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TABLE B-3

Coefficients of Simple Correlation between Expenditure Categories,
30 Massachusetts Cities

	<i>Total General Operating</i>	<i>Common Func- tions</i>	<i>Police</i>	<i>Fire</i>	<i>High- ways</i>	<i>Recrea- tion</i>	<i>General Control</i>	<i>Sanita- tion</i>
Common functions	0.739							
Police	0.738	0.709						
Fire	0.628	0.695	0.708					
Highways	0.188	0.537	0.054	0.060				
Recreation	0.543	0.689	0.528	0.456	0.073			
General control	0.421	0.416	0.467	0.348	0.184	0.087		
Sanitation	0.485	0.754	0.347	0.373	0.289	0.694	0.002	
Mean coefficient	0.535	0.648	0.507	0.467	0.173	0.439	0.275	0.421

TABLE B-4

Coefficients of Simple Correlation between Expenditure Categories, 32 Ohio Cities

	<i>Total General Operating</i>	<i>Common Func- tions</i>	<i>Police</i>	<i>Fire</i>	<i>High- ways</i>	<i>Recrea- tion</i>	<i>General Control</i>	<i>Sanita- tion</i>
Common functions	0.586							
Police	0.501	0.598						
Fire	0.485	0.737	0.495					
Highways	0.105	0.250	0.079	0.115				
Recreation	0.471	0.609	0.337	0.475	0.209			
General control	0.498	0.451	0.145	0.337	0.059	0.309		
Sanitation	0.534	0.715	0.455	0.591	0.190	0.486	0.344	
Mean coefficient	0.454	0.564	0.373	0.462	0.144	0.414	0.306	0.474

TABLE B-5

Coefficients of Simple Correlation between Expenditure Categories,
40 Large Cities and Their Overlying Local Governments

	<i>Total General Operating</i>	<i>Common Func- tions</i>	<i>Police</i>	<i>Fire</i>	<i>High- ways</i>	<i>Recrea- tion</i>	<i>Sanita- tion</i>	<i>Educa- tion</i>	<i>Wel- fare</i>
Common functions	0.857								
Police	0.719	0.670							
Fire	0.725	0.613	0.769						
Highways	0.172	0.353	-0.125	-0.003					
Recreation	0.526	0.386	0.314	0.291	-0.034				
Sanitation	0.250	0.373	0.300	0.075	0.230	0.051			
Education	0.620	0.826	0.296	0.294	0.249	0.209	-0.003		
Welfare	0.805	0.539	0.313	0.411	0.121	0.560	0.008	0.471	
Mean coefficient	0.584	0.577	0.407	0.397	0.120	0.288	0.161	0.370	0.404

APPENDIX C

CORRELATION BETWEEN THE INDEPENDENT VARIABLES AND
BETWEEN THE EXPENDITURE CATEGORIES AND THE
INDEPENDENT VARIABLES

TABLE C-1

Coefficients of Simple Correlation, Selected Independent Variables and
Expenditure Categories, 462 Cities

<i>Independent Variable or Expenditure Category</i>	<i>Population in 1950</i>	<i>Density of Population in 1950</i>	<i>Rate of Growth of Population 1940-1950</i>	<i>Median Family Income in 1949</i>	<i>Employment per 100 of Population in Manu- facturing (1947), Trade and Services (1948)</i>	<i>Intergovern- mental Rev- enue per Capita, 1951</i>
Density	0.267					
Rate of growth	-0.054	-0.216				
Income	0.025	0.118	0.007			
Employment	0.016	0.131	-0.395	0.028		
Intergovern- mental revenue	0.141	0.084	-0.180	0.063	0.151	
Total general operating	0.144	0.235	-0.236	0.064	0.160	0.732
Common functions	0.135	0.216	-0.148	0.239	0.168	0.416
Police	0.239	0.412	-0.101	0.211	0.198	0.234
Fire	0.042	0.239	-0.208	0.178	0.183	0.451
Highways	-0.063	-0.262	-0.050	0.162	0.022	0.224
Recreation	0.059	0.029	-0.010	0.150	-0.028	0.199
General control	0.103	0.121	-0.038	0.123	0.079	0.280
Sanitation	0.091	0.184	-0.088	0.169	0.110	0.222