

The SAS System

The CORRESP Procedure

Contingency Table					
	few_hours_a_day	less_than_an_hour_a_day	most_of_the_day	no_time_at_all	Sum
college_or_bachelor_degree	155	25	32	0	212
currently_a_primary_school_pupil	5	4	1	0	10
doctorate_degree	4	1	0	0	5
masters_degree	51	17	11	2	81
primary_school	62	8	10	0	80
secondary_school	466	84	70	1	621
Sum	743	139	124	3	1009

Chi-Square Statistic Expected Values				
	few_hours_a_day	less_than_an_hour_a_day	most_of_the_day	no_time_at_all
college_or_bachelor_degree	156.111	29.205	26.054	0.630
currently_a_primary_school_pupil	7.364	1.378	1.229	0.030
doctorate_degree	3.682	0.689	0.614	0.015
masters_degree	59.646	11.159	9.954	0.241
primary_school	58.910	11.021	9.832	0.238
secondary_school	457.287	85.549	76.317	1.846

Observed Minus Expected Values				
	few_hours_a_day	less_than_an_hour_a_day	most_of_the_day	no_time_at_all
college_or_bachelor_degree	-1.11100	-4.20515	5.94648	-0.63033
currently_a_primary_school_pupil	-2.36373	2.62240	-0.22894	-0.02973
doctorate_degree	0.31814	0.31120	-0.61447	-0.01487
masters_degree	-8.64618	5.84143	1.04559	1.75917
primary_school	3.09019	-3.02081	0.16848	-0.23786
secondary_school	8.71259	-1.54906	-6.31715	-0.84638

Contributions to the Total Chi-Square Statistic					
	few_hours_a_day	less_than_an_hour_a_day	most_of_the_day	no_time_at_all	Sum
college_or_bachelor_degree	0.0079	0.6055	1.3572	0.6303	2.6010
currently_a_primary_school_pupil	0.7587	4.9920	0.0426	0.0297	5.8231
doctorate_degree	0.0275	0.1406	0.6145	0.0149	0.7974
masters_degree	1.2533	3.0579	0.1098	12.8499	17.2710
primary_school	0.1621	0.8280	0.0029	0.2379	1.2309
secondary_school	0.1660	0.0280	0.5229	0.3880	1.1049
Sum	2.3756	9.6521	2.6500	14.1507	28.8283

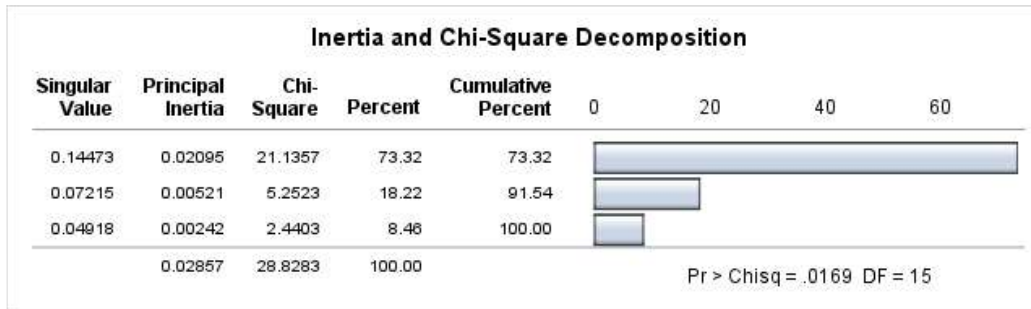
Row Profiles				
	few_hours_a_day	less_than_an_hour_a_day	most_of_the_day	no_time_at_all
college_or_bachelor_degree	0.731132	0.117925	0.150943	0.000000
currently_a_primary_school_pupil	0.500000	0.400000	0.100000	0.000000

doctorate_degree	0.800000	0.200000	0.000000	0.000000
masters_degree	0.629630	0.209877	0.135802	0.024691
primary_school	0.775000	0.100000	0.125000	0.000000
secondary_school	0.750403	0.135266	0.112721	0.001610

Column Profiles				
	few_hours_a_day	less_than_an_hour_a_day	most_of_the_day	no_time_at_all
college_or_bachelor_degree	0.208614	0.179856	0.258065	0.000000
currently_a_primary_school_pupil	0.006729	0.028777	0.008065	0.000000
doctorate_degree	0.005384	0.007194	0.000000	0.000000
masters_degree	0.068641	0.122302	0.088710	0.666667
primary_school	0.083445	0.057554	0.080645	0.000000
secondary_school	0.627187	0.604317	0.564516	0.333333

The SAS System

The CORRESP Procedure



Row Coordinates		
	Dim1	Dim2
college_or_bachelor_degree	-0.0692	0.0404
currently_a_primary_school_pupil	0.4462	-0.5823
doctorate_degree	0.0275	-0.2903
masters_degree	0.4527	0.0904
primary_school	-0.1134	0.0479
secondary_school	-0.0282	-0.0200

Summary Statistics for the Row Points			
	Quality	Mass	Inertia
college_or_bachelor_degree	0.5236	0.2101	0.0902
currently_a_primary_school_pupil	0.9241	0.0099	0.2020
doctorate_degree	0.5332	0.0050	0.0277
masters_degree	0.9996	0.0803	0.5991
primary_school	0.9848	0.0793	0.0427
secondary_school	0.6733	0.6155	0.0383

Partial Contributions to Inertia for the Row Points		
	Dim1	Dim2
college_or_bachelor_degree	0.0481	0.0659
currently_a_primary_school_pupil	0.0942	0.6455
doctorate_degree	0.0002	0.0802
masters_degree	0.7855	0.1259
primary_school	0.0487	0.0350
secondary_school	0.0234	0.0475

Indices of the Coordinates That Contribute Most to Inertia for the Row Points			
	Dim1	Dim2	Best
college_or_bachelor_degree	0	0	2
currently_a_primary_school_pupil	2	2	2
doctorate_degree	0	2	2
masters_degree	1	1	1

primary_school	0	0	1
secondary_school	0	0	2

Squared Cosines for the Row Points		
	Dim1	Dim2
college_or_bachelor_degree	0.3905	0.1330
currently_a_primary_school_pupil	0.3418	0.5822
doctorate_degree	0.0047	0.5285
masters_degree	0.9613	0.0383
primary_school	0.8356	0.1492
secondary_school	0.4476	0.2257

Column Coordinates		
	Dim1	Dim2
few_hours_a_day	-0.0510	0.0080
less_than_an_hour_a_day	0.2237	-0.1369
most_of_the_day	0.0057	0.0873
no_time_at_all	2.0204	0.7425

Summary Statistics for the Column Points			
	Quality	Mass	Inertia
few_hours_a_day	0.8324	0.7364	0.0824
less_than_an_hour_a_day	0.9906	0.1378	0.3348
most_of_the_day	0.3582	0.1229	0.0919
no_time_at_all	0.9823	0.0030	0.4909

Partial Contributions to Inertia for the Column Points		
	Dim1	Dim2
few_hours_a_day	0.0913	0.0092
less_than_an_hour_a_day	0.3291	0.4960
most_of_the_day	0.0002	0.1800
no_time_at_all	0.5794	0.3149

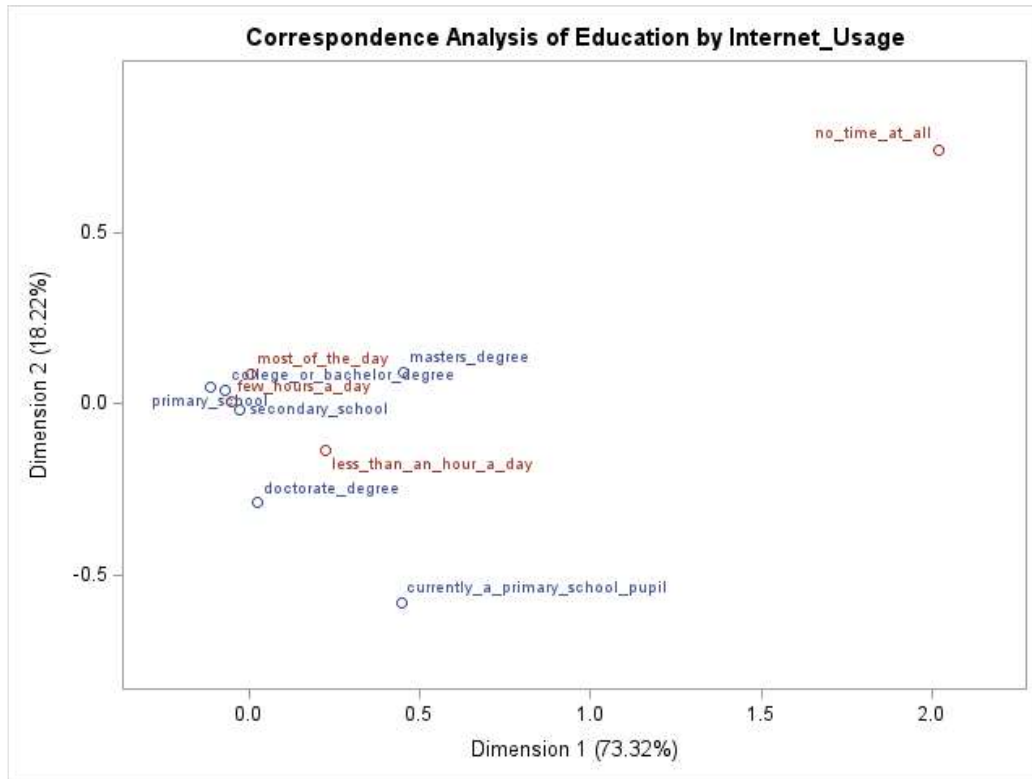
Indices of the Coordinates That Contribute Most to Inertia for the Column Points			
	Dim1	Dim2	Best
few_hours_a_day	0	0	1
less_than_an_hour_a_day	2	2	2
most_of_the_day	0	0	2
no_time_at_all	1	1	1

Squared Cosines for the Column Points		
	Dim1	Dim2
few_hours_a_day	0.8121	0.0202
less_than_an_hour_a_day	0.7207	0.2699
most_of_the_day	0.0015	0.3567

no_time_at_all	0.8654	0.1169
----------------	--------	--------

The SAS System

The CORRESP Procedure



The SAS System

The FREQ Procedure

Table of Education by Internet_Usage						
Education	Internet_Usage	Frequency	Std Residual	Percent	Row Percent	Column Percent
currently_a_primary_school_pupil	no_time_at_all	0	-0.1735	0.00	0.00	0.00
	less_than_an_hour_a_day	4	2.4182	0.40	40.00	2.88
	few_hours_a_day	5	-1.7050	0.50	50.00	0.67
	most_of_the_day	1	-0.2216	0.10	10.00	0.81
	Total	10		0.99	100.00	
primary_school	no_time_at_all	0	-0.5090	0.00	0.00	0.00
	less_than_an_hour_a_day	8	-1.0213	0.79	10.00	5.76
	few_hours_a_day	62	0.8172	6.14	77.50	8.34
	most_of_the_day	10	0.0598	0.99	12.50	8.06
	Total	80		7.93	100.00	
secondary_school	no_time_at_all	1	-1.0060	0.10	0.16	33.33
	less_than_an_hour_a_day	84	-0.2909	8.33	13.53	60.43
	few_hours_a_day	466	1.2796	46.18	75.04	62.72
	most_of_the_day	70	-1.2451	6.94	11.27	56.45
	Total	621		61.55	100.00	
college_or_bachelor_degree	no_time_at_all	0	-0.8946	0.00	0.00	0.00
	less_than_an_hour_a_day	25	-0.9429	2.48	11.79	17.99
	few_hours_a_day	155	-0.1949	15.36	73.11	20.86
	most_of_the_day	32	1.3996	3.17	15.09	25.81
	Total	212		21.01	100.00	
masters_degree	no_time_at_all	2	3.7434	0.20	2.47	66.67
	less_than_an_hour_a_day	17	1.9637	1.68	20.99	12.23
	few_hours_a_day	51	-2.2736	5.05	62.96	6.86
	most_of_the_day	11	0.3690	1.09	13.58	8.87
	Total	81		8.03	100.00	
doctorate_degree	no_time_at_all	0	-0.1224	0.00	0.00	0.00
	less_than_an_hour_a_day	1	0.4048	0.10	20.00	0.72
	few_hours_a_day	4	0.3237	0.40	80.00	0.54
	most_of_the_day	0	-0.8391	0.00	0.00	0.00
	Total	5		0.50	100.00	
Total	no_time_at_all	3		0.30		100.00
	less_than_an_hour_a_day	139		13.78		100.00
	few_hours_a_day	743		73.64		100.00
	most_of_the_day	124		12.29		100.00
	Total	1009		100.00		
Frequency Missing = 1						