2.34	-1.88	-0.722	0.457	1.66	-2.05	-1.27	-0.153	0.963	2.11
-2.32	-1.88	-0.721	0.458	1.66	-2.04	-1.27	-0.152	0.963	2.13
-2.28	-1.88	-0.72	0.458	1.66	-1.96	-1.27	-0.151	0.964	2.14
-2.25	-1.87	-0.72	0.459	1.66	-1.93	-1.27	-0.151	0.964	2.15
-2.25	-1.87	-0.719	0.462	1.66	-1.92	-1.27	-0.15	0.965	2.15
-2.19	-1.87	-0.719	0.463	1.66	-1.91	-1.27	-0.149	0.966	2.16
-2.19	-1.87	-0.718	0.463	1.67	-1.9	-1.27	-0.147	0.966	2.18
-2.18	-1.87	-0.717	0.463	1.67	-1.88	-1.27	-0.146	0.966	2.18
-2.17	-1.87	-0.717	0.464	1.67	-1.87	-1.27	-0.146	0.966	2.19
-2.15	-1.87	-0.717	0.465	1.67	-1.85	-1.27	-0.146	0.968	2.19
-2.14	-1.87	-0.717	0.465	1.68	-1.85	-1.27	-0.146	0.968	2.19
-2.14	-1.87	-0.716	0.465	1.68	-1.85	-1.27	-0.146	0.969	2.2
-2.14	-1.86	-0.716	0.466	1.68	-1.83	-1.27	-0.145	0.969	2.21
-2.13	-1.86	-0.715	0.466	1.69	-1.83	-1.27	-0.144	0.969	2.23
-2.13	-1.86	-0.715	0.468	1.7	-1.81	-1.27	-0.144	0.97	2.24
-2.13	-1.86	-0.715	0.469	1.7	-1.81	-1.27	-0.143	0.972	2.28
-2.12	-1.86	-0.714	0.469	1.7	-1.8	-1.27	-0.143	0.972	2.31
-2.11	-1.86	-0.714	0.47	1.7	-1.8	-1.27	-0.142	0.973	2.33
-2.11	-1.85	-0.714	0.47	1.7	-1.79	-1.27	-0.141	0.974	2.35
-2.11	-1.85	-0.712	0.471	1.71	-1.78	-1.27	-0.141	0.975	2.37
-2.1	-1.85	-0.711	0.471	1.71	-1.78	-1.27	-0.14	0.976	2.42
-2.1	-1.85	-0.711	0.471	1.71	-1.78	-1.27	-0.139	0.976	2.47
-2.1	-1.84	-0.711	0.472	1.71	-1.78	-1.26	-0.139	0.976	2.52
-2.09	-1.84	-0.711	0.472	1.71	-1.77	-1.26	-0.135	0.976	3.19
-2.09	-1.84	-0.71	0.472	1.71	-1.77	-1.26	-0.134	0.978	
-2.08	-1.84	-0.71	0.473	1.71	-1.76	-1.26	-0.133	0.978	
-2.07	-1.84	-0.709	0.473	1.71	-1.75	-1.26	-0.133	0.978	
-2.07	-1.84	-0.709	0.475	1.72	-1.74	-1.26	-0.133	0.978	
-2.06	-1.83	-0.707	0.477	1.72	-1.74	-1.26	-0.132	0.979	
-2.06	-1.83	-0.707	0.477	1.72	-1.73	-1.26	-0.132	0.979	
-2.06	-1.83	-0.707	0.477	1.72	-1.73	-1.26	-0.132	0.98	
-2.05	-1.82	-0.706	0.478	1.73	-1.73	-1.26	-0.131	0.98	
-2.05	-1.82	-0.705	0.478	1.73	-1.72	-1.26	-0.131	0.984	
-2.04	-1.82	-0.705	0.479	1.73	-1.72	-1.26	-0.13	0.984	
-2.04	-1.82	-0.704	0.479	1.74	-1.72	-1.26	-0.13	0.984	
-2.04	-1.82	-0.704	0.48	1.74	-1.72	-1.26	-0.129	0.985	
-2.04	-1.82	-0.704	0.48	1.74	-1.71	-1.26	-0.126	0.985	
-2.03	-1.82	-0.702	0.482	1.74	-1.71	-1.26	-0.125	0.986	
-2.03	-1.82	-0.702	0.483	1.75	-1.71	-1.26	-0.124	0.986	
-2.03	-1.81	-0.701	0.484	1.75	-1.71	-1.26	-0.124	0.987	
-2.02	-1.81	-0.7	0.484	1.75	-1.7	-1.26	-0.123	0.987	
-2.01	-1.81	-0.699	0.484	1.76	-1.7	-1.26	-0.122	0.988	
-2.01	-1.81	-0.699	0.484	1.76	-1.7	-1.26	-0.122	0.989	
-2	-1.81	-0.699	0.485	1.77	-1.7	-1.26	-0.121	0.989	
-2	-1.81	-0.698	0.486	1.77	-1.7	-1.26	-0.12	0.989	
-2	-1.8	-0.698	0.486	1.77	-1.69	-1.26	-0.12	0.989	
-2	-1.8	-0.697	0.486	1.77	-1.69	-1.25	-0.12	0.989	
-1.99	-1.8	-0.697	0.487	1.78	-1.69	-1.25	-0.12	0.989	
-1.99	-1.8	-0.696	0.487	1.78	-1.69	-1.25	-0.119	0.99	
-1.98	-1.8	-0.695	0.487	1.78	-1.68	-1.25	-0.119	0.991	
-1.98	-1.8	-0.695	0.488	1.78	-1.67	-1.25	-0.119	0.991	
-1.98	-1.79	-0.693	0.489	1.79	-1.67	-1.25	-0.118	0.992	
-1.98	-1.79	-0.693	0.49	1.79	-1.67	-1.25	-0.118	0.993	
-1.97	-1.79	-0.693	0.491	1.79	-1.67	-1.25	-0.118	0.995	
-1.97	-1.79	-0.692	0.494	1.8	-1.66	-1.25	-0.117	0.995	
-1.97	-1.79	-0.69	0.494	1.8	-1.66	-1.25	-0.117	0.995	
-1.97	-1.78	-0.689	0.495	1.8	-1.66	-1.25	-0.116	0.996	
-1.96	-1.78	-0.688	0.495	1.8	-1.65	-1.25	-0.115	0.996	
-1.96	-1.78	-0.688	0.496	1.8	-1.65	-1.25	-0.115	0.997	
-1.96	-1.78	-0.687	0.496	1.81	-1.65	-1.25	-0.115	0.997	
-1.96	-1.78	-0.687	0.497	1.81	-1.65	-1.25	-0.115	1	
-1.95	-1.78	-0.687	0.497	1.82	-1.65	-1.25	-0.114	1	
-1.95	-1.78	-0.685	0.498	1.82	-1.64	-1.25	-0.114	1	
-1.95	-1.78	-0.685	0.498	1.83	-1.64	-1.25	-0.114	1	
-1.94	-1.78	-0.685	0.499		-1.63	-1.24	-0.113	1	
-1.94	-1.78	-0.683	0.5		-1.63	-1.24	-0.113	1	
-1.94	-1.77	-0.683	0.501		-1.63	-1.24	-0.113	1	
-1.94	-1.77	-0.683	0.501		-1.62		-0.111	1	
-1.94	-1.77	-0.681	0.502		-1.62		-0.111	1.01	
-1.94	-1.77	-0.68	0.504		-1.62		-0.108	1.01	
-1.93	-1.77	-0.68	0.504		-1.62		-0.108	1.01	
-1.93		-0.68	0.505		-1.62		-0.107	1.01	
-1.93		-0.679	0.507				-0.107	1.01	
-1.93		-0.679	0.508				-0.106	1.01	
-1.93		-0.678	0.51				-0.106	1.01	
-1.93		-0.678	0.511				-0.105	1.01	
-1.92		-0.678	0.512				-0.104		
-1.92									
-1.92									
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-1.91	-0.731	0.45	1.63	2.81	-1.28	-0.159	0.958	2.07	