

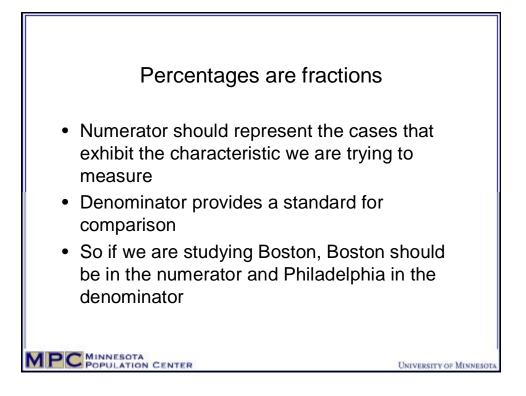
The denominator provides a point of reference—a standard for meaningful comparison

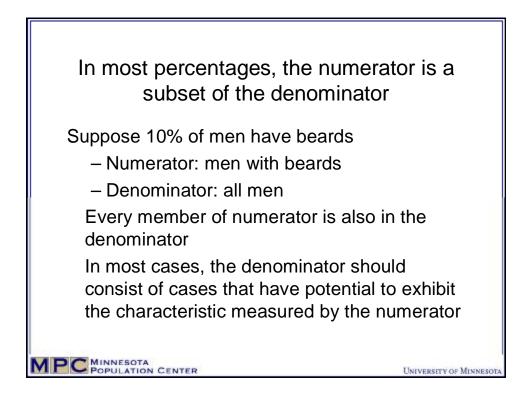
Which makes more sense: Boston 36% smaller, or Philadelphia 56% larger?

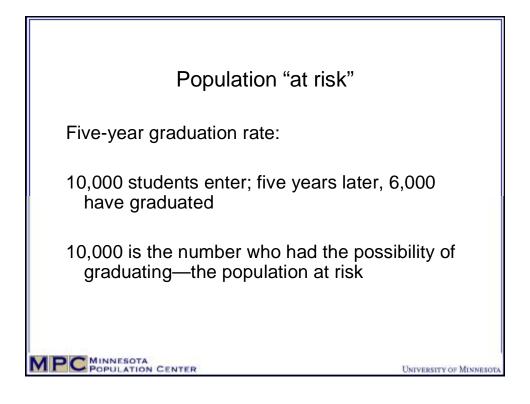
It depends on the point we are trying to make.

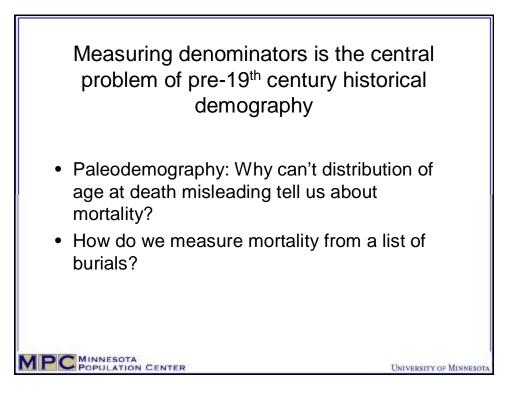
MPC MINNESOTA POPULATION CENTER

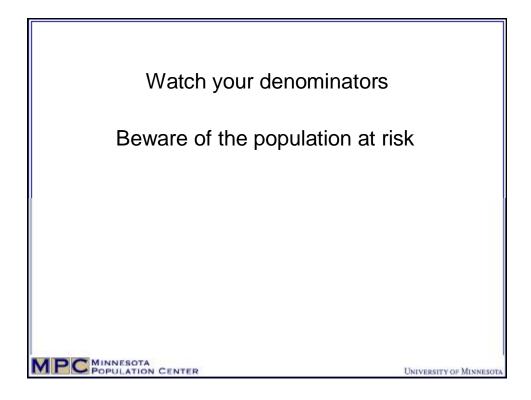
UNIVERSITY OF MINNESOT









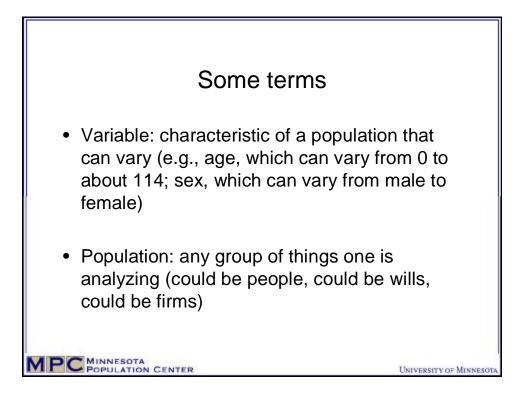


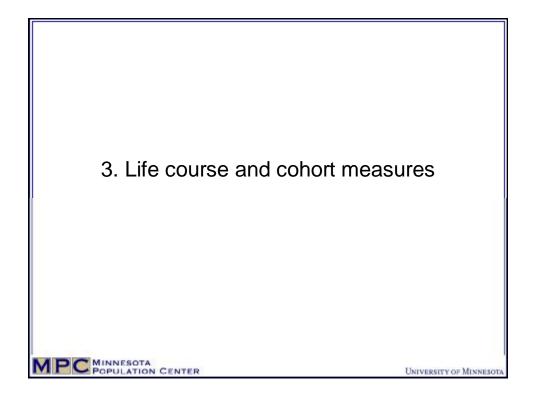
Deg	rees Earneo	l, 1985 (th	ousands)
	Bachelors	Masters	Doctorates
Males	477	151	23
Females	461	148	10
Possible qu			
What perce	nt of doctorat	es were ea	rned by women?
What perce	nt of women	warned doc	torates?
	ON CENTER		UNIVERSITY OF MINNESOTA

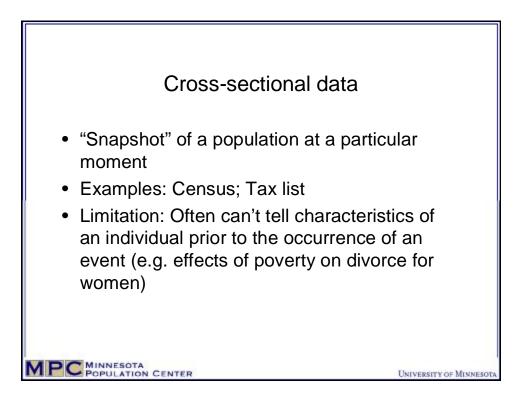
Sa	me table, v	vith margi	nal frequen	cies
	Bachelors	Masters	Doctorates	Total
Male	477	151	23	651
Female	461	148	10	619
Total	938	299	33	1270
	NESOTA ULATION CENTER		U	NIVERSITY OF MINNESOTA

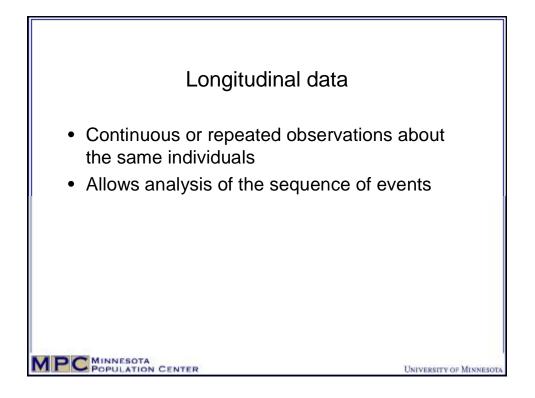
	Ro	ow percen	ts	
	Bachelors	Masters	Doctorates	Total
Male	73.3	23.2	3.5	100.0
Female	74.5	23.9	1.6	100.0
	SOTA ATION CENTER		UND	versity of Minnesota

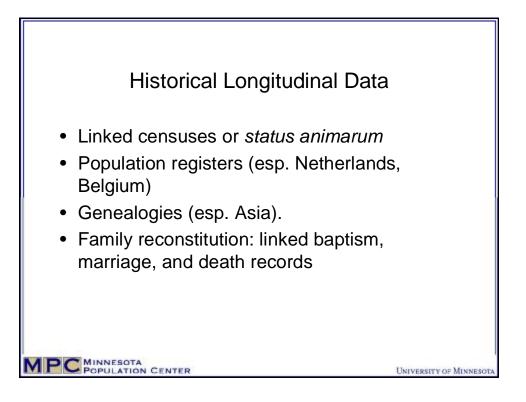
Bachelors Masters Doctorates
Male 50.9 50.5 69.7
Female 49.1 49.5 30.3
Total 100.0 100.0 100.0

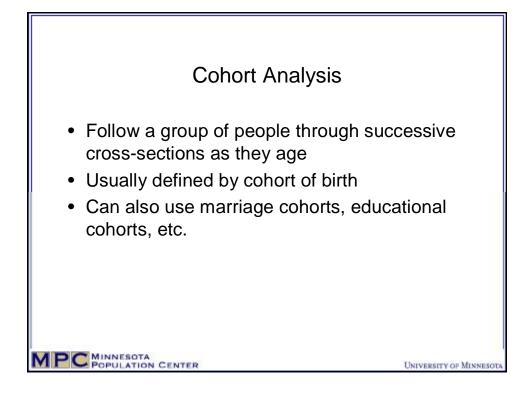








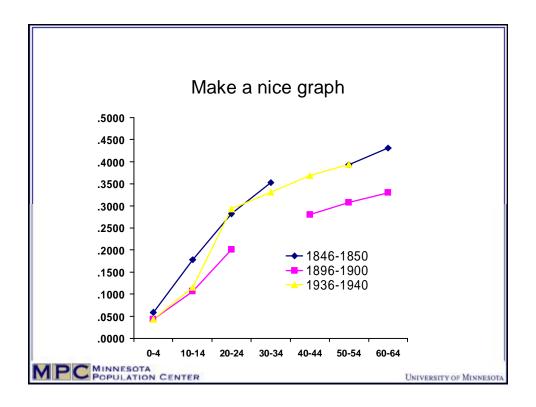


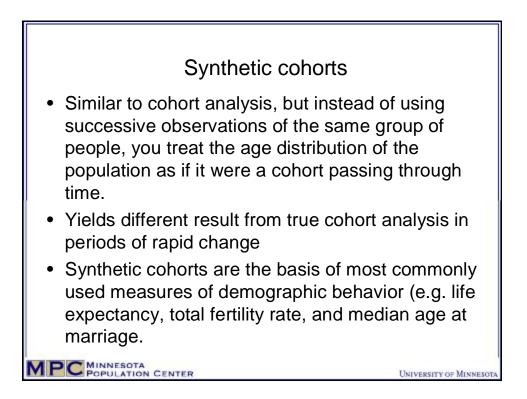


	Exa	•	e: pe outs								resi)	ding	
	1850	1860	1870	1880	1900	1910	1920	1940	1950	1960	1970	1980	1990
0-4	.0590	.0599	.0582	.0487	.0434	.0492	.0554	.0434	.0852	.0968	.1077	.1047	.1045
5-9	.1139	.1360	.1139	.0970	.0750	.0860	.0895	.0693	.1221	.1487	.1625	.1826	.1652
10-14	.1669	.1784	.1473	.1353	.0991	.1068	.1134	.0886	.1155	.1653	.1816	.2110	.1981
15-19	.2297	.2277	.2100	.1730	.1305	.1366	.1451	.1183	.1498	.2093	.2182	.2432	.2571
20-24	.2984	.2938	.2818	.2405	.1880	.1902	.2016	.1751	.2209	.2936	.3167	.3044	.3228
25-29	.3461	.3755	.3328	.3100	.2241	.2402	.2372	.2142	.2639	.3014	.3310	.3436	.3574
30-34	.3885	.4040	.3821	.3533	.2711	.2728	.2619	.2491	.2732	.3083	.3310	.3711	.3739
35-39	.4209	.4072	.4197	.3704	.3076	.2939	.2852	.2711	.2776	.3179	.3332	.3846	.3874
40-44	.4244	.4480	.4410	.4062	.3142	.3161	.3007	.2808	.2894	.3145	.3279	.3685	.4033
45-49	.4663	.4525	.4363	.4434	.3564	.3343	.3042	.2901	.3020	.3082	.3312	.3649	.4103
50-54	.4896	.4608	.4669	.4629	.3932	.3604	.3320	.2994	.3078	.3112	.3198	.3585	.3941
55-59	.4987	.4768	.4963	.4735	.4284	.3749	.3381	.3049	.3116	.3180	.3130	.3643	.3859
60-64	.4722	.4866	.4638	.4770	.4638	.4309	.3957	.3385	.3277	.3299	.3325	.3646	.3875
Total	.2507	.2594	.2528	.2392	.2042	.2074	.2046	.1971	.2260	.2506	.2693	.3075	.3295
MP	CM		TION C	ENTER	X						UNIVER	SITY OF 1	MINNESOTA

	Hig	ghlig	ght	the	san	ne k	oirth	n gro	oup	ονε	er tir	me	
								•	•				
	1850	1860	1870	1880	1900	1910	1920	1940	1950	1960	1970	1980	1990
0-4		.0599	.0582	.0487		.0492	.0554		.0852	.0968	.1077	.1047	.1045
5-9	.1139	.1360	.1139	.0970	.0750	.0860	.0895	.0693	.1221	.1487	.1625	.1826	.1652
10-14	.1669		.1473	.1353	.0991		.1134	.0886		.1653	.1816	.2110	.1981
15-19	.2297	.2277	.2100	.1730	.1305	.1366	.1451	.1183	.1498	.2093	.2182	.2432	.2571
20-24	.2984	.2938		.2405	.1880	.1902		.1751	.2209		.3167	.3044	.3228
25-29	.3461	.3755	.3328	.3100	.2241	.2402	.2372	.2142	.2639	.3014	.3310	.3436	.3574
30-34	.3885	.4040	.3821		.2711	.2728	.2619	.2491	.2732	.3083	.3310	.3711	.3739
35-39	.4209	.4072	.4197	.3704	.3076	.2939	.2852	.2711	.2776	.3179		.3846	.3874
40-44	.4244	.4480	.4410	.4062	.3142	.3161	.3007		.2894	.3145	.3279	.3685	.4033
45-49	.4663	.4525	.4363	.4434	.3564	.3343	.3042	.2901	.3020	.3082	.3312		.4103
50-54	.4896	.4608	.4669	.4629		.3604	.3320	.2994		.3112	.3198	.3585	.3941
55-59	.4987	.4768	.4963	.4735	.4284	.3749	.3381	.3049	.3116	.3180	.3130	.3643	.3859
60-64	.4722	.4866	.4638	.4770	.4638		.3957	.3385	.3277		.3325	.3646	
Total	.2507	.2594	.2528	.2392	.2042	.2074	.2046	.1971	.2260	.2506	.2693	.3075	.3295
MP	CM		ION C	ENTER							UNIVER	ISITY OF 1	MINNESOD

	Rearrange into	birth cohorts	5
	Ye	ear of birth	
	1846-1850	1896-1900	1936-1940
0-4	.0590	.0434	.0434
10-14	.1784	.1068	.1155
20-24	.2818	.2016	.2936
30-34	.3533		.3310
40-44		.2808	.3685
50-54	.3932	.3078	.3941
60-64	.4309	.3299	





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	Ο.	y									ianc		
	1850	1860	1870	1880	1900	1910	1920	1940	1950	1960	1970	1980	1990
0-4		.0599	.0582		.0434	80808	.0554		.0852	.0968		.1047	*****
5-9		.1360	.1139		.0750		.0895		.1221	.1487		.1826	
10-14		.1784	.1473		.0991		.1134		.1155	.1653		.2110	
15-19		.2277	.2100		.1305	80808	.1451		.1498	.2093		.2432	
20-24		.2938	.2818		.1880		.2016		.2209	.2936		.3044	
25-29		.3755	.3328		.2241		.2372		.2639	.3014		.3436	
30-34		.4040	.3821		.2711	80808	.2619		.2732	.3083		.3711	
35-39		.4072	.4197		.3076		.2852		.2776	.3179		.3846	
40-44		.4480	.4410		.3142		.3007		.2894	.3145		.3685	
45-49		.4525	.4363		.3564	80808	.3042		.3020	.3082		.3649	*****
50-54		.4608	.4669		.3932		.3320		.3078	.3112		.3585	
55-59		.4768	.4963		.4284		.3381		.3116	.3180		.3643	
60-64		.4866	.4638		.4638	30305	.3957		.3277	.3299		.3646	××××29 × × × ×
Total		.2594	.2528		.2042		.2046		.2260	.2506		.3075	
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