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• Where P_m represents the number of males, P_f the number of females, and P_t the total population.























hipple's Index	K	
Whipple's Index	Quality of Data	Deviation from Perfect
< 105	very accurate	< 5%
105–110	relatively accurate	5-9.99%
110–125	ОК	10-24.99%
125–175	bad	25-74.99%
> 175	very bad	≥ 75%





Myers	s's Blen	ded Me	ethod	(Mye	rs's Index)	
	Population with	terminal digit, a	Blended population		Deviation of percentage from		
	Starting at age	Starting at age	Weight	s for—	Number	Percent	10.00 ¹
Terminal digit, a	10 + a (1)	20 + a (2)	Column 1 (3)	Column 2 (4)	$(1) \times (3) + (2) \times (4) =$ (5)	distribution (6)	(6) - 10.00 = (7)
0	5,794,442	4,144,526	1	9			
1	4,735,734	3,243,767	2	8			
2	4,706,488	3,200,533	3	7			
3	4,371,722	2,962,601	4	6			
4	4,382,456	2,973,683	5	5			
5	4,534,455	3,158,357	6	4			
6	3,926,253	2,623,463	7	3			
7	4,028,469	2,672,365	8	2			
В	3,767,867	2,438,758	9	1			
9	3,780,227	2,503,677	10	0			
Total	(X)	(X)	(X)	(X)			
Summary index of age preference = Total ÷ 2	(X)	(X)	(X)	(X)			

Myers's Blended Method (Myers's Index)



	Population with terminal digit, a		Weights for-		Blended population				Deviation of percentage from
Terminal digit, a	Starting at age 10 + a (1)	Starting at age 20 + a (2)	Column 1 (3)	Column 2 (4)	Number (1) × (3) + (2) × (4) = (5)	Percent distribution (6)	10.00^{1} (6) - 10.00 = (7)		
0	5,794,442	4,144,526	1	9	43,095,176				
1	4,735,734	3,243,767	2	8	35,421,604				
2	4,706,488	3,200,533	3	7	36,523,195				
3	4,371,722	2,962,601	4	6	35,262,494				
4	4,382,456	2,973,683	5	5	36,780,695				
5	4,534,455	3,158,357	6	4	39,840,158				
6	3,926,253	2,623,463	7	3	35,354,160				
7	4,028,469	2,672,365	8	2	37,572,482				
8	3,767,867	2,438,758	9	1	36,349,561				
9	3,780,227	2,503,677	10	0	37,802,270				
Total	(X)	(X)	(X)	(X)	374,001,795				
Summary index of age preference = Total ÷ 2	(X)	(X)	(X)	(X)	(X)				

Myers	s's Blen	ded Me	thod (Myer	s's Index)			
Terminal digit, a	Population with	terminal digit, a		Blended population		lation	Deviation of percentage from	
	Starting at age 10 + a (1)	Starting at age 20 + a (2)	Column 1 (3)	Column 2 (4)	Number (1) × (3) + (2) × (4) = (5)	Percent distribution (6)	10.00^{1} (6) - 10.00 = (7)	
0	5,794,442	4,144,526	1	9	43,095,176	11.52		
1	4,735,734	3,243,767	2	8	35,421,604	9.47		
2	4,706,488	3,200,533	3	7	36,523,195	9.77		
3	4,371,722	2,962,601	4	6	35,262,494	9.43		
4	4,382,456	2,973,683	5	5	36,780,695	9.83		
5	4,534,455	3,158,357	6	4	39,840,158	10.65		
6	3,926,253	2,623,463	7	3	35,354,160	9.45		
7	4,028,469	2,672,365	8	2	37,572,482	10.05		
8	3,767,867	2,438,758	9	1	36,349,561	9.72		
9	3,780,227	2,503,677	10	0	37,802,270	10.11		
Total	(X)	(X)	(X)	(X)	374,001,795	100.00		
Summary index of age preference = Total + 2	(X)	(X)	(X)	(X)	(X)	(X)		

	Population with terminal digit, a					Blended population	
	Starting at age	Starting at age	Weight	s for-	Number	Percent	percentage from 10.00 ¹
Terminal digit, a	10 + a (1)	20 + a (2)	Column 1 (3)	Column 2 (4)	$(1) \times (3) + (2) \times (4) =$ (5)	distribution (6)	(6) - 10.00 = (7)
0	5,794,442	4,144,526	1	9	43,095,176	11.52	1.52
1	4,735,734	3,243,767	2	8	35,421,604	9.47	0.53
2	4,706,488	3,200,533	3	7	36,523,195	9.77	0.23
3	4,371,722	2,962,601	4	6	35,262,494	9.43	0.57
4	4,382,456	2,973,683	5	5	36,780,695	9.83	0.17
5	4,534,455	3,158,357	6	4	39,840,158	10.65	0.65
6	3,926,253	2,623,463	7	3	35,354,160	9.45	0.55
7	4,028,469	2,672,365	8	2	37,572,482	10.05	0.05
8	3,767,867	2,438,758	9	1	36,349,561	9.72	0.28
9	3,780,227	2,503,677	10	0	37,802,270	10.11	0.11
Total	(X)	(X)	(X)	(X)	374,001,795	100.00	4.66
Summary index of age preference = Total ÷ 2	(X)	(X)	(X)	(X)	(X)	(X)	2.33

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A Spreadsheet to calculate Whipple and Myers indexes







Failure to Report Age



- National censuses always include a category of "unknown" age.
- To avoid this category, we distribute the unknown ages assuming that those of unknown age have the same percentage distribution by age as those of known age.

Failure to I Procedure for P for ZImbab	rorating Ages	•	а,		
Age (years)	Population as enumerated	Population with ages not reported distributed over all ages	_		
Total	10,412,548	10,412,548			
Under 5 5 to 9 10 to 14 15 to 19 20 to 24 25 to 34 35 to 44 45 to 54 55 to 64 65 and over	1,584,691 1,653,788 1,456,751 1,248,238 989,897 1,318,573 852,690 569,478 361,165 343,291	Т	otal population otal population of reported age	$=\frac{10,412,548}{10,378,562}=1.003274$	4635
Age not reported	343,291	(X)			

Failure to Procedure for P for ZImbat	rorating Ages	U	
Age (years)	Population as enumerated	Population with ages not reported distributed over all ages	
Total	10,412,548	10,412,548	
Under 5	1,584,691	1,589,880	
5 to 9	1,653,788	1,659,203	
10 to 14	1,456,751	1,461,521	
15 to 19	1,248,238	1,252,326	
20 to 24	989,897	993,139	
25 to 34	1,318,573	1,322,891	
35 to 44	852,690	855,482	
45 to 54	569,478	571,343	
55 to 64	361,165	362,348	
65 and over	343,291	344,415	
Age not reported	33,986	(X)	

