

TABLE 2 - Associations Between Labor Complexes and Discriminant Functions																		David J. Peters		Economic Development Quarterly 2004						
dfa	complex	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	-0.112	-0.515	-0.286	-0.621	-0.643	-1.734	-0.392	-2.518	-1.709	-1.096	-1.283	-1.527	-1.869	-0.953	-1.467	-0.414	-1.203	-0.996	-0.902	-1.015	-0.861	-0.289	-1.517	-1.004	-1.666	
2	-0.421	-0.320	-0.854	-0.785	-0.264	-0.757	-0.883	-1.115	-1.139	0.050	-0.714	-0.832	-1.009	-0.346	-0.559	-0.366	-0.743	-0.544	-0.514	-0.710	-0.784	0.032	-0.997	-0.749	-0.779	
3	-0.295	-0.245	-0.902	-1.344	-0.065	-1.134	-0.772	-0.003	-0.991	0.303	-0.498	-0.450	-0.450	-0.178	-0.297	-0.074	-0.506	0.062	-0.325	-0.708	-0.586	0.221	-0.339	-0.469	-0.063	
4	0.219	0.195	0.921	1.327	-0.053	0.194	-0.442	-0.638	-0.203	0.364	-0.556	-0.728	-0.973	-0.917	-1.129	-0.491	-0.967	-0.750	-0.625	-0.394	-0.848	-0.109	-1.191	-1.066	-1.288	
5	-0.670	4.632	0.323	4.066	1.065	0.347	-1.320	1.068	1.120	1.140	0.438	-1.303	-1.278	-1.508	-1.697	-1.732	-1.126	-1.255	-0.671	-1.007	-1.224	0.037	-1.389	-0.634	-1.423	
6	-0.484	-0.112	0.175	1.545	0.459	2.189	0.262	0.893	1.420	0.918	0.954	-0.456	1.269	1.474	1.645	0.676	1.404	0.894	-0.098	1.598	0.869	0.023	1.846	1.205	0.810	
7	0.661	-3.960	-0.692	2.947	0.316	0.902	-0.702	-0.394	1.794	-0.012	1.121	0.235	0.012	-1.999	-2.026	0.793	-0.715	-0.136	0.168	0.292	-0.528	0.275	-0.320	0.041	-0.136	
8	1.690	0.088	0.693	-2.417	2.566	0.093	-0.632	2.499	3.406	1.190	3.938	-0.644	-0.876	-2.696	-2.827	-0.460	-1.568	-0.826	-0.629	0.038	-0.906	-0.233	-1.044	-0.877	-1.057	
9	-1.910	-0.198	1.818	-0.927	-1.716	2.556	-0.029	-0.117	-3.312	1.418	-3.301	0.481	-0.028	-1.668	-1.150	-0.620	-1.621	-1.032	1.058	2.140	0.700	0.458	-1.492	-1.572	-0.134	
10	0.661	-0.738	0.087	0.019	0.898	0.549	-0.502	-0.085	0.971	0.097	0.913	-0.844	-1.662	4.184	3.899	-1.711	-0.831	-3.516	-0.564	-0.037	0.469	-0.115	-3.497	-1.993	-2.675	
11	0.554	-1.072	1.160	0.472	-1.108	-0.353	-0.554	-1.025	-0.352	-0.357	-0.850	0.718	0.425	-0.003	0.140	0.712	0.590	0.545	0.459	-1.570	-0.105	0.428	0.952	0.584	0.781	
12	-0.670	0.325	-2.273	-0.014	0.240	-0.215	0.716	0.187	0.294	-0.004	0.463	1.939	0.134	-0.728	0.552	-0.523	-1.032	-1.386	3.846	1.565	4.173	2.044	-0.992	-0.730	2.224	
13	-1.408	0.043	2.330	-0.230	1.229	-0.581	-0.220	0.513	-0.125	-0.287	0.701	0.444	-0.071	-0.023	0.208	0.276	0.058	0.373	1.269	0.491	1.466	1.325	0.788	0.099	1.331	
14	4.584	0.568	-0.371	-0.171	-2.634	0.289	0.840	-1.046	0.645	0.289	-0.221	0.115	0.055	-0.082	0.041	-0.402	0.220	0.079	0.745	0.841	0.683	0.208	0.385	0.363	0.467	
15	-1.113	0.134	-1.020	-0.413	-0.619	-0.132	-1.730	-1.798	0.365	-0.098	0.734	-0.560	-0.402	0.393	0.323	0.176	0.830	1.648	0.006	-0.054	-0.190	0.297	1.136	0.216	0.718	
16	-1.782	0.196	0.434	-0.166	-3.977	-0.369	0.692	1.440	1.158	0.903	2.074	0.502	0.424	0.397	0.260	0.251	0.095	-0.042	0.062	-0.139	-0.984	-0.687	-0.171	-0.110	0.140	
17	-0.424	-0.039	0.105	0.057	-0.186	0.741	0.001	-0.112	0.045	-0.338	0.216	-1.642	0.440	0.249	-0.095	-0.351	-0.154	0.743	-2.413	0.560	0.911	-0.385	0.199	-0.544	-1.185	
18	-0.057	-0.126	-0.969	-0.155	0.133	0.375	0.827	-0.937	-0.310	-1.101	0.063	-0.500	0.033	0.255	0.237	0.089	0.258	1.839	-0.395	0.931	0.476	-0.987	0.296	-0.757	0.579	
19	0.318	0.118	0.041	-0.308	-0.640	-0.228	-1.289	-0.134	0.039	0.550	-0.043	-1.417	-0.640	0.030	0.334	0.836	1.083	-0.057	-1.831	-1.122	0.933	3.619	1.218	1.369	-0.654	
20	1.038	0.013	0.626	-0.038	0.355	0.172	0.765	-0.168	-0.518	-0.430	-0.423	-0.971	0.648	0.197	0.134	-1.399	-1.108	1.396	-0.971	0.645	1.277	-0.172	0.031	-1.201	-0.265	
21	-0.434	0.072	-0.362	-0.106	0.089	-0.719	1.026	0.214	0.275	1.044	-0.270	-0.862	-0.974	-0.171	-0.491	3.250	3.102	-1.169	-0.325	0.092	1.903	-3.206	0.789	1.835	-1.388	
22	-0.778	0.094	-1.192	-0.187	0.356	-0.195	-0.101	1.591	-0.907	0.740	-0.188	0.363	1.472	0.272	0.192	-1.580	-1.846	1.428	-0.730	-1.229	0.805	-0.992	-0.304	-1.597	0.073	
23	-0.317	0.063	-1.013	-0.064	0.110	-0.077	0.234	-0.583	-0.412	-0.036	0.056	0.185	-0.792	0.444	0.340	-0.276	-0.216	0.754	1.719	-0.210	-1.181	0.614	0.585	0.056	1.360	
24	0.723	0.070	0.507	-0.056	0.210	0.348	-0.278	-0.346	0.076	0.593	0.057	0.702	-0.309	0.342	0.238	0.393	0.258	1.301	1.931	-2.138	-0.233	-2.049	0.094	-0.799	0.994	
25	0.001	0.031	-0.624	-0.275	0.025	1.431	1.254	0.025	-0.217	0.127	-0.250	1.146	3.086	0.050	0.251	-1.067	-0.774	-1.128	-0.261	0.583	-0.730	-1.256	0.522	0.824	0.369	
26	0.250	0.135	-1.261	-0.255	0.272	-0.649	-0.497	-0.244	-0.388	-3.188	-0.127	-0.561	-0.594	0.371	-0.084	-0.104	0.680	0.045	0.415	-0.049	-0.392	-0.326	1.155	1.999	0.094	
27	-0.018	-0.090	1.330	-0.092	0.198	-0.862	-2.082	0.672	0.020	0.796	-0.573	-0.472	-0.688	0.343	0.142	-2.342	-1.310	0.182	0.375	0.045	-0.117	-0.659	1.654	2.352	-0.048	
28	0.092	0.003	1.131	-0.039	0.320	-2.219	3.109	-0.331	0.068	0.007	-0.134	-0.057	0.222	0.246	0.295	-0.246	-0.255	0.424	0.022	0.617	-0.617	0.250	0.530	0.152	-0.073	
29	0.485	0.138	1.156	-0.032	0.122	-0.915	-1.321	1.107	-0.734	0.696	-0.391	1.655	1.545	0.151	0.296	2.137	1.151	-0.090	-0.527	0.847	-0.443	0.040	-0.554	-1.087	1.094	
30	-0.215	0.075	0.758	-0.157	0.314	1.112	1.185	-1.174	-0.182	-2.571	-0.287	-1.496	-1.026	0.177	0.245	1.177	1.560	0.837	0.381	1.327	-0.792	0.127	-0.088	-0.933	-0.217	
31	-0.106	0.044	2.205	-0.238	0.308	0.492	-0.333	-0.114	0.048	0.405	0.102	0.298	0.573	0.164	0.243	0.090	0.319	-0.558	0.042	0.465	-0.308	-0.096	0.092	1.065	1.083	
32	0.048	0.044	-0.891	-0.103	0.279	0.913	0.601	-0.346	-0.130	-1.105	-0.304	-0.525	-0.141	0.125	0.190	0.208	0.708	-1.295	0.320	-0.700	-0.672	0.305	-0.015	0.145	1.604	
33	0.079	0.143	-0.514	-0.246	0.382	0.935	-0.514	-0.749	-0.127	-1.512	-0.046	0.467	1.602	0.130	0.218	0.602	1.100	0.458	-0.077	-0.771	-0.040	0.142	0.389	0.297	-0.263	
34	-0.006	0.059	-1.539	-0.113	0.294	-0.235	0.241	0.098	0.291	0.224	-0.099	0.799	0.355	0.063	0.382	-0.241	0.160	0.313	-0.437	2.532	-0.627	0.021	0.379	0.903	0.234	
35	-0.362	-0.032	0.109	-0.062	0.197	-0.591	1.476	-0.978	0.024	-1.559	-0.080	0.715	1.914	0.063	0.116	0.005	0.713	0.021	-0.279	-1.271	-0.097	0.523	0.368	0.895	-0.137	
36	0.304	0.091	0.009	-0.121	0.271	-0.001	1.723	0.734	0.295	0.668	-0.264	-0.183	0.467	0.157	0.056	0.163	0.299	0.181	0.160	-1.301	-0.220	0.198	0.390	0.173	-0.365	
37	-0.003	0.063	-0.002	-0.123	0.195	0.772	0.515	-0.235	-0.039	0.503	-0.167	3.283	-1.125	0.169	0.161	0.183	0.365	0.245	-0.163	-0.196	-0.237	0.181	0.671	0.187	-1.645	
38	0.093	0.046	-0.480	-0.062	0.241	-2.598	-0.198	0.420	-0.247	0.523	-0.170	0.792	0.223	0.250	0.167	0.792	0.409	0.148	0.001	0.033	-0.239	-0.001	-0.204	0.057	0.367	
39	-0.247	-0.070	-0.264	-0.234	0.162	-0.471	0.471	0.812	-0.055	0.506	-0.204	0.324	-0.174	0.169	0.230	0.508	0.115	0.048	0.026	-0.323	-0.235	0.135	0.601	0.005	0.230	
40	-0.031	0.006	-0.234	-0.166	0.163	0.330	-0.413	0.636	0.117	0.986	-0.205	0.215	0.206	0.210	0.172	0.565	0.332	0.595	0.038	-0.558	-0.291	0.079	-1.065	0.908	0.175	
41	0.062	0.028	-0.176	-0.113	0.137	0.296	-0.733	2.281	-0.373	-1.346	-0.184	0.650	-0.019	0.199	0.118	0.517	0.167	0.220	-0.307	-0.141	-0.180	-0.019	0.108	0.393	0.736	

SOURCE: Occupational Employment Statistics, US Bureau of Labor Statistics.  
ANALYSIS: David J. Peters, OSEDA, University of Missouri-Columbia.

TABLE 2 - Associations Between Labor Complexes and Discriminant Functions																	David J. Peters		Economic Development Quarterly 2004						
dfa	complex	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
1	-0.858	-1.029	-1.373	-1.898	-0.784	0.203	-1.605	-0.629	0.017	-1.006	-2.396	-1.572	-1.101	-1.130	-2.175	-1.336	-1.312	-1.645	-0.136	0.227	2.637	-0.476	6.240	-0.347	
2	-0.404	-0.400	-0.316	-1.503	-0.523	-0.193	-0.590	-0.112	-0.315	-0.344	-1.272	-0.838	-0.722	-0.732	-0.576	0.007	-0.718	-1.227	-0.084	6.072	-0.422	-0.713	-0.283	1.329	
3	0.138	-0.124	1.195	-0.984	-0.301	0.032	0.252	-0.435	-0.295	-1.052	-0.538	-0.535	-0.349	-0.440	-0.711	0.120	-0.849	-1.545	-0.554	-1.577	-0.680	-1.210	-0.074	6.064	
4	-0.885	-0.120	-0.587	-1.431	-0.178	-1.883	-1.132	-0.037	-0.071	-0.043	-1.149	-1.231	-1.114	-0.756	0.812	-0.028	0.260	3.334	2.113	-0.133	5.498	1.562	-0.398	-0.017	
5	-1.187	0.001	0.201	-0.885	-0.085	-0.346	-0.811	0.153	-0.387	0.383	-0.055	0.950	0.914	1.524	0.616	0.143	0.156	1.825	0.615	-0.111	-0.812	0.454	-0.112	-0.121	
6	0.861	-0.161	1.500	1.555	-0.277	0.303	0.437	1.166	0.749	1.014	-1.731	-5.258	-5.427	-4.171	-1.160	1.560	0.245	-0.434	0.424	-0.138	-0.440	0.315	-0.143	-0.190	
7	-0.497	0.767	0.587	-0.190	0.216	-0.588	-0.210	0.860	-0.050	1.275	0.387	1.153	1.313	0.356	-0.251	0.640	0.699	-0.542	-1.319	-0.124	-0.303	-1.114	-0.144	-0.164	
8	-0.821	0.251	-0.181	0.798	0.229	1.020	2.068	0.600	0.175	0.287	0.248	-0.182	-0.943	0.247	0.849	0.851	0.481	0.790	1.191	-0.138	-0.298	0.827	-0.148	-0.226	
9	-1.382	1.168	-0.553	1.243	0.281	-0.088	-0.571	2.934	2.019	2.549	1.313	0.142	0.011	-0.093	0.373	2.756	2.369	-0.269	1.043	-0.151	-0.436	2.089	-0.147	-0.198	
10	-2.481	0.250	-1.420	-0.775	-0.252	-0.317	-0.168	0.550	0.121	0.755	0.304	0.653	0.725	0.781	0.841	0.615	0.649	0.437	0.550	-0.131	-0.267	0.595	-0.139	-0.173	
11	0.328	0.685	0.479	-0.461	-1.001	2.240	-0.265	-2.618	-1.140	-2.363	-0.167	0.003	-0.020	-0.637	2.985	-2.066	-1.474	2.489	3.203	-0.121	-0.533	2.530	-0.135	-0.177	
12	-1.182	0.378	-0.072	1.435	0.422	0.957	0.050	-1.121	0.305	-1.522	0.643	0.018	0.276	0.004	-1.043	-0.669	-1.254	0.085	1.045	-0.119	-0.011	-2.457	-0.156	-0.201	
13	-0.101	-0.015	0.324	-1.010	-0.887	-3.236	0.110	-0.934	-0.609	-0.507	-0.474	0.627	0.259	-0.520	0.693	-1.661	-0.917	-1.953	-2.281	-0.117	-0.175	2.790	-0.146	-0.187	
14	-0.081	0.216	0.122	0.234	-0.940	-1.444	-0.505	0.222	0.482	-0.381	0.316	-0.542	-0.382	1.145	1.513	0.503	0.523	0.182	-1.639	-0.119	-0.197	-0.429	-0.145	-0.187	
15	1.044	-0.792	0.168	-0.214	-4.539	-0.844	0.944	0.940	0.158	1.268	-1.433	0.933	0.908	-0.011	0.051	0.135	1.151	0.028	1.414	-0.133	-0.136	-1.440	-0.149	-0.206	
16	0.013	1.368	-0.257	-0.350	1.335	0.183	0.509	0.115	-1.080	-0.667	1.227	0.670	0.272	-0.333	-0.872	0.140	-0.070	-0.652	-0.305	-0.123	-0.088	0.216	-0.152	-0.195	
17	1.209	-0.663	0.898	2.328	-0.213	0.892	0.301	-0.784	4.393	-2.211	0.100	0.676	0.680	0.418	-0.459	0.016	-0.624	-0.253	-0.822	-0.117	-0.082	0.388	-0.158	-0.195	
18	1.510	-2.506	-0.673	-1.278	3.008	-2.604	0.019	0.462	-0.181	-0.364	-1.209	0.136	0.386	0.680	0.784	0.662	-0.438	0.560	1.718	-0.123	-0.311	-0.461	-0.138	-0.189	
19	0.104	-1.180	0.552	0.234	1.586	0.723	-0.131	-1.042	-0.295	2.407	-0.098	0.128	0.327	0.104	-0.346	-1.667	0.784	-0.002	-0.154	-0.124	-0.111	-0.115	-0.153	-0.189	
20	1.530	0.259	0.435	-0.953	-0.553	1.158	0.073	0.740	-2.780	-0.326	0.253	0.415	0.444	1.123	-2.392	1.109	-0.762	-0.462	-0.077	-0.125	-0.109	0.899	-0.159	-0.199	
21	-0.053	-0.953	-0.668	0.402	-0.184	0.695	0.146	0.664	-0.977	0.208	0.619	0.265	0.216	0.314	0.585	-0.271	0.269	-0.092	-0.587	-0.121	-0.103	-0.021	-0.152	-0.179	
22	1.477	1.984	0.072	-0.333	0.387	0.755	0.237	-0.310	-0.508	1.176	0.674	-0.210	-0.140	-0.265	2.418	-0.697	0.013	0.099	-1.324	-0.122	-0.071	-1.052	-0.145	-0.198	
23	-0.574	-3.264	-0.202	-0.041	0.326	2.049	0.296	0.982	-0.130	-0.107	-1.101	-0.119	0.399	0.245	0.914	1.374	-0.768	-0.377	-1.424	-0.125	-0.030	0.504	-0.154	-0.195	
24	0.088	0.016	-1.386	-0.810	0.420	0.405	-0.827	-1.297	1.426	1.338	0.178	-0.020	0.102	0.890	-1.584	-1.751	1.098	-0.303	0.066	-0.121	-0.151	0.440	-0.155	-0.179	
25	-0.834	-1.460	3.305	0.993	-0.142	-0.307	0.641	-1.342	-0.417	0.766	-0.038	0.265	0.332	0.230	-0.361	-0.786	-0.485	-0.006	-0.043	-0.121	-0.134	-0.051	-0.149	-0.195	
26	-0.177	2.417	0.899	-0.671	0.493	-0.053	-0.367	0.463	0.710	0.819	-0.645	0.329	0.462	-0.138	-0.220	0.683	-3.203	-0.318	0.114	-0.126	-0.119	0.224	-0.152	-0.198	
27	-0.505	0.240	-0.662	1.114	0.596	-0.113	2.367	-0.208	-0.301	-0.762	-0.201	0.585	0.058	0.065	-0.177	0.055	1.258	0.133	-0.196	-0.122	-0.135	-0.737	-0.151	-0.196	
28	-0.306	0.020	0.588	0.771	0.121	0.214	-0.826	2.226	0.271	-0.121	1.342	0.090	0.097	0.156	0.082	-2.063	-0.107	-0.445	0.207	-0.121	-0.145	-0.571	-0.153	-0.189	
29	-0.069	0.088	-1.271	-0.072	0.195	0.185	2.328	0.338	0.128	0.161	-1.594	0.795	0.235	-0.648	-0.260	-0.309	-1.332	0.385	-0.328	-0.124	-0.145	-0.558	-0.152	-0.194	
30	-0.754	0.773	0.821	0.992	0.176	0.151	0.886	-1.550	-0.525	-0.068	0.974	0.194	-0.011	0.598	0.181	0.159	0.433	-0.088	-0.349	-0.122	-0.126	-0.751	-0.150	-0.196	
31	1.698	-0.045	-0.127	-0.815	0.112	0.354	-3.093	-0.594	-0.029	-0.044	-0.207	0.044	0.309	0.159	0.236	0.803	-0.120	-0.109	-0.194	-0.123	-0.125	-0.971	-0.151	-0.192	
32	2.990	0.515	-0.005	0.394	0.247	-0.023	1.487	0.622	-0.105	-0.470	0.220	0.155	0.114	0.316	-0.139	-0.696	0.959	-0.349	-0.204	-0.123	-0.126	0.112	-0.150	-0.194	
33	-1.235	0.764	0.450	-0.683	0.427	0.156	-1.062	0.896	-0.239	-0.991	-1.478	0.246	0.419	-0.675	-0.119	-0.164	1.873	0.025	-0.308	-0.123	-0.137	-0.117	-0.150	-0.193	
34	0.265	0.310	-2.337	0.444	-0.011	0.182	-0.932	-0.705	-0.174	0.046	0.777	0.221	0.230	-0.270	-0.176	-0.530	0.653	0.225	-0.274	-0.122	-0.148	0.362	-0.150	-0.181	
35	-0.327	0.118	-1.864	-0.081	-0.133	-0.097	0.667	-0.356	0.119	-0.064	0.717	-0.425	-0.190	2.103	0.008	0.771	-0.079	-0.239	-0.098	-0.122	-0.141	-0.175	-0.150	-0.187	
36	0.219	-0.175	-0.812	0.619	-0.007	-0.262	0.211	-0.527	-0.054	-0.059	1.828	0.387	0.574	-2.306	-0.176	0.815	-0.112	-0.118	-0.063	-0.123	-0.150	-0.238	-0.150	-0.192	
37	0.658	0.162	0.322	0.164	0.119	0.007	0.193	-0.044	-0.093	-0.205	0.082	0.122	0.121	0.297	-0.065	0.007	-0.084	-0.410	-0.130	-0.123	-0.135	-0.247	-0.150	-0.193	
38	0.448	0.221	1.313	0.477	0.225	-0.018	-0.165	-0.635	0.039	-0.106	0.400	0.031	0.153	0.273	-0.051	0.840	1.101	-0.663	0.027	-0.122	-0.132	0.096	-0.150	-0.198	
39	0.172	0.110	0.416	-0.367	0.008	-0.232	-0.333	0.010	0.012	-0.188	0.579	0.358	-0.040	0.396	-0.445	0.154	0.060	2.191	-0.578	-0.122	-0.193	-0.153	-0.148	-0.194	
40	0.137	0.098	-0.016	2.358	0.089	-0.216	-0.522	0.190	-0.346	-0.208	0.386	0.138	0.087	0.473	-0.128	-0.121	-0.378	0.067	-0.182	-0.123	-0.143	-0.117	-0.150	-0.193	
41	-0.177	-0.295	0.133	-0.750	-0.006	-0.001	-0.103	0.147	-0.024	-0.273	2.217	0.199	0.012	0.227	-0.057	-0.103	0.053	-0.353	-0.076	-0.123	-0.133	-0.230	-0.150	-0.195	

SOURCE: Occupational Employment Statistics, US Bureau of Labor Statistics.  
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