

Table 1.1 Population, Increment in U.S. Population Share, and Decennial Rates of Increase for New York, Philadelphia, and Boston, and Their Suburbs, 1790–1860

City	1790	1800	1810 ^a	1820 ^a	1830 ^a	1840 ^a	1850 ^a	1860 ^a
New York	33,131	60,515	119,734	152,056	242,278	391,114	696,115	1,174,779
Increment change ^b		0.30	0.51	-.02	0.30	0.41	0.71	0.74
Philadelphia	44,096	61,559	112,210	137,097	188,797	258,037	408,762	565,529
Increment change ^b		0.04	0.39	-.13	0.05	0.4	0.25	0.04
Boston	18,320	24,937	49,654	63,247	88,354	124,037	208,972	288,735
Increment change ^b		0.00	0.22	-.03	0.03	0.04	0.17	0.02
Percent change								
New York		82.7%	97.9%	27.0%	59.3%	61.4%	78.0%	68.8%
Philadelphia		39.6	82.3	22.2	37.7	36.7	58.4	38.4
Boston		36.1	99.1	27.4	39.7	40.4	68.5	38.2
U.S. Population		34.8	36.4	33.1	34.1	32.7	35.9	35.5

Source: George Rogers Taylor, "American Urban Growth Preceding the Railway Age," *Journal of Economic History* (September 1967): 311; and idem, "The Beginnings of Mass Transportation in Urban America," *The Smithsonian Journal of History* 1 (Summer 1966): 36.

^aThese data include the following suburbs: for New York, the four boroughs incorporated in 1898; for Philadelphia, the county; and for Boston, the contiguous towns with their boundaries as of 1840. For 1790 and 1800, the boundaries were slightly smaller. See Taylor, "The Beginnings of Mass Transportation," 36.

$$b = \frac{\text{Pop. City}_t}{\text{Pop. U.S.}_t} - \frac{\text{Pop. City}_{t-10}}{\text{Pop. U.S.}_{t-10}}$$

Table 1.2 Import Duties, Imports, and Domestic Exports for New York, Massachusetts, and Pennsylvania, 1790–1860 (in percentage of U.S.)

	Import Duties ^a			Imports			
	1790–1800	1801–1810	1815–1816	1821–1830	1831–1840	1841–1850	1851–1860
New York	23.2	28.0	35.7	46.3	57.8	60.0	64.4
Pennsylvania	22.2	19.1	18.7	14.5	8.6	6.8	5.5
Massachusetts	18.0	23.7	16.9	18.9	13.8	18.6	14.2
	Domestic Exports						
	1790–1800	1801–1810	1811–1820	1821–1830	1831–1840	1841–1850	1851–1860
New York	19.2	19.0	19.1	23.9	20.2	26.7	34.8
Pennsylvania	18.8	13.2	8.2	5.9	3.4	3.8	2.3
Massachusetts	14.0	15.4	9.0	7.3	5.8	6.7	6.7

Source: Robert Greenhalgh Albion, *The Rise of the New York Port (1815–1860)* (New York: Scribner's, 1939), 391; Adam Seybert, *Statistical Annals* (Philadelphia: Dobson, 1818), 425–37; and Charles H. Evans, *Exports, Domestic and Foreign*, 48th Cong., 1st sess., H.R., Misc. Doc. 49, Pt. 2 (Serial 2236), 1884, 98–101, 234–36.

^aSpecifically, gross amount of duties on merchandise, tonnage, fines, penalties, and forfeitures.

Table 1.3 Value-Added in New York County Manufacturing, 1840 and 1860s (expressed as a percentage of total value added)

	1840	1860
Entrepôt		
Foods	8.2 ^a	11.9%
Tobacco	1.0	1.6
Wood products	1.8	4.0
Leather products	11.2	5.1
Total	22.2	22.6
Commerce-serving		
Printing and publishing	7.4	11.3
Paper	0.2	1.7
Transportation equipment	3.1	2.9
Total	10.7	15.9
Local market		
Textiles and apparel	13.8	19.5
Furniture	5.3	4.0
Chemicals	6.5	3.5
Stone, clay, and glass	4.4	3.1
Metals	7.0	7.4
Machinery	7.4	7.7
Miscellaneous	22.7	16.3
Total	67.1	61.5
Total Value-Added	\$12,054,000–\$20,374,000	\$65,417,338
Per Capita	\$38.55–\$65.15	\$80.40

Source: Secretary of State, *Compendium, 1840* (Washington, D.C., 1841), 131–37; and Secretary of the Interior, *Manufactures of the United States, 1860* (Washington, D.C., 1865), 379–84.

^aIncludes lumber.

Table 1.4 Distribution of Employment in New York County, 1855

Sector	Number	Total	(Percent)
Primary			
Fisheries, forests, farms	674		.3
Construction			
Carpenters	6,901		
Masons	3,634		
Painters	3,400		
TOTAL (including unenumerated)		16,963	8.7
Manufacturing			
Bakers	2,856		
Blacksmiths	2,611		
Bookbinders	1,365		
Boot and shoe makers	6,745		
Butchers	2,643		
Cabinet makers	2,606		
Coopers	1,018		
Dressmakers	7,436		
Hat and cap makers	1,422		
Machinists	1,714		
Milliners	1,585		
Printers	1,901		
Ship carpenters, etc.	1,146		
Stone and marble cutters	1,755		
Tailors	12,609		
Tobacco manufacturers	1,996		
TOTAL (including unenumerated)		71,900	36.9
Transportation, Communication, and Other Public Utilities			
Boatmen	1,004		
Carters and draymen	5,338		
Drivers	1,741		
Porters	3,052		
Sailors	4,717		
TOTAL (including unenumerated)		18,266	9.4
Wholesale and Retail Trade, Finance, Insurance and Real Estate			
Dealers (unspecified)	1,025		
Grocers	4,079		
Merchants	6,001		
Peddlers	1,889		
TOTAL (including unenumerated)		19,675	10.1

Table 1.4 *(continued)*

Sector	Number	Total	(Percent)
Other Services (except household)			
Boardinghouse keepers	1,014		
Lawyers	1,112		
Physicians	1,252		
Police	1,164		
Teachers	1,268		
TOTAL (including unenumerated)		16,239	8.3
Private Household and Miscellaneous			
Clerks	13,897		
Laborers	2,592		
Laundresses	2,563		
Servants	31,749		
TOTAL (including unenumerated)		50,936	26.2

Source: *New York State Census, 1855, 178-95.*

**Table 1.5 Share of Population Increase in New York County
Attributable to Net Migration***

	1810-1820	1820-1830	1830-1840	1840-1850	1850-1860
Male	28.9%	72.0%	72.5%	84.9%	78.7%
Female	22.3	62.9	66.4	75.9	73.4
AVERAGE	25.2	67.2	69.3	80.6	75.8
Increase in Population					
Male	6,328	18,939	32,883	64,801	69,999
Female	7,791	20,711	34,859	59,339	85,674

Source: Lindstrom, "Northeastern Migration, 1810-1860."

*10>20-20>30 to 50>60-60>70 only.

**Table 1.6 Age-Specific Migration Rates and Sex Ratios
for New York County, 1810–1860**

	1810–1820	1820–1830	1830–1840	1840–1850	1850–1860	Percentage Total Migrants 1810–1860 ^a
Male						
5>10–15>20		30.7% ^a	21.8%	45.1%	30.2%	
10>20–20>30	34.6%	98.5	109.5	169.9	94.5	73.3
20>30–30>40	–9.6	36.2	32.7	37.3	27.7	24.2
30>40–40>50	–6.0	1.7	–7.6	7.0	6.0	1.8
40>50–50>60	–17.6	–14.3	–8.3	14.1	–5.2	–.8
50>60–60>70	46.6	–10.2	0.9	33.5	10.9	1.5
Average ^a	7.3	42.2	43.4	62.1	34.8	
Female						
5>9–15>19		51.1%	44.0%	57.9%	41.2%	
10>20–20>30	19.1%	77.5	105.6	141.7	109.9	84.6
20>30–30>40	–2.7	28.4	10.8	6.8	13.3	10.5
30>40–40>50	4.4	7.3	–3.4	3.1	5.2	1.8
40>50–50>60	–15.2	–4.8	3.6	13.8	3.8	1.0
50>60–60>70	29.2	2.0	9.4	24.0	18.4	2.1
Average ^a	6.9	37.6	38.9	46.5	38.2	
Sex Ratios (number of females for every 100 males)						
	1810	1820	1830	1840	1850	1860
Age						
10>20	113.3	118.4	115.9	121.2	116.5	107.2
20>30	91.6	100.1	105.7	112.8	108.4	125.6
30>40	90.7	99.2	95.0	88.8	88.2	96.6
40>50	93.0	101.7	105.5	100.2	86.3	88.3
50>60	101.4	98.3	116.1	122.4	102.6	97.0
60>70	102.2	99.1	123.8	139.6	126.1	121.5
Average	99.1	105.5	107.3	108.7	102.9	106.7

Source: Diane Lindstrom, "Northeastern Net Migration, 1810–1860" (Paper presented at the Columbia University Seminar in Economic History, 1983), Table 22.

^a10>20–20>30 to 50>60–60>70 only. For a description of the derivation and interpretation of the statistics, see notes 27 and 28.

Table 7.1 Population, 1950–1985 (in thousands)

	1950	1960	Percent Change	1970	Percent Change	1980	Percent Change	1985	Percent Change
TOTAL	7,892	7,782	-1.4	7,894	+1.4	7,072	-10.4	7,254	+2.6
White	6,890	6,053	-12.1	4,847	-20.0	3,669	-24.3	NA	
Black	756	1,116	+47.7	1,846	+65.4	1,897	+2.8	NA	
Hispanic	246	613	+148.7	1,202	+96.1	1,405	+17.0	NA	

Sources: City of New York, Department of Commerce and Industrial Development, *Statistical Guide for New York City, 1965* (9th annual edition); Real Estate Board of New York, *Fact Book 1983* (October 1982); and Regional Plan Association, *The Region's Agenda*, 16 (September 1986).

Table 7.2 Employment By Industry 1950–1983 (thousands)

	1950		1960		1970		1980		1983	
Manufacturing (including mining)	1041	(30.0%)	949	(26.8%)	768	(20.5%)	497	(15.0%)	442	(13.2%)
Contract										
Construction	123	(3.5)	127	(3.6)	112	(3.0)	77	(2.3)	85	(2.5)
Transportation and Utilities	332	(9.6)	318	(9.0)	323	(8.6)	257	(7.8)	240	(7.2)
Wholesale and Retail Trade	755	(21.8)	745	(21.0)	735	(19.6)	613	(18.6)	601	(18.0)
Finance, Insurance, and Real Estate	336	(9.7)	384	(10.9)	458	(12.2)	448	(13.6)	495	(14.8)
Services	508	(14.6)	607	(17.2)	786	(21.0)	894	(27.1)	968	(28.9)
Government	374	(10.8)	408	(11.5)	563	(15.1)	516	(15.6)	516	(15.4)
TOTAL	3468		3538		3745		3302		3348	

Sources: Temporary Commission on City Finances, *The Effects of Taxation on Manufacturing in New York City* (December 1976), Table 1; Real Estate Board of New York, Inc., *Fact Book 1983* (October 1982), Table 56; and *Fact Book 1985* (March 1985), Table 56.

Table 7.3 Urban Renewal Projects and Programs, 1949–1974

	Borough	Planned Reuse: Percent of Area Resid. ^a	Orig. Pop. Non-White ^b	Fed. Expnd. (thous. dol.) ^c
Committee on Slum Clearance Projects (1949–1959)				
Fort Greene	Bk	48	62	5,990
Corlears Hook	Mn	84	24	3,396
Morningside	Mn	93	65	2,793
Columbus Circle	Mn	49	54	6,019
North Harlem	Mn	72	100	4,658
Pratt Institute	Bk	80	36	5,181
West Park (Manhattantown)	Mn	75	52	8,863
Washington Square S.E.	Mn	66	00	14,111
Seward Park	Mn	41	09	5,316
Kips Bay (NYU-Bellevue)	Mn	75	01	4,275
Lincoln Square	Mn	38	07	30,899
Seaside-Rockaway	Qu	60	00	2,379
Hammels-Rockaway	Qu	61	67	5,668
Penn Station S.	Mn	51	03	17,946
Park Row	Mn	29	08	2,634
Cadman Plaza	Mn	25	08	3,960
Park Row Extension	Mn	5	08	2,634
Lindsay Park	Bk	46	46	8,100
SUBTOTAL				137,657
West Side (1958)	Mn	99	NA	37,538
Washington St. (1960)	Mn	00	00	15,219
Other Projects (1960–1966)				129,355
Community Renewal Program (1960–1973)				7,744
Code Enforcement Programs (1967–1974)				13,400
Neighborhood Development Program (1968–1974)				207,166
TOTAL				548,079

Sources: Derived from J. Anthony Panuch, *Mayor's Independent Survey on Housing and Urban Renewal, Building a Better New York, Final Report to Mayor Robert F. Wagner*, March 1, 1960; U.S. Housing and Home Finance Agency, *Urban Renewal Project Characteristics*, June 30, 1962; and U.S. Department of Housing and Urban Development, *Urban Renewal Directory*, June 30, 1974.

^aIndicates residential functions are predominant use. Acres planned for residential use divided by total acres.

^bThese data are at best suggestive. They are based on families, not individuals, who were officially counted as requiring relocation assistance. While the actual numbers of families counted is ridiculously low, the racial composition is probably more accurate. It is this percentage that we calculate.

^cDollar amounts authorized and reserved. Actual expenditures are virtually identical except for programs that were not completed by 1975, when CDBG replaced these categoricals.

Table 7.4 New Dwelling Units Completed, 1921–1983 (in thousands)

	Total	Public ^a	Publicly Assisted ^b	Private
1921–1930	762	00	01	761
1931–1940	207	10	05	192
1941–1950	166	26	12	128
1951–1960	323	72	17	234
1961–1970	348	41	75	232
1971–1980	166	111		49
1981–1983	25	NA		NA

Sources: Elizabeth Roistacher and Emanuel Tobier, "Housing Policy," in *Setting Municipal Priorities, 1981*, ed. Charles Brecher and Raymond Horton (Montclair, N.J.: Allenheld, Osmun, 1980), Table 6.1; George Sternlieb and David Listokin, "Housing," in *Setting Municipal Priorities, 1986*, ed. Charles Brecher and Raymond Horton (New York: New York University Press, 1985), Table 12.4; New York City Housing Authority, Project Data, January 1, 1982, 43; and New York City Housing Authority, Research and Statistics Division, "Special Tabulation of Tenant Characteristics," January 1, 1983, 1.

^aUnits built or operated by the New York City Housing Authority. As of 1982, there were about 169,000 public units in 247 projects housing a population of about 491,000. The racial breakdown of occupants was about 10 percent white, 58 percent black, 28 percent Puerto Rican, and 4 percent "other."

^bUnits insured, subsidized, and in other ways aided by the municipal, state, or local government.

Table 8.1 Race and Ethnicity in Queens and New York City, 1980

	Queens	NYC	Queens Percent of NYC
Total Population	1,891,805	7,071,639	26.7
White	1,335,805	4,294,075	31.1
Black	354,129	1,784,331	19.8
Asian	93,456	231,504	40.4
Hispanic	262,422	1,406,074	18.7

Source: U.S. Bureau of the Census, 1980.

Table 8.2 Major White Ethnic Categories in Queens, 1980

Ancestry	Total	Percent of Total Population	Percent of Major White Ethnics
Italian	235,081	12.4	38.0
Irish	106,982	6.0	17.3
German	83,963	4.4	13.6
Polish	59,131	3.1	9.6
Russian	56,715	3.0	9.2
Greek	48,374	2.6	7.8
Hungarian	17,986	1.0	2.9
Ukrainian	9,662	0.6	1.4
Multiple	292,479	15.5	41.9

Source: U.S. Bureau of the Census, STF 3, Table 28.

Table 8.3 Asian Ethnicity in Queens, 1980

Ethnic Group	Total	Percent of Total Population	Percent of Total Asian
Chinese	39,135	2.1	42.0
Indian	21,736	1.2	23.3
Korean	14,486	0.8	15.5
Filipino	11,195	0.6	12.0
Japanese	5,487	0.3	5.9
Vietnamese	1,418	0.1	1.5

Source: U.S. Bureau of the Census, 1980.

**Table 8.4 Percent of White Ethnic Group's Population
Residing in Top 10 Percent of Its Tracts, 1980**

Ethnic Group	Population in Top 10 Percent	Total Population	Percent in Top 10 Percent
Italian	65,957	235,081	28
Irish	39,460	106,182	36
German	24,906	85,963	29
Polish	23,133	59,133	39
Russian	32,491	56,715	57
Greek	25,675	48,374	53
Hungarian	7,847	17,986	44
Ukrainian	3,495	9,662	36

Source: U.S. Bureau of the Census, STF 3, Table 28, 1980.

Table 8.5 Queens Tracts with Two or More White Ethnic Groups Present in Above-Average Proportion, 1980

Tract #	Pop.	German	Greek	Hung.	Irish	Polish	Ital.	Russ.	% Loc.
65	7,611		1,497		522		1,145		42 Astoria
69	3,656		588				1,014		44 Astoria
97	3,740		895				1,134		54 Astoria
113	4,763		902		578		564		43 Astoria
117	4,143		1,025				1,165		53 Astoria
131	7,508			179	935				15 Maspeth
309.01	7,104		584				1,490		29 Elmhurst
309.02	7,006		861				1,170		29 Elmhurst
317	5,818		607				1,963		44 Corona
591	4,379	973					1,407		50 Linden Hill
613	4,807	978					1,080		43 Linden Hill
664	8,195				499		2,131	463	38 Broad Channel
697.02	4,502			268		495			17 Rego Park
713.01	11,414	501		426		1,252		1,708	34 Forest Hills
721	5,201					402		734	22 Forest Hills
739	6,186			191		410		887	24 Forest Hills

757	8,205		266		579		985	22 Forest Hills
709.02	4,906		168		588		407	24 Forest Hills
809	6,542				493		538	16 Richmond Hill
884	8,087		1,062			3,094		44 Howard Beach
892	9,527					4,085	438	48 Howard Beach
934	7,629	157	1,987		577	524	536	42 Rockaway
997	7,085	257				1,383	482	29 Beachurst
997.02	12,734	383			983		1,664	23 Bayside
1,010	11,758		276		813		1,048	18 Far Rockaway
1,017	6,508				405	1,321	445	33 North Flushing
1,047	6,917	460	151			1,636	445	39 Mitchell Gardens
1,227.01	8,087			587	574		637	22 Richmond Hill
1,291.01	9,072		241		665	766	1,071	30 North Jamaica
1,347	8,693			584		545	931	24 Fresh Meadows
1,367	5,058				475		747	24 Creedmore
1,479	4,099		591		735			32 Douglaston
1,529.01	5,347		164		451		777	26 Douglaston
1,551	11,239			522	617	1,306	1,220	34 Douglaston
1,621	5,120			735		1,055		35 Bellerose

Source: U.S. Bureau of the Census, STF 3, Table 28, 1980.

**Table 8.6 Location and Proportional Representation of Italians
in First Ten Most Italian Tracts, Queens, 1980**

Tract #	Location	Total	Italian	Other White Ethnics	Other
892	Howard Beach	9527	4085	1578	183
884	Howard Beach	8087	3094	3384	183
62	South Ozone Park	11254	2304	5385	297
58	South Ozone Park	4645	2238	774	184
664	Rosedale	8195	2131	1433	780
54	South Ozone Park	4111	1980	1898	162
317	Corona	5818	1963	1467	598
1039	Whitestone	5744	1923	1355	633
1047	Whitestone	6916	1636	1997	981
44.01	South Ozone Park	2532	1600	400	129

**Table 8.7 Location and Representation of Irish
in First Ten Most Irish Census Tracts, Queens, 1980**

Tract #	Location	Total	Irish	Other White Ethnics	Other
934	Rockaway	7629	1987	2163	457
916.01	Breezy Point	3618	1310	619	60
938	Rockaway	4607	1221	1204	446
884	Howard Beach	8087	1062	3839	183
283	Jackson Heights	6443	949	1440	2220
181	Maspeth	7508	935	1499	2982
253	Maspeth	6423	934	988	2639
928	Belle Harbor	3691	906	977	287
185	Maspeth	6697	894	1288	2457
295	Sunnyside	3588	860	647	67

Source: U.S. Census, STF 3, Table 28, NYC.

Table 9.1 Nonagricultural Employment in New York City Annual Averages, 1950–1985 (in thousands)

Industry	1950	Column Percent	1970	1977	1980	1986	Column Percent
TOTAL	3,469	100.0	3,745	3,188	3,302	3,549	100.0
Construction	123	3.5	110	64	77	114	3.2
Manufacturing	1,040	30.0	766	539	496	396	11.2
Nondurable	810	23.3	525	376	351	288	8.1
Apparel	341	9.8	204	153	140	108	3.0
Printing and publishing	119	3.4	121	90	94	91	2.6
Durable	230	6.6	241	163	145	108	3.0
Transportation	232	6.7	203	157	150	127	3.6
Communications	66	1.9	95	76	82	79	2.2
Utilities	34	1.0	26	26	25	24	0.7
Wholesale trade	322	9.3	302	248	246	246	6.9
Retail trade	433	12.5	434	372	368	402	11.3
Finance, Insurance, Real Estate	336	9.7	460	414	448	519	14.6
Services	507	14.6	785	783	894	1,076	30.3
Government	374	10.8	563	508	516	569	16.0

Source: New York State Department of Labor. 1950 T,C,U, and wholesale and retail employment figures estimated. 1986 Communications figure adjusted for comparability.

**Table 9.2 Nonagricultural Employment Trends for Rising Sectors
in New York City, 1969, 1977, 1986 (in thousands)**

Sector	1969	1977	1986	Percent 1977-1986 Annual	Percent of Services Gain
TOTAL	3,798	3,188	3,549	0.77	n.a.
Goods Production and Distribution	1,541	1,123	1,033	-0.89	n.a.
Financial Services	466	414	519	2.82	16.7
Banking	97	118	171		
Securities	99	70	137		
Corporate Services	183	228	470	11.79	38.5
Legal services	28	39	64		
Management consulting and PR	35	22	33		
Accounting	23	21	28		
Engineering and Architecture	21	16	21		
Protective services	15	20	30		
Business services	21	22	35		
Communications/Media	249	212	268	2.94	8.9
Communications	86	76	68		
Advertising	39	32	42		
Publishing	70	52	56		
Entertainment, Culture, and Tourism	185	162	201	2.67	6.2
Restaurants, bars	123	106	128		
Hotels	34	24	31		
Legitimate theater	10	14	22		
Museums	4 ^a	5	7		
Education and Research	158	206	250	2.37	7.3
Elementary and Sec- ondary	151	142	140		
Colleges	—	44	46		
Health and Social Ser- vices	198	240	343	4.77	16.4
Hospitals	104	119	129		
Other health services	47	66	101		
Social services	47 ^a	55	113		
Government (Nonedu- cational)	398	377	415	1.12	6.0
Local	254	242	285		
State	38	51	53		
Federal	106	84	77		

Source: New York State Department of Labor.

^aEstimate.

Table 9.3 Census Profile of New York City, 1970 and 1980

Subject	1970	1980	Percent Change
Total Population	7,894,862	7,071,639	-10.4
Non-Hispanic White Population	4,972,509	3,668,945	-26.2
	(63.0)	(51.9)	
Non-Hispanic Black Population	1,525,745	1,694,127	11.0
Hispanic Population	1,278,630	1,406,024	10.0
Puerto Rican	846,731	860,552	1.6
Non-Puerto Rican	476,913	545,472	14.4
Asian and Pacific Islanders	115,830	300,406	159.3
Foreign-born	1,437,058	1,670,199	16.2
	(18.2)	(23.6)	
Median Household Income			
(1980 dollars)	\$19,170	\$16,818	-12.3
Per Capita Income	\$7,397	\$7,271	-1.7
Persons in Poverty	1,164,673	1,391,981	19.5
Percent Below Poverty Line			
All persons	14.9	20.0	
All families	11.5	17.2	
Female-headed with children	45.7	55.1	
Total Households	2,836,872	2,788,530	-1.7
Family households	2,043,765	1,757,564	-14.0
Married couple families	1,603,387	1,203,387	-25.0
MCF's with children < 18	774,496	535,581	-30.8
Female-headed households	353,692	462,933	30.9
FHH's with children < 18	209,006	307,709	47.2
Non-family households	793,107	1,030,966	30.0
Average Persons per Household	2.74	2.49	-9.1
Males in Labor Force	1,988,774	1,732,165	-12.9
(% males > 16)	(74.1)	(69.5)	
Females in Labor Force	1,355,654	1,435,533	5.9
(% females > 16)	(42.2)	(47.1)	

Sources: N.Y.C. Department of City Planning, first five entries, which made adjustments of census data based on microdata distributions. 1980 U.S. Census of population for the remainder.

Table 9.4 White Male Occupational Distribution

Occupation	WASPs	Italians	Irish	(Jewish) Russian
Manager	10.7%	8.8%	8.4%	12.5%
Professional	9.2	5.2	5.6	13.4
Technician	4.0	2.2	2.8	4.1
Salesperson	13.1	10.3	8.6	24.2
Clerical and Office	18.4	16.9	19.3	16.9
Service Worker	14.9	12.7	19.6	6.1
Craftworker	11.9	19.8	15.3	11.5
Operative	16.7	23.0	18.8	10.8
Percent Male Population	(2.15)	(16.96)	(8.18)	(4.29)

Source: 1980 U.S. Census Public Use Microdata Sample. Farming occupations are excluded; all are New York-born of indicated ancestry.

Table 9.5 White Female Occupational Distribution

Occupation	WASPs	Italians	Irish	(Jewish) Russian
Manager	7.9%	5.8%	6.5%	7.3%
Professional	13.6	7.7	13.8	21.1
Technician	2.6	1.9	1.8	2.9
Salesperson	12.1	11.8	10.4	12.4
Clerical and Office	46.7	51.3	52.2	48.6
Service Worker	10.8	10.1	11.4	4.3
Craftworker	1.8	1.9	1.2	1.0
Operative	4.4	9.0	2.6	1.7
Percent Female Population	(2.35)	(16.14)	(9.56)	(5.56)

Source: 1980 U.S. Census Public Use Microdata Sample (PUMS). Farming occupations excluded; all are New York-born of indicated ancestry.

Table 9.6 Minority Male Occupational Distribution

Occupation	NY Black	Jamaican	Puerto Rican	Dominican	Chinese
Manager	6.6%	6.0%	6.5%	4.5%	11.3%
Professional	7.4	5.5	3.1	1.8	8.0
Technician	2.0	3.3	1.0	0.6	3.0
Salesperson	5.7	5.5	5.3	7.8	6.5
Clerical and Office	22.9	15.5	11.9	8.3	7.1
Service Worker	21.6	15.5	25.0	25.8	43.4
Craftworker	9.4	20.0	15.3	13.6	6.0
Operative	22.8	23.2	30.8	36.9	14.1
Percent Total Male	(11.35)	(2.38)	(10.46)	(3.23)	(2.58)

Source: 1980 PUMS File. NY blacks are those born in New York; Puerto Ricans are island-born; Jamaicans, Dominicans, and Chinese are born abroad. Farming occupations are excluded.

Table 9.7 Minority Female Occupational Distribution

Occupation	NY Black	Jamaican	Puerto Rican	Dominican	Chinese
Manager	5.0%	3.0%	3.0%	1.2%	5.3%
Professional	11.9	13.4	5.6	2.4	6.6
Technician	2.3	3.1	1.4	0.5	1.6
Salesperson	9.3	5.6	7.6	5.7	7.3
Clerical and Office	44.5	28.0	26.1	14.7	14.7
Service Worker	18.5	40.2	16.2	12.7	674.2
Craftworker	1.3	1.1	4.4	6.3	3.4
Operative	6.7	5.5	35.4	56.4	54.6
Percent Total Female	(14.08)	(3.68)	(8.67)	(3.85)	(2.52)

Source: 1980 PUMS file. NY blacks are those born in New York; Puerto Ricans are island-born; Jamaicans, Dominicans, and Chinese are born abroad. Farming occupations are excluded.

Table 9.8 The New York City Presidential Electorate, 1980

	Population	<i>Adjusted For</i>			
		Age	Citizenship	Registration	Turnout
Whites	51.9%	56.8% (80.5)	59.6% (91.8)	65.6% (60.8)	71.6% (54.4)
Blacks	23.9%	21.9% (67.4)	22.5% (90.2)	21.5% (52.7)	19.6% (45.7)
Hispanics	19.9%	17.4% (64.2)	14.0% (70.1)	8.9% (34.9)	4.8% (26.8)

Source: U.S. Bureau of the Census, CPS Series P-20, no. 370, "Voting and Registration in the Election of November, 1980," Table 3, p. 23. Adjustments in right three columns for northeastern central cities of SMSAs larger than one million. Mean values in parentheses.

**Table 9.9 Correlation between Race of Candidates and Voters
in the 1977 Mayoral Primary**

Candidate	Population Percentage		
	White	Black	Hispanic
White	0.903	-.773	-.517
Black	-.741	0.940	-.012
Hispanic	-.573	0.114	0.862

Source: Roman Hedges and Jeffrey Getis, "A Standard for Constructing Minority Legislative Districts: The Issue of Effective Voting Equality" (Nelson Rockefeller Institute of Government, SUNY Albany, Working Paper No. 6, 1981), Table 1. Data collected for candidates of three races across 4,105 groups of election districts with boundaries coterminous with census blocks.

Table A.1 White Males

Industry Sector	WASPs	Italians	Irish	(Jewish) Russian
Manufacturing	10.2%	10.8%	7.7%	12.8%
Nondurable	4.3	4.2	3.3	6.3
Apparel	1.2	2.1	0.6	4.1
Printing	1.4	0.9	1.7	0.9
Durable	5.9	6.6	4.4	6.5
Construction	4.8	8.1	6.4	2.8
Transportation	10.5	14.9	13.0	8.0
Communications and Utilities	4.9	6.3	7.9	1.9
Wholesale Trade	5.1	6.0	4.9	10.2
Retail Trade	9.5	13.9	9.2	13.1
Finance, Insurance, Real Estate	15.4	12.2	15.7	10.1
Banking	4.3	3.9	4.8	1.5
Securities	4.8	3.4	3.7	3.1
Advanced Corporate Services	7.6	3.6	4.8	11.2
Bars, Restaurants, and Hotels	4.9	3.3	5.0	2.5
Health Services	4.3	2.9	3.1	4.8
Hospitals	3.4	2.4	2.5	3.9
Education	7.0	3.7	4.5	9.7
Social Services (nonprofit)	1.6	0.7	0.9	1.4
Public Agencies	6.0	7.3	11.2	5.4

Table A.2 White Women

Industry Sector	WASPs	Italians	Irish	(Jewish) Russian
Manufacturing	9.1%	14.0%	7.5%	9.7%
Nondurable	5.0	9.6	3.5	6.6
Apparel	2.6	7.5	1.5	4.7
Printing	0.6	0.3	0.4	0.7
Durable	4.1	4.4	4.0	3.1
Construction	1.0	1.0	0.7	0.9
Transportation	3.1	4.0	3.4	2.2
Communications and Utilities	2.7	3.1	5.1	1.2
Wholesale Trade	5.1	5.0	3.7	7.3
Retail Trade	13.2	15.4	11.5	11.4
Finance, Insurance, Real Estate	19.3	21.7	20.8	11.0
Banking	7.8	9.7	8.0	3.0
Securities	4.2	3.8	4.0	1.8
Advanced Corporate Services	6.8	5.6	6.7	10.6
Bars, Restaurants, and Hotels	4.0	4.0	6.0	1.5
Health Services	8.3	7.5	13.3	8.1
Hospitals	6.3	5.9	10.5	5.9
Education	13.6	9.5	11.6	21.0
Social Services (nonprofit)	4.0	1.8	2.0	4.6
Public Agencies	3.7	3.6	4.3	6.0

Table A.3 Minority Men

Industry Sector	NY Black	Jamaican	Puerto Rican	Dominican	Chinese
Manufacturing	9.7%	15.2%	24.5%	32.5%	16.7%
Nondurable	3.8	4.2	8.1	16.3	12.2
Apparel	1.7	2.1	4.7	10.3	11.4
Printing	0.6	0.1	0.1	0.6	0.4
Durable	5.9	11.0	16.4	16.2	4.5
Construction	4.4	10.6	4.0	3.3	1.6
Transportation	13.7	9.1	8.3	3.8	2.4
Communications and Utilities	3.8	2.5	2.0	0.7	0.7
Wholesale Trade	4.1	4.1	5.7	4.9	3.2
Retail Trade	10.7	11.1	10.8	13.8	6.9
Finance, Insurance, Real Estate	10.0	11.1	10.8	13.8	6.9
Banking	3.6	4.0	1.8	0.8	1.3
Securities	1.2	2.0	0.6	0.4	1.0
Corporate Services	2.5	1.9	0.9	0.3	1.7
Bars, Restaurants, and Hotels	5.1	5.0	8.3	17.2	51.0
Health Services	6.9	11.4	7.9	3.3	1.0
Hospitals	5.7	8.9	6.7	2.2	0.6
Education	5.1	2.9	1.4	1.0	2.6
Social Services (nonprofit)	3.8	2.1	1.4	0.9	0.6
Public Agencies	10.3	2.3	4.5	1.0	0.7

Table A.4 Minority Women

Industry Sector	NY Black	Jamaican	Puerto Rican	Dominican	Chinese
Manufacturing	6.9%	6.6%	38.5%	65.2%	67.3%
Nondurable	3.5	3.5	25.0	46.6	64.7
Apparel	2.4	3.1	19.8	40.0	64.2
Printing	0.1	0.1	0.1	0.1	0.0
Durable	3.4	3.1	13.5	18.6	2.6
Construction	0.5	0.4	0.4	0.4	0.0
Transportation	3.9	1.1	1.8	0.8	1.2
Communications and Utilities	4.5	1.2	1.2	0.5	0.5
Wholesale Trade	2.2	1.9	3.5	2.8	2.3
Retail Trade	10.4	8.9	8.8	7.2	5.9
Finance, Insurance, Real Estate	13.3	15.1	7.7	4.0	5.1
Banking	6.3	9.1	3.0	1.7	2.6
Securities	1.5	1.6	0.9	0.5	0.8
Corporate Services	3.0	2.0	1.6	0.5	1.1
Bars, Restaurants, and Hotels	4.4	4.3	4.0	3.5	6.1
Private Household	2.2	14.1	1.2	2.3	0.8
Health Services	15.5	29.9	10.8	3.3	2.1
Hospitals	12.7	22.1	8.9	2.5	1.5
Education	9.2	3.0	7.1	1.4	2.4
Social Services (nonprofit)	9.5	7.2	4.9	1.9	0.3
Public Agencies	11.0	2.8	4.4	0.8	0.8

Source: 1980 Census Public Use Microdata Sample (PUMS). Definitions are the same as Tables 9.4–9.7. Retail trade figures exclude eating and drinking establishments.