

 .. SECTION 5 ..

 .. SAMPLING NOTES AND STRATUM DEFINITIONS ..

THIS SECTION CONTAINS SPECIAL INFORMATION ON EACH COUNTRY'S SAMPLE DESIGN. THIS IS NEEDED TO CALCULATE OR APPLY SAMPLING WEIGHTS, EVALUATE SAMPLING ERROR THROUGH EXAMINATION OF DESIGN EFFECTS OR ANALYSIS OF REPLICATE SUBSAMPLES, AND TO IDENTIFY NATIONAL SUBPOPULATIONS OF IMPORTANCE FOR ANALYSIS AND INTERPRETATION. THE INFORMATION IS TAKEN FROM THE WELLINGTON SAMPLING ANALYSIS AND REPORT.

- . - EXACT DEFINITION OF EACH STRATUM .
 - . - STRATUM POPULATION SIZES .
 - . - SAMPLING METHOD WITHIN STRATUM .
 - . - SAMPLING METHOD FOR CLASSES AND STUDENTS .
 - . WITHIN SCHOOLS .
 - . - SAMPLING WEIGHTS FOR STRATA AND SCHOOLS .
-

15 BELGIUM (FLEMISH) POP A

POPULATION DEFINITION: ALL STUDENTS IN THE SECOND YEAR OF THE GENERAL SECONDARY EDUCATION, TECHNICAL SECONDARY EDUCATION AND VOCATIONAL SECONDARY EDUCATION PROGRAMMES IN BOTH TYPE I AND TYPE II FORMS OF SCHOOL ORGANISATION.

EXCLUDED POPULATION: STUDENTS IN PROVINCIAL 'GENERAL AND TECHNICAL' AND 'GENERAL' SCHOOLS.

STRATA: INITIAL STRATIFICATION VARIABLES:
 ORGANISING AUTHORITY
 COURSE TYPE

LIST OF (NATIONAL CENTRE) STRATA:

- 1) ORGANISING AUTHORITY: CATHOLIC
 GENERAL AND TECHNICAL (COMPREHENSIVE) SCHOOL, TYPE I
 (NON-TRADITIONAL)
- 2) ORGANISING AUTHORITY: CATHOLIC
 GENERAL SCHOOL, TYPE II (TRADITIONAL)
- 3) ORGANISING AUTHORITY: CATHOLIC
 TECHNICAL SCHOOL, TYPE II
- 4) ORGANISING AUTHORITY: CATHOLIC
 VOCATIONAL SCHOOLS, TYPE I AND II

- 5) ORGANISING AUTHORITY: STATE
GENERAL AND TECHNICAL (COMPREHANSIVE) SCHOOL, TYPE I
- 6) ORGANISING AUTHORITY: STATE
GENERAL SCHOOL, TYPE II
NO SCHOOLS IN THIS STRATUM.
- 7) ORGANISING AUTHORITY: STATE
TECHNICAL SCHOOL, TYPE II
NO SCHOOLS IN THIS STRATUM
- 8) ORGANISING AUTHORITY: STATE
VOCATIONAL SCHOOLS, TYPE I.
- 9) ORGANISING AUTHORITY: PROVINCIAL
GENERAL AND TECNICAL, TYPE I
NO SAMPLE SCHOOLS
- 10) ORGANISING AUTHORITY: PROVINCIAL
GENERAL, TYPE II
NO SAMPLE SCHOOLS
- 11) ORGANISING AUTHORITY: PROVINCIAL
TECHNICAL, TYPE II.
- 12) ORGANISING AUTHORITY: PROVINCIAL
VOCATIONAL SCHOOLS, TYPES I AND II
- 13) ORGANISING AUTHORITY: COMMUNAL
GENERAL AND TECHNICAL, TYPE I.
- 14) ORGANISING AUTHORITY: COMMUNAL
GENERAL, TYPE II.
- 15) ORGANISING AUTHORITY: COMMUNAL
TECHNICAL, TYPE II.
- 16) ORGANISING AUTHORITY: COMMUNAL
VOCATIONAL, TYPE I AND TYPE II.

THESE STRATA WERE COLLAPSED AT THE INTERNATIONAL CENTRE FOR TWO REASONS. FIRST, THE NATIONAL CENTRE ADVISED THAT DURING THE COURSE OF THE STUDY THE BALANCE BETWEEN TYPE I AND TYPE II COURSES CHANGED VERY RAPIDLY AND, SECOND, SOME STRATA CONTAINED INSUFFICIENT SCHOOLS TO ALLOW RELIABLE WEIGHTING.

THE NEW STRATA FORMED WERE AS FOLLOWS:

STRATUM 1 : 1 + 2 ABOVE
 STRATUM 2 : 3 + 4 ABOVE
 STRATUM 3 : 13 + 14 ABOVE
 STRATUM 4 : 11 + 12 + 15 + 16 ABOVE
 STRATUM 5 : 5 ABOVE
 STRATUM 6 : 8 ABOVE

THUS THE STRATA FOR WEIGHTING CONSIST OF :

- 1) CATHOLIC 'GENERAL AND TECHNICAL' AND 'GENERAL' SCHOOLS
- 2) CATHOLIC 'TECHNICAL' AND 'VOCATIONAL' SCHOOLS
- 3) COMMUNAL 'GENERAL AND TECHNICAL' AND 'GENERAL' SCHOOLS
- 4) PROVINCIAL AND COMMUNAL 'TECHNICAL' AND 'VOCATIONAL'

- SCHOOLS
 5) STATE 'GENERAL AND TECHNICAL' SCHOOLS
 6) STATE 'VOCATIONAL' SCHOOLS

SAMPLING PROCEDURES:

SCHOOLS SELECTED WITH PROBABILITY PROPORTIONAL TO SIZE OF TARGET GRADE USING RANDOM START, CONSTANT INTERVAL.

ONE CLASS RANDOMLY SELECTED WITHIN SCHOOL.

WEIGHTS CALCULATED:

$$\text{STRATUM WEIGHTS } W1 = (M/N)*(NI/MI)$$

$$W2 = (M/N)*(NI/(SI*NIJ))$$

M = TOTAL NUMBER OF STUDENTS IN THE ACHIEVED SAMPLE.
 N = TOTAL NUMBER OF STUDENTS IN THE POPULATION
 NI = NUMBER OF STUDENTS IN THE POPULATION IN STRATUM I.
 MI = NUMBER OF STUDENTS IN THE ACHIEVED SAMPLE IN STRATUM I.
 SI = NUMBER OF SCHOOLS IN THE ACHIEVED SAMPLE IN STRATUM I.
 NIJ = NUMBER OF STUDENTS IN THE ACHIEVED SAMPLE FOR SCHOOL J OF STRATUM I.

NOTE: FURTHER NOTES RE LOSS OF SOME TEACHER INFORMATION FROM SAMPLE TO BE ADDED.

WEIGHTING - BELGIUM(FLEMISH) - POP A

M=3103

N=88758

COL 1 = ORIGINAL STRATUM	M1 = ACHIEVED SAMPLE OF
COL 2 = ORIGINAL SCHOOL NUMBER	STUDENTS IN STRATUM 1
COL 3 = NEW STRATUM	
COL 4 = NEW SCHOOL NUMBER	N1 = POPULATION OF STRATUM 1.
COL 5 = CLASS NUMBER	I.E. STRATUM 1 SUB-POPULATION
COL 6 = ACHIEVED SAMPLE	
COL 7 = STRATUM WEIGHT (W1)	
COL 8 = SCHOOL/CLASS WEIGHT (W2)	

1	2	3	4	5	6	7	8
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M1=1291
 N1=32291

01	003	01	103	01	022	0.874	0.855
01	005	01	105	01	018	0.874	1.045
01	006	01	106	01	014	0.874	1.344
01	007	01	107	01	027	0.874	0.697
01	008	01	108	01	021	0.874	0.896
02	001	01	201	01	024	0.874	0.784
02	002	01	202	01	017	0.874	1.107
02	004	01	204	01	027	0.874	0.697
02	005	01	205	01	016	0.874	1.176
02	006	01	206	01	026	0.874	0.724
02	007	01	207	01	024	0.874	0.784
02	008	01	208	01	026	0.874	0.724
02	009	01	209	01	018	0.874	1.045
02	010	01	210	01	006	0.874	3.136
02	011	01	211	01	024	0.874	0.784

02	012	01	212	01	026	0.874	0.724
02	013	01	213	01	024	0.874	0.784
02	015	01	215	01	021	0.874	0.896
02	016	01	216	01	027	0.874	0.697
02	017	01	217	01	011	0.874	1.710
02	018	01	218	01	018	0.874	1.045
02	019	01	219	01	027	0.874	0.697
02	020	01	220	01	025	0.874	0.753
02	021	01	221	01	023	0.874	0.818
02	022	01	222	01	011	0.874	1.710
02	024	01	224	01	028	0.874	0.672
02	025	01	225	01	023	0.874	0.818
02	026	01	226	01	023	0.874	0.818
02	027	01	227	01	023	0.874	0.818
02	028	01	228	01	024	0.874	0.784
02	029	01	229	01	020	0.874	0.941
02	030	01	230	01	014	0.874	1.344
02	031	01	231	01	015	0.874	1.254
02	032	01	232	01	021	0.874	0.896
02	033	01	233	01	022	0.874	0.855
02	034	01	234	01	014	0.874	1.344
02	036	01	236	01	020	0.874	0.941
02	037	01	237	01	030	0.874	0.627
02	038	01	238	01	024	0.874	0.784
02	039	01	239	01	024	0.874	0.784
02	040	01	240	01	029	0.874	0.649
02	041	01	241	01	014	0.874	1.344
02	044	01	244	01	023	0.874	0.818
02	045	01	245	01	015	0.874	1.254
02	047	01	247	01	025	0.874	0.753
02	048	01	248	01	026	0.874	0.724
02	049	01	249	01	023	0.874	0.818
02	050	01	250	01	028	0.874	0.672
02	052	01	252	01	020	0.874	0.941
02	053	01	253	01	016	0.874	1.176
02	055	01	255	01	011	0.874	1.710
02	056	01	256	01	026	0.874	0.724
02	057	01	257	01	018	0.874	1.045
02	058	01	258	01	024	0.874	0.784
02	059	01	259	01	028	0.874	0.672
02	060	01	260	01	026	0.874	0.724
02	061	01	261	01	020	0.874	0.941
02	062	01	262	01	027	0.874	0.697
02	063	01	263	01	023	0.874	0.818
02	064	01	264	01	021	0.874	0.896

S1=60

M2=848

N2=30606

03	001	02	301	01	009	1.262	2.530
03	002	02	302	01	026	1.262	0.876
03	004	02	304	01	014	1.262	1.626
03	005	02	305	01	011	1.262	2.070
03	007	02	307	01	020	1.262	1.138
03	008	02	308	01	009	1.262	2.530
03	009	02	309	01	020	1.262	1.138
03	010	02	310	01	021	1.262	1.084
03	011	02	311	01	017	1.262	1.339
03	012	02	312	01	024	1.262	0.949
03	013	02	313	01	017	1.262	1.339

03	014	02	314	01	015	1.262	1.518
03	015	02	315	01	012	1.262	1.897
03	017	02	317	01	019	1.262	1.198
03	018	02	318	01	017	1.262	1.339
03	019	02	319	01	024	1.262	0.949
03	020	02	320	01	020	1.262	1.138
03	021	02	321	01	024	1.262	0.949
03	022	02	322	01	019	1.262	1.198
03	023	02	323	01	018	1.262	1.265
03	024	02	324	01	021	1.262	1.084
03	025	02	325	01	021	1.262	1.084
03	026	02	326	01	019	1.262	1.198
03	031	02	331	01	016	1.262	1.423
03	032	02	332	01	018	1.262	1.265
03	033	02	333	01	012	1.262	1.897
03	034	02	334	01	019	1.262	1.198
03	035	02	335	01	017	1.262	1.339
03	036	02	336	01	019	1.262	1.198
03	037	02	337	01	024	1.262	0.949
03	038	02	338	01	024	1.262	0.949
03	039	02	339	01	027	1.262	0.843
03	041	02	341	01	024	1.262	0.949
03	042	02	342	01	007	1.262	3.252
03	043	02	343	01	018	1.262	1.265
03	044	02	344	01	019	1.262	1.198
03	045	02	345	01	025	1.262	0.911
04	003	02	403	01	018	1.262	1.265
04	004	02	404	01	023	1.262	0.990
04	007	02	407	01	003	1.262	7.589
04	009	02	409	01	015	1.262	1.518
04	010	02	410	01	023	1.262	0.990
04	013	02	413	01	018	1.262	1.265
04	015	02	415	01	018	1.262	1.265
04	020	02	420	01	005	1.262	4.553
04	021	02	421	01	020	1.262	1.138
04	022	02	422	01	019	1.262	1.198

S2=47

M3=116

N3=25816

13	01	03	131	01	011	0.778	1.367
13	03	03	133	01	015	0.778	1.003
13	04	03	134	01	028	0.778	0.537
13	05	03	135	01	016	0.778	0.940
13	06	03	136	01	024	0.778	0.627
14	01	03	141	01	022	0.778	0.684

S3=6

M4=116

N4=2581

11	01	04	111	01	025	1.273	0.917
11	03	04	113	01	017	1.273	1.348
12	02	04	122	01	015	1.273	1.528
15	01	04	151	01	016	1.273	1.432
15	02	04	152	01	026	1.273	0.881
16	01	04	161	01	014	1.273	1.637
16	04	04	164	01	013	1.273	1.763

S4=7

M5=557
N5=13729

05	01	05	501	01	022	0.862	0.808
05	02	05	502	01	011	0.862	1.616
05	03	05	503	01	022	0.862	0.808
05	04	05	504	01	026	0.862	0.684
05	05	05	505	01	019	0.862	0.936
05	06	05	506	01	025	0.862	0.711
05	07	05	507	01	026	0.862	0.684
05	08	05	508	01	025	0.862	0.711
05	09	05	509	01	011	0.862	1.616
05	10	05	510	01	024	0.862	0.741
05	11	05	511	01	018	0.862	0.988
05	12	05	512	01	025	0.862	0.711
05	13	05	513	01	022	0.862	0.808
05	14	05	514	01	021	0.862	0.847
05	15	05	515	01	020	0.862	0.889
05	16	05	516	01	016	0.862	1.111
05	17	05	517	01	020	0.862	0.889
05	21	05	521	01	023	0.862	0.773
05	22	05	522	01	026	0.862	0.684
05	23	05	523	01	023	0.862	0.773
05	25	05	525	01	018	0.862	0.988
05	26	05	526	01	020	0.862	0.889
05	27	05	527	01	025	0.862	0.711
05	28	05	528	01	023	0.862	0.773
05	29	05	529	01	018	0.862	0.988
05	30	05	530	01	014	0.862	1.270
05	31	05	531	01	014	0.862	1.270

S5=27

M6=165
N6=4963

08	01	06	801	01	012	1.052	1.314
08	02	06	802	01	017	1.052	0.928
08	03	06	803	01	019	1.052	0.830
08	04	06	804	01	024	1.052	0.657
08	05	06	805	01	011	1.052	1.434
08	06	06	806	01	016	1.052	0.986
08	07	06	807	01	011	1.052	1.434
08	08	06	808	01	004	1.052	3.943
08	09	06	809	01	020	1.052	0.789
08	10	06	810	01	018	1.052	0.876
08	11	06	811	01	013	1.052	1.213

S6=11

22 BRITISH COLUMBIA

POPULATION DEFINITION:

ALL STUDENTS ENROLLED IN REGULAR GRADE 8 CLASSES AS OF SEPTEMBER,
1980 IN THE BRITISH COLUMBIA PUBLIC SYSTEM.

EXCLUDED POPULATION:

SLOWER STUDENTS REQUIRING EXTENSIVELY MODIFIED PROGRAMS TO SUIT
THEIR NEEDS (APPROX 5%) AND STUDENTS ENROLLED IN PRIVATE SCHOOLS

(APPROX 5%). THE TOTAL EXCLUDED POPULATION IS THUS OF THE ORDER OF 10%.

STRATA:

STRATIFIED BY GEOGRAPHICAL ZONE.

LIST OF STRATA

- 1 ZONE 1
- 2 ZONE 2
- 3 ZONE 3
- 4 ZONE 4
- 5 ZONE 5
- 6 ZONE 6

SAMPLING PROCEDURE:

SAMPLES DRAWN INDEPENDENTLY FROM EACH ZONE.

1. SCHOOLS WERE ORDERED, WITHIN ZONE, ACCORDING TO THEIR GRADE 8 ENROLMENT.
2. CLASSES WERE SELECTED RANDOMLY WITH PROBABILITY PROPORTIONAL TO SIZE OF GRADE 8 ENROLMENT. IN MOST CASES THIS RESULTED IN ONLY ONE CLASS BEING SELECTED FOR EACH SCHOOL IN THE SAMPLE.

NOTE: COOPERATING SCHOOLS WERE INFORMED THAT THE DESIRED PROCEDURE WAS TO USE THE GRADE 8 CLASSES SELECTED AT RANDOM BUT IF THIS WAS NOT FEASIBLE IT WAS LEFT TO THE SCHOOL'S JUDGEMENT AS TO WHICH CASES WOULD BE INCLUDED.

AN UNKNOWN NUMBER OF SCHOOLS CHOSE THEIR OWN CLASSES AND THUS

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THE SAMPLE IS ALMOST CERTAINLY BIASED.

WEIGHTING CALCULATIONS: N.B. THE WEIGHTS CALCULATED CORRECT FOR UNDER REPRESENTATION STRATA OR CLASSES. THEY DO NOT CORRECT FOR BIAS DUE TO SCHOOL SELECTION OF CLASSES.

W1 = STRATUM WEIGHTS

W2 = CLASS WEIGHTS

$W1 = (M/N) * (MI/NI)$

$W2 = (M/N) * (MI/(SI*NJ))$

WHERE

M = NO. OF STUDENTS IN THE ACHIEVED SAMPLE

N = NO. OF STUDENTS IN THE TARGET POPULATION

NI = NO. OF STUDENTS IN THE STRATUM I POPULATION

MI = NO. OF STUDENTS IN THE ACHIEVED SAMPLE IN STRATUM I

SI = NO. OF SCHOOLS IN THE ACHIEVED SAMPLE FOR STRATUM I

NJ = NO. OF STUDENTS IN THE ACHIEVED SAMPLE FOR SCHOOL J

WEIGHTING - BRITISH COLUMBIA - POP A

M=2228

N=41356

COL 1 = STRATUM

COL 2 = SCHOOL

COL 3 = CLASS

COL 3.1 = NUMBER

COL 3.2 = ACHIEVED SAMPLE

COL 4 = WEIGHTS

COL 4.1 = W1

COL 4.2 = W2

1	2	3.1	3.2	4.1	4.2
M1=351					
N1=6090					
01	012	01	26	0.935	0.901
01	013	01	27	0.935	0.868
01	015	01	28	0.935	0.837
01	016	01	27	0.935	0.868
01	018	01	23	0.935	1.019
01	021	01	32	0.935	0.732
01	023	01	27	0.935	0.868
01	028	01	27	0.935	0.868
01	030	01	16	0.935	1.465
01	031	01	28	0.935	0.837
01	034	01	26	0.935	0.901
01	161	01	19	0.935	1.233
01	162	01	15	0.935	1.562
01	064	01	30	0.935	0.781
S1=14					
02	050	01	27	1.136	1.059
02	052	01	27	1.136	1.059
02	053	01	26	1.136	1.100
02	055	01	31	1.136	0.923
02	056	01	19	1.136	1.505
02	057	01	24	1.136	1.192
02	059	01	30	1.136	0.953
02	061	01	27	1.136	1.059
02	069	01	33	1.136	0.867
02	070	01	23	1.136	1.243
02	071	01	26	1.136	1.100
02	073	01	28	1.136	1.021
02	076	01	28	1.136	1.021
02	077	01	30	1.136	0.953
02	078	01	27	1.136	1.059
02	079	01	24	1.136	1.192
02	080	01	27	1.136	1.059
02	081	01	30	1.136	0.953
02	083	01	21	1.136	1.362
02	088	01	13	1.136	2.200
02	089	01	15	1.136	1.907
02	090	01	24	1.136	1.192
02	092	01	27	1.136	1.059
02	095	01	00	1.136	0.000
02	096	01	27	1.136	1.059
02	097	01	29	1.136	0.986
02	100	01	29	1.136	0.986
02	101	01	27	1.136	1.059
02	106	01	28	1.136	1.021
02	107	01	28	1.136	1.021
S2=30					
M3=281					
N3=4362					
03	036	01	25	0.836	0.855
03	037	01	30	0.836	0.712
03	038	01	28	0.836	0.762

03	040	01	21	0.836	1.017
03	041	01	28	0.836	0.762
03	044	01	19	0.836	1.124
03	045	01	32	0.836	0.668
03	108	01	21	0.836	1.017
03	110	01	27	0.836	0.791
03	111	01	20	0.836	1.068
03	157	01	30	0.836	0.712

S3=11

M4=386
N4=7448

04	130	01	36	1.040	0.697
04	131	01	29	1.040	0.865
04	135	01	26	1.040	0.965
04	137	01	28	1.040	0.896
04	138	01	22	1.040	1.140
04	139	01	07	1.040	3.583
04	141	01	26	1.040	0.965
04	142	01	29	1.040	0.865
04	144	01	25	1.040	1.003
04	147	01	29	1.040	0.865
04	149	01	24	1.040	1.045
04	150	01	00	1.040	0.000
04	153	01	32	1.040	0.784
04	154	01	32	1.040	0.784
04	155	01	22	1.040	1.140
04	156	01	19	1.040	1.320

S4=16

M5=160
N5=2757

05	003	01	26	0.928	0.816
05	004	01	26	0.928	0.816
05	005	01	27	0.928	0.786
05	007	01	23	0.928	0.922
05	009	01	21	0.928	1.010
05	010	01	17	0.928	1.248
05	011	01	20	0.928	1.061

S5=7

M6=295
N6=4774

06	112	01	24	0.872	0.974
06	113	01	27	0.872	0.866
06	114	01	29	0.872	0.806
06	116	01	24	0.872	0.974
06	117	01	26	0.872	0.899
06	119	01	22	0.872	1.063
06	120	01	30	0.872	0.779
06	123	01	30	0.872	0.779
06	124	01	30	0.872	0.779
06	128	01	29	0.872	0.806
06	158	01	24	0.872	0.974

S6=11

25 ONTARIO POP A

POPULATION DEFINITION:

STUDENTS ENROLLED IN NORMAL GRADE 8
CLASSROOMS IN ONTARIO.

EXCLUDED POPULATION:

A) SPECIAL SCHOOLS (MILITARY HOSPITAL,
REFORMATORY, HANDICAPPED, ETC.)

B) VERY SMALL SCHOOLS (FEWER THAN 10
STUDENTS IN GRADE 8).

TOTAL EXCLUDED POPULATION PROBABLY LESS
THAN 2%.

STRATA:

STRATIFICATION VARIABLE DEFINITIONS.

BIG (50 OR MORE GRADE 8 STUDENTS)
SMALL (FEWER THAN 50 GRADE 8 STUDENTS)

PUBLIC (ENGLISH LANGUAGE)
SEPARATE (ENGLISH LANGUAGE)
PRIVATE (ENGLISH LANGUAGE)
FRENCH LANGUAGE

- R1 CITY TORONTO
- R2 ETOBICOKE AND YORK METROPOLITAN TORONTO BOROUGH
- R3 EAST AND NORTH YORK METROPOLITAN TORONTO BOROUGH
- R4 SCARBOROUGH METROPOLITAN TORONTO BOROUGH
- R5 TORONTO SUBURBS (MISSISSAUGA, BRAMPTON, OSHAWA)
- R6 OTTAWA
- R7 WINDSOR
- R8 LONDON
- R9 WATERLOO, KITCHENER, CAMBRIDGE
- R10 HAMILTON
- R11 NORTHERN ONTARIO CITIES (THUNDER BAY, SAULT STE MARIE,
SUDBURY)
- R12 SMALLER SOUTHERN ONTARIO CITIES (SANIA, BRANTFORD, ST.
CATHARINES, BURLINGTON, OAKVILLE, BARRIE, KINGSTON,
PETERBOROUGH)
- R13 RURAL EASTERN ONTARIO (OTTAWA VALLEY)
- R14 RURAL NORTHWEST ONTARIO (THUNDER BAY AREA)
- R15 RURAL NORTH CENTRE ONTARIO (SUDBURY AREA)
- R16 RURAL NORTHEAST ONTARIO (NORTH BAY AREA)
- R17 RURAL SOUTHWEST ONTARIO (WINDSOR AREA)
- R18 RURAL CENTRAL SOUTHWEST ONTARIO (KITCHENER AREA)
- R19 RURAL NIAGARA AREA
- R20 RURAL CENTRAL ONTARIO (BARRIE AREA)
- R21 RURAL EAST CENTRAL ONTARIO (LINDSAY AREA)
- R22 RURAL SOUTHEASTERN ONTARIO (KINGSTON AREA)

LIST OF STRATA

- 1. SMALL PUBLIC R1 - R12
- 2. SMALL PUBLIC R13 - R22
- 3. SMALL PUBLIC R14,R15,R16
- 4. SMALL PUBLIC R17,R18
- 5. SMALL PUBLIC R19 - R21
- 6. SMALL SEPARATE R1 - R5

7. SMALL SEPARATE R6 - R12
8. SMALL SEPARATE R13 - R22
9. SMALL FRENCH
10. PRIVATE
11. BIG PUBLIC R1
12. BIG PUBLIC R2
13. BIG PUBLIC R3
14. BIG PUBLIC R4
15. BIG PUBLIC R5
16. BIG PUBLIC R6, R8, R9
17. BIG PUBLIC R7, R10, R11
18. BIG PUBLIC R12,
19. BIG PUBLIC R13, R22
20. BIG PUBLIC R14 - R16, R20
21. BIG PUBLIC R17, R18
22. BIG PUBLIC R19, R21
23. BIG SEPARATE R1 - R5
24. BIG SEPARATE R6 - R12
25. BIG SEPARATE R13 - R22
26. BIG FRENCH

SAMPLING PROCEDURES:

SMALL SCHOOLS (ON THE STRATUM LIST) ARE THOSE WITH LESS THAN 50 GRADE 8 STUDENTS (MEDIAN 25).

SCHOOLS WERE CHOSEN WITH EQUAL PROBABILITY FOR STRATA 1 - 9 AND WITH PROBABILITY PROPORTIONAL TO SIZE (OF GRADE 8) WITHIN STRATUM FOR STRATA 10 - 26. FOR STRATA 1 - 9 ALL STUDENTS WERE SELECTED, IN STRATUM 10 ONE CLASS WAS RANDOMLY SELECTED AND IN STRATA 11 - 26 TWO CLASSES WERE RANDOMLY SELECTED.

FIVE SCHOOLS (WITH REPLACEMENTS) WERE DRAWN FOR EACH STRATUM. NUMBERS OF SCHOOLS AND CLASSES WERE CHOSEN TO GIVE CORRECT REPRESENTATION TO SMALL SCHOOLS AND LARGE SCHOOLS.

NOTE: NOT ALL SELECTED SCHOOLS DECLINING TO PARTICIPATE WERE ABLE TO BE REPLACED AND THERE WERE MINOR DEVIATIONS FROM THE ABOVE PLAN.

WEIGHTING PROCEDURE: WEIGHTS CALCULATED WERE:

$$\text{STRATUM WEIGHTS } W1 = (M/N) * (NI/MI)$$

$$\text{SCHOOL WEIGHTS } W2 = (M/N) * (NI / (SI * (NIJ)))$$

WHERE M = NUMBER OF STUDENTS IN THE TOTAL ACHIEVED SAMPLE
 N = NUMBER OF STUDENTS IN THE POPULATION
 NI = NUMBER OF STUDENTS IN STRATUM I POPULATION
 MI = NUMBER OF STUDENTS IN STRATUM I ACHIEVED SAMPLE
 SI = NUMBER OF SCHOOLS IN ACHIEVED SAMPLE FOR STRATUM I
 NIJ = NUMBER OF STUDENTS IN ACHIEVED SAMPLE FOR CLASS J IN STRATUM I.

NOTE: BECAUSE OF LARGE DIFFERENCES IN CLUSTER SIZE BETWEEN STRATA THE SCHOOL WEIGHTS SUM TO 128 FOR ONLY 116 SCHOOLS. ALTERNATIVE WEIGHTING STRATEGIES WILL BE TESTED.

WEIGHTING - ONTARIO - POP A

M=5013
N=132600

COL 1 = STRATUM
COL 2 = SCHOOL
COL 3 = CLASS
COL 3.1 = NUMBER
COL 3.2 = ACHIEVED SAMPLE
COL 4 = WEIGHTS
COL 4.1 = W1
COL 4.2 = W2

1	2	3.1	3.2	4.1	4.2
---	---	-----	-----	-----	-----

M1=122
N1=6228

01	001	01	25	1.930	3.139
01	002	01	33 66	1.930	1.189
01	002	02	33	1.930	1.189
01	004	01	31	1.930	2.532

S1=3

M2=167
N2=3307

02	006	01	28 37	0.749	0.676
02	006	02	09	0.749	0.676
02	007	01	27	0.749	0.926
02	008	01	23	0.749	1.087
02	009	01	19	0.749	1.316
02	010	01	30 61	0.749	0.410
02	010	02	31	0.749	0.410

S2=5

M3=101
N3=2616

03	011	01	19	0.979	1.301
03	013	01	29	0.979	0.853
03	014	01	19	0.979	1.301
03	015	01	34	0.979	0.727

S3=4

M4=148
N4=4435

04	016	01	33	1.133	1.016
04	017	01	30	1.133	1.118
04	018	01	30	1.133	1.118
04	019	01	32	1.133	1.048
04	020	01	23	1.133	1.458

S4=5

M5=111
N5=3956

05	022	01	17	1.347	2.199
05	023	01	33	1.347	1.133
05	024	01	32	1.347	1.168
05	025	01	29	1.347	1.289

S5=4

M6=109
N6=3323

06	026	01	26	1.153	1.208
06	028	01	31	1.153	1.013
06	027	01	27	1.153	1.163
06	030	01	25	1.153	1.256

S6=4

M7=175
N7=5054

07	031	01	24	1.092	1.592
07	032	01	25	1.092	1.529
07	033	01	28 60	1.092	0.637
07	033	02	32	1.092	0.637
07	034	01	28	1.092	1.365
07	035	01	18 38	1.092	1.006
07	035	02	20	1.092	1.006

S7=5

M8=165
N8=5742

08	036	01	12	1.316	3.618
08	037	01	24 50	1.316	0.868
08	037	02	26	1.316	0.868
08	038	01	48	1.316	0.904
08	039	01	37	1.316	1.173
08	040	01	18	1.316	2.412

S8=5

M9=122
N9=3244

09	041	01	22	1.005	1.115
09	042	01	32	1.005	0.767
09	043	01	24	1.005	1.022
09	044	01	18	1.005	1.363
09	045	01	26	1.005	0.943

S9=5

M10=163
N10=2554

10	046	01	30	0.592	0.536
10	047	01	18 31	0.592	0.519
10	047	02	13	0.592	0.519
10	048	01	22	0.592	0.731
10	049	01	24	0.592	0.671
10	050	01	22	0.592	0.731
10	131	02	34	0.592	0.473

S10=6

M11=203
N11=4324

11	051	01	28	54	0.805	0.757
11	051	02	26		0.805	0.757
11	052	01	28	53	0.805	0.771
11	052	02	29		0.805	0.771
11	053	01	25	54	0.805	0.757
11	053	02	29		0.805	0.757
11	054	01	21	42	0.805	0.973
11	054	02	21		0.805	0.973

S11=4

M12=229
N12=3767

12	056	01	32	67	0.622	0.531
12	056	02	35		0.622	0.531
12	058	01	27	52	0.622	0.685
12	058	02	25		0.622	0.685
12	059	01	27	56	0.622	0.636
12	059	02	29		0.622	0.636
12	060	01	30	54	0.622	0.659
12	056	02	24		0.622	0.659

S12=4

M13=280
N13=5708

13	061	01	30	57	0.771	0.757
13	061	02	27		0.771	0.757
13	062	01	27	57	0.771	0.757
13	062	02	30		0.771	0.757
13	063	01	31	55	0.771	0.785
13	063	02	24		0.771	0.785
13	064	01	28	57	0.771	0.757
13	064	02	29		0.771	0.757
13	065	01	21	54	0.771	0.799
13	065	02	33		0.771	0.799

S13=5

M14=151
N14=4338

14	066	01	30	63	1.086	0.868
14	066	02	33		1.086	0.868
14	069	01	29		1.086	1.885
14	070	01	32	59	1.086	0.927
14	070	02	27		1.086	0.927

S14=3

M15=230
N15=6250

15	071	01	25	51	1.027	0.927
15	071	02	26		1.027	0.927
15	072	01	23	45	1.027	1.050
15	072	02	22		1.027	1.050
15	073	01	29	59	1.027	0.801

15	073	02	30		1.027	0.801
15	074	01	27	49	1.027	0.964
15	074	02	22		1.027	0.964
15	075	01	26		1.027	1.818

S15=5

M16=229
N16=6241

16	076	01	30		1.030	1.573
16	077	01	29	52	1.030	0.907
16	077	02	23		1.030	0.907
16	078	01	30	62	1.030	0.761
16	078	02	32		1.030	0.761
16	079	02	33		1.030	1.430
16	080	01	26	52	1.030	0.907
16	080	02	26		1.030	0.907

S16=5

M17=209
N17=4360

17	081	01	22	52	0.789	0.792
17	081	02	30		0.789	0.792
17	082	01	24	50	0.789	0.824
17	082	02	26		0.789	0.824
17	083	01	24	53	0.789	0.778
17	083	02	29		0.789	0.778
17	084	01	27	54	0.789	0.763
17	084	02	27		0.789	0.763

S17=4

M18=211
N18=5571

18	086	01	28	62	0.998	0.849
18	086	02	34		0.998	0.849
18	088	01	11	34	0.998	1.549
18	088	02	23		0.998	1.549
18	089	01	33	62	0.998	0.849
18	089	02	29		0.998	0.849
18	090	01	19	53	0.998	0.993
18	090	02	34		0.998	0.993

S18=4

M19=233
N19=6426

19	091	01	31	61	1.043	0.797
19	091	02	30		1.043	0.797
19	092	01	11		1.043	4.417
19	093	01	24	48	1.043	1.012
19	093	02	24		1.043	1.012
19	094	01	30	60	1.043	0.810
19	094	02	30		1.043	0.810
19	095	01	25	53	1.043	0.917
19	095	02	28		1.043	0.917

S19=5

M20=276

N20=5354

20	096	01	36	69	0.733	0.587
20	096	02	33		0.733	0.587
20	097	01	11	37	0.733	1.094
20	097	02	26		0.733	1.094
20	098	01	29	57	0.733	0.710
20	098	02	28		0.733	0.710
20	099	01	27	51	0.733	0.794
20	099	02	24		0.733	0.794
20	100	01	32	62	0.733	0.653
20	100	02	30		0.733	0.653

S20=5

M21=187
N21=7648

21	101	01	29	57	1.546	1.268
21	101	02	28		1.546	1.268
21	103	01	33	61	1.546	1.184
21	103	02	28		1.546	1.184
21	104	01	21	43	1.546	1.681
21	104	02	22		1.546	1.681
21	105	01	26		1.546	2.780

S21=4

M22=233
N22=8663

22	107	01	32	66	1.406	1.241
22	107	02	34		1.406	1.241
22	108	01	29	58	1.406	1.412
22	108	02	29		1.406	1.412
22	109	01	25	52	1.406	1.575
22	109	02	27		1.406	1.575
22	110	01	27	57	1.406	1.436
22	110	01	30		1.406	1.436

S22=4

M23=239
N23=7665

23	112	01	30	58	1.211	1.247
23	112	02	28		1.211	1.247
23	113	01	20	52	1.211	1.391
23	113	02	32		1.211	1.391
23	114	01	34	65	1.211	1.113
23	114	02	31		1.211	1.113
23	115	01	27	64	1.211	1.130
23	115	02	37		1.211	1.130

S23=4

M24=211
N24=6361

24	116	01	27	56	1.140	1.074
24	116	02	29		1.140	1.074

24	117	01	31	56	1.140	1.074
24	117	02	25		1.140	1.074
24	118	01	21	43	1.140	1.398
24	118	02	22		1.140	1.398
24	119	01	28	56	1.140	1.074
24	119	02	28		1.140	1.074

S24=4

M25=295
N25=5758

25	121	01	27	56	0.738	0.777
25	121	02	29		0.738	0.777
25	122	01	31	61	0.738	0.714
25	122	02	30		0.738	0.714
25	123	01	32	65	0.738	0.670
25	123	02	33		0.738	0.670
25	124	01	30	61	0.738	0.714
25	124	02	31		0.738	0.714
25	125	01	26	52	0.738	0.837
25	125	02	26		0.738	0.837

S25=5

M26=214
N26=3777

26	126	01	28	47	0.667	0.608
26	126	02	19		0.667	0.608
26	127	02	32		0.667	0.892
26	128	01	24	46	0.667	0.621
26	128	02	22		0.667	0.621
26	129	01	27	44	0.667	0.649
26	129	02	17		0.667	0.649
26	130	01	23	45	0.667	0.635
26	130	02	22		0.667	0.635

S26=5

40 FRANCE

POPULATION DEFINITION: ALL STUDENTS IN CLASSE DE 4E (GRADE 8)
OF COLLEGES, PRIVATE AND PUBLIC EDUCATION
IN METROPOLITAN FRANCE.

EXCLUDED POPULATION: STUDENTS IN EIGHTH GRADE CLASSES OF
PUBLIC AND PRIVATE COLLEGES IN OVERSEAS
TERRITORIES AND DEPARTMENTS OF FRANCE.

STUDENTS IN 'PRACTICAL' OR 'AMENAGEE'
EIGHTH GRADE CLASSES, 18677 STUDENTS IN
1978-79

STUDENTS IN AGE 13 WHO HAVE BEEN GUIDED
TOWARDS TECHNICAL OR PROFESSIONAL
TRAINING CLASSES (4335 STUDENTS IN
1978-79)

NOTE: THE EXCLUDED POPULATION WITHIN FRANCE APPEARS TO BE OF THE ORDER OF 5%.

STRATA:

STRATIFICATION VARIABLES:

1. PUBLIC/PRIVATE EDUCATION
 2. LOCATION (RURAL OUTSIDE INDUSTRIAL AND URBAN AREAS, RURAL WITHIN INDUSTRIAL AND URBAN AREAS, URBAN, PARIS)
- I.E. 8 STRATA

LIST OF STRATA:

1. STATE EDUCATION, RURAL OUTSIDE INDUSTRIAL AND URBAN AREAS
2. STATE EDUCATION, RURAL WITHIN INDUSTRIAL AND URBAN AREAS
3. STATE EDUCATION, URBAN
4. STATE EDUCATION, PARIS CONURBATION
5. PRIVATE EDUCATION, RURAL OUTSIDE INDUSTRIAL AND URBAN AREAS.
6. PRIVATE EDUCATION, RURAL WITHIN INDUSTRIAL AND URBAN AREAS.
7. PRIVATE EDUCATION, URBAN
8. PRIVATE EDUCATION, PARIS CONURBATION.

SAMPLING PROCEDURE:

1. SYSTEMATIC DRAWING OF 6 ACADAMIES (UNIVERSITY REGIONS) OUT OF THE 26 ACADAMIES IN METROPOLITAN FRANCE. FOR THIS ACADAMIES WERE ARRANGED IN DECREASING ORDER ACCORDING TO PERCENT OF PRIVATE EDUCATION STUDENTS. REGIONS SELECTED WERE: RENNES, DIJON, LYONS, TOULOUSE, VERSAILLES, REIMS. INFORMATION SUPPLIED BY NATIONAL CENTRE INDICATES SES DISTRIBUTION FOR THE SAMPLE MATCHES DISTRIBUTION FOR THE POPULATION VERY CLOSELY.
2. SCHOOLS SELECTED WITH PROBABILITY PROPORTIONAL TO SIZE OF EIGHTH GRADE.
3. TWO CLASSES RANDOMLY SELECTED WITHIN EACH SCHOOL.
NOTE: PSEUDOSCHOOLS WERE CREATED BY COMBINING TWO SMALL SCHOOLS WHERE ONLY ONE EIGHTH GRADE CLASS EXISTED IN A SELECTED SCHOOL.

WEIGHTS CALCULATED:

$$W1 = (M/N) * (NI/MI)$$
$$W2 = (M/N) * (NI / (SI * NIJ))$$

WHERE N = TOTAL NUMBER OF STUDENTS IN THE ACHIEVED SAMPLE
M = TOTAL NUMBER OF STUDENTS IN THE POPULATION
NI = NUMBER OF STUDENTS IN THE POPULATION IN STRATUM I
MI = NUMBER OF STUDENTS IN THE ACHIEVED SAMPLE IN STRATUM I
SI = NUMBER OF SCHOOLS IN THE ACHIEVED SAMPLE IN STRATUM I
NIJ = NUMBER OF STUDENTS IN THE ACHIEVED SAMPLE FOR SCHOOL J OF STRATUM I.

WEIGHTING - FRANCE - POP A

M=8889

N=173,632

COL 1 = STRATUM
COL 2 = SCHOOL
COL 3 = CLASS
COL 3.1 = NUMBER
COL 3.2 = ACHIEVED SAMPLE
COL 4 = WEIGHTS
COL 4.1 = W1
COL 4.2 = W2

1	2	3.1	3.2	4.1	4.2	
1						
M1=907	002	01	21	38	0.448	0.509
N1=7933	002	02	17		0.448	0.509
	009	01	25	53	0.448	0.365
	009	02	28		0.448	0.365
	014	01	24	45	0.448	0.430
	014	02	21		0.448	0.430
	015	01	25	51	0.448	0.379
	015	02	26		0.448	0.379
	052	01	22	42	0.448	0.460
	052	02	20		0.448	0.460
	061	01	20	40	0.448	0.483
	061	02	20		0.448	0.483
	063	01	23	42	0.448	0.460
	063	02	19		0.448	0.460
	091	01	21	42	0.448	0.460
	091	02	21		0.448	0.460
	096	01	27	55	0.448	0.352
	096	02	28		0.448	0.352
	097	01	26	51	0.448	0.379
	097	02	25		0.448	0.379
	106	01	26	51	0.448	0.379
	106	02	25		0.448	0.379
	111	01	25	44	0.448	0.440
	111	02	19		0.448	0.440
	114	01	26	48	0.448	0.403
	114	02	22		0.448	0.403
	120	01	18	37	0.448	0.523
	120	02	19		0.448	0.523
	121	01	23	46	0.448	0.420
	121	02	23		0.448	0.420
	123	01	27	54	0.448	0.358
	123	02	27		0.448	0.358
	129	01	20	39	0.448	0.500
	129	02	19		0.448	0.500
	134	01	20	36	0.448	0.537
	134	02	16		0.448	0.537
	135	01	22	22	0.448	0.879
	138	01	16	32	0.448	0.604
	138	02	16		0.448	0.604
	141	01	20	39	0.448	0.500
	141	02	19		0.448	0.500
			S1=21			
2						
M2=467	008	01	29	54	0.619	0.536
N2=5649	008	02	25		0.619	0.536
	023	01	23	47	0.619	0.615

023	02	24		0.619	0.615
036	01	23	48	0.619	0.602
036	02	25		0.619	0.602
053	01	22	44	0.619	0.657
053	02	22		0.619	0.657
057	01	27	53	0.619	0.546
057	02	26		0.619	0.546
062	01	20	42	0.619	0.689
062	02	22		0.619	0.689
070	01	23	44	0.619	0.657
070	02	21		0.619	0.657
122	01	20	35	0.619	0.826
122	02	15		0.619	0.826
133	01	27	53	0.619	0.546
133	02	26		0.619	0.546
162	01	24	47	0.619	0.615
162	02	23		0.619	0.615

S2=10

3

M3=4425	001	01	24	48	0.971	0.984
N3=83943	001	02	24		0.971	0.984
	003	01	26	50	0.971	0.944
	003	02	24		0.971	0.944
	004	01	25	49	0.971	0.964
	004	02	24		0.971	0.964
	005	01	28	50	0.971	0.944
	005	02	22		0.971	0.944
	006	01	19	42	0.971	1.124
	006	02	23		0.971	1.124
	007	01	25	50	0.971	0.944
	007	02	25		0.971	0.944
	010	01	26	50	0.971	0.944
	010	02	24		0.971	0.944
	011	01	23	47	0.971	1.005
	011	02	24		0.971	1.005
	012	01	24	53	0.971	0.891
	012	02	29		0.971	0.891
	013	01	24	49	0.971	0.964
	013	02	25		0.971	0.964
	016	01	21	47	0.971	1.005
	016	02	26		0.971	1.005
	017	01	27	55	0.971	0.859
	017	02	28		0.971	0.859
	020	01	24	48	0.971	0.984
	020	02	24		0.971	0.984
	021	01	23	45	0.971	1.049
	021	02	22		0.971	1.049
	022	01	28	53	0.971	0.891
	022	02	25		0.971	0.891
	024	01	24	48	0.971	0.984
	024	02	24		0.971	0.984
	025	01	25	49	0.971	0.964
	025	02	24		0.971	0.964
	026	01	20	44	0.971	1.073
	026	02	24		0.971	1.073
	027	01	24	49	0.971	0.964
	027	02	25		0.971	0.964
	028	01	23	47	0.971	1.005
	028	02	24		0.971	1.005
	029	01	30	54	0.971	0.875

029	02	24		0.971	0.875
030	01	24	48	0.971	0.984
030	02	24		0.971	0.984
031	01	22	47	0.971	1.005
031	02	25		0.971	1.005
032	01	23	47	0.971	1.005
032	02	24		0.971	1.005
033	01	23	47	0.971	1.005
033	02	24		0.971	1.005
034	01	24	44	0.971	1.073
034	02	20		0.971	1.073
035	01	24	48	0.971	0.984
035	02	24		0.971	0.984
037	01	26	53	0.971	0.891
037	02	27		0.971	0.891
038	01	29	57	0.971	0.828
038	02	28		0.971	0.828
039	01	24	46	0.971	1.027
039	02	22		0.971	1.027
040	01	35	61	0.971	0.774
040	02	26		0.971	0.774
041	01	23	49	0.971	0.964
041	02	26		0.971	0.964
042	01	20	46	0.971	1.027
042	02	26		0.971	1.027
054	01	24	54	0.971	0.875
054	02	30		0.971	0.875
055	01	22	48	0.971	0.984
055	02	26		0.971	0.984
056	01	25	49	0.971	0.964
056	02	24		0.971	0.964
058	01	26	51	0.971	0.926
058	02	25		0.971	0.926
059	01	20	44	0.971	1.073
059	02	24		0.971	1.073
060	01	23	47	0.971	1.005
060	02	24		0.971	1.005
064	01	23	46	0.971	1.027
064	02	23		0.971	1.027
065	01	23	46	0.971	1.027
065	02	23		0.971	1.027
066	01	22	44	0.971	1.073
066	02	22		0.971	1.073
067	01	24	48	0.971	0.984
067	02	24		0.971	0.984
068	01	22	43	0.971	1.098
068	02	21		0.971	1.098
069	01	26	51	0.971	0.926
069	02	25		0.971	0.926
092	01	24	54	0.971	0.875
092	02	30		0.971	0.875
093	01	30	54	0.971	0.875
093	02	24		0.971	0.875
095	01	23	47	0.971	1.005
095	02	24		0.971	1.005
098	01	26	50	0.971	0.944
098	02	24		0.971	0.944
100	01	21	41	0.971	1.152
100	02	20		0.971	1.152
101	01	29	29	0.971	1.628
102	01	23	46	0.971	1.027

102	02	23		0.971	1.027
103	01	24	48	0.971	0.984
103	02	24		0.971	0.984
104	01	25	50	0.971	0.944
104	02	25		0.971	0.944
105	01	27	52	0.971	0.908
105	02	25		0.971	0.908
107	01	25	52	0.971	0.908
107	02	27		0.971	0.908
108	01	21	47	0.971	1.005
108	02	26		0.971	1.005
110	01	25	49	0.971	0.964
110	02	24		0.971	0.964
112	01	30	59	0.971	0.800
112	02	29		0.971	0.800
113	01	24	47	0.971	1.005
113	02	23		0.971	1.005
115	01	26	52	0.971	0.908
115	02	26		0.971	0.908
116	01	29	55	0.971	0.859
116	02	26		0.971	0.859
117	01	24	48	0.971	0.984
117	02	24		0.971	0.984
118	01	24	48	0.971	0.984
118	02	24		0.971	0.984
124	01	25	50	0.971	0.944
124	02	25		0.971	0.944
125	01	25	49	0.971	0.964
125	02	24		0.971	0.964
126	01	29	52	0.971	0.908
126	02	23		0.971	0.908
127	01	29	29	0.971	1.628
128	01	21	45	0.971	1.049
128	02	24		0.971	1.049
130	01	24	48	0.971	0.984
130	02	24		0.971	0.984
131	01	25	52	0.971	0.908
131	02	27		0.971	0.908
132	01	25	49	0.971	0.964
132	02	24		0.971	0.964
136	01	26	56	0.971	0.843
136	02	30		0.971	0.843
139	01	23	43	0.971	1.098
139	02	20		0.971	1.098
140	01	24	49	0.971	0.964
140	02	25		0.971	0.964
142	01	22	49	0.971	0.964
142	02	27		0.971	0.964
143	01	24	48	0.971	0.984
143	02	24		0.971	0.984
153	01	25	51	0.971	0.926
153	02	26		0.971	0.926
154	01	26	50	0.971	0.944
154	02	24		0.971	0.944
155	01	24	51	0.971	0.926
155	02	27		0.971	0.926
156	01	29	54	0.971	0.875
156	02	25		0.971	0.875
157	01	24	49	0.971	0.964
157	02	25		0.971	0.964
158	01	24	49	0.971	0.964

158	02	25		0.971	0.964
159	01	23	53	0.971	0.891
159	02	30		0.971	0.891
160	01	22	41	0.971	1.152
160	02	19		0.971	1.152
167	01	24	50	0.971	0.944
167	02	26		0.971	0.944
168	01	23	47	0.971	1.005
168	02	24		0.971	1.005
173	01	25	52	0.971	0.908
173	02	27		0.971	0.908
187	01	24	46	0.971	1.027
187	02	22		0.971	1.027
196	01	26	52	0.971	0.908
196	02	26		0.971	0.908
197	01	23	42	0.971	1.124
197	02	19		0.971	1.124

S3=91

4

M4=1084	151	01	20	40	1.561	1.923
N4=33051	151	02	20		1.561	1.923
	152	01	23	50	1.561	1.538
	152	02	27		1.561	1.538
	161	01	24	50	1.561	1.538
	161	02	26		1.561	1.538
	163	01	24	48	1.561	1.602
	163	02	24		1.561	1.602
	164	01	25	51	1.561	1.508
	164	02	26		1.561	1.508
	165	01	27	53	1.561	1.451
	165	02	26		1.561	1.451
	166	01	31	62	1.561	1.240
	166	02	31		1.561	1.240
	169	01	26	52	1.561	1.479
	169	02	26		1.561	1.479
	170	01	23	43	1.561	1.789
	170	02	20		1.561	1.789
	171	01	26	50	1.561	1.538
	171	02	24		1.561	1.538
	172	01	26	51	1.561	1.508
	172	02	25		1.561	1.508
	174	01	21	43	1.561	1.789
	174	02	22		1.561	1.789
	175	01	21	44	1.561	1.748
	175	02	23		1.561	1.748
	176	01	23	46	1.561	1.672
	176	02	23		1.561	1.672
	177	01	24	48	1.561	1.602
	177	02	24		1.561	1.602
	178	01	22	47	1.561	1.636
	178	02	25		1.561	1.636
	179	01	28	57	1.561	1.349
	179	02	29		1.561	1.349
	180	01	24	54	1.561	1.424
	180	02	30		1.561	1.424
	185	01	24	50	1.561	1.538
	185	02	26		1.561	1.538
	186	01	25	51	1.561	1.508
	186	02	26		1.561	1.508

188	01	23	48	1.561	1.602
188	02	25		1.561	1.602
189	01	22	46	1.561	1.672
189	02	24		1.561	1.672

S4=22

5

M5=212	075	01	24	49	0.939	0.813
N5=3889	075	02	25		0.939	0.813
	084	01	23	42	0.939	0.948
	084	02	19		0.939	0.948
	089	01	26	53	0.939	0.751
	089	02	27		0.939	0.751
	148	01	18		0.939	0.926
	148	02	25	43	0.939	0.926
	149	01	25	25	0.939	1.593

S5=5

6

M6=99	045	01	25	50	0.821	0.813
N6=1588	045	02	25		0.821	0.813
	088	01	27	49	0.821	0.830
	088	02	22		0.821	0.830

S6=2

7

M7=1283	018	01	22	48	1.200	1.146
N7=30083	018	02	26		1.200	1.146
	019	01	24	48	1.200	1.146
	019	02	24		1.200	1.146
	043	01	26	53	1.200	1.038
	043	02	27		1.200	1.038
	044	01	21	48	1.200	1.146
	044	02	27		1.200	1.146
	046	01	24	24	1.200	2.292
	047	01	24	45	1.200	1.222
	047	02	21		1.200	1.222
	048	01	27	56	1.200	0.982
	048	02	29		1.200	0.982
	049	01	30	61	1.200	0.902
	049	02	31		1.200	0.902
	050	01	25	25	1.200	2.200
	051	01	25	49	1.200	1.123
	051	02	24		1.200	1.123
	071	01	27	51	1.200	1.078
	071	02	24		1.200	1.078
	072	01	18	18	1.200	3.056
	073	01	16	16	1.200	3.438
	074	01	26	48	1.200	1.146
	074	02	22		1.200	1.146
	077	01	31	49	1.200	1.123
	077	02	18		1.200	1.123
	078	01	26	49	1.200	1.123
	078	02	23		1.200	1.123
	079	01	26	55	1.200	1.000
	079	02	29		1.200	1.000
	080	01	22	45	1.200	1.222
	080	02	23		1.200	1.222
	081	01	25	52	1.200	1.058
	081	02	27		1.200	1.058
	083	01	26	50	1.200	1.100

083	02	24		1.200	1.100
085	01	24	47	1.200	1.170
085	02	23		1.200	1.170
086	01	27	50	1.200	1.100
086	02	23		1.200	1.100
087	01	25	52	1.200	1.058
087	02	27		1.200	1.058
090	01	20	41	1.200	1.342
090	02	21		1.200	1.342
144	01	22	44	1.200	1.250
144	02	22		1.200	1.250
145	01	24	44	1.200	1.250
145	02	20		1.200	1.250
146	01	28	56	1.200	0.982
146	02	28		1.200	0.982
190	01	31	59	1.200	0.932
190	02	28		1.200	0.932

S7=28

8

M8=412	181	01	28	56	0.931	0.857
N8=7496	181	02	28		0.931	0.857
	182	01	26	56	0.931	0.857
	182	02	30		0.931	0.857
	183	01	24	50	0.931	0.959
	183	02	26		0.931	0.959
	184	01	23	23	0.931	2.086
	191	01	30	60	0.931	0.799
	191	02	30		0.931	0.799
	192	01	25	49	0.931	0.979
	192	02	24		0.931	0.979
	193	01	30	60	0.931	0.799
	193	02	30		0.931	0.799
	194	01	31	58	0.931	0.827
	194	02	27		0.931	0.827

S8=8

54 JAPAN

POPULATION DEFINITION: STUDENTS IN GRADE 1 LOWER SECONDARY
(GRADE 7 EQUIVALENT)

EXCLUDED POPULATION: STUDENTS OF PRIVATE SCHOOLS AND SCHOOLS
FOR THE HANDICAPPED.

NOTE: STATISTICS FROM "EDUCATIONAL STATISTICS JAPAN",
1976 EDITION, MINISTRY OF EDUCATION SCIENCE AND
CULTURE INDICATE THAT APPROXIMATELY 3% LOWER
SECONDARY STUDENTS ATTEND PRIVATE SCHOOLS AND
APPROXIMATELY 1% OF STUDENTS ARE IN SPECIAL
CLASSES.

STRATA: LOCATION BY SCHOOL SIZE

LIST OF STRATA:

- 11 TOWN OR VILLAGE WITH POPULATION LESS THAN 50,000
SCHOOL SIZE LESS THAN 150.
- 12 TOWN OR VILLAGE WITH POPULATION LESS THAN 50,000

SCHOOL SIZE 150 - 499
 13 TOWN OR VILLAGE WITH POPULATION LESS THAN 50,000
 SCHOOL SIZE 500 - 999
 14 TOWN OR VILLAGE WITH POPULATION LESS THAN 50,000
 SCHOOL SIZE 1000 - 1499
 21 SMALL CITY, POPULATION LESS THAN 200,000
 SCHOOL SIZE LESS THAN 150
 22 SMALL CITY, POPULATION LESS THAN 200,000
 SCHOOL SIZE 150 - 499
 23 SMALL CITY, POPULATION LESS THAN 200,000
 SCHOOL SIZE 500 - 999
 24 SMALL CITY, POPULATION LESS THAN 200,000
 SCHOOL SIZE 1000 - 1499
 25 SMALL CITY, POPULATION LESS THAN 200,000
 SCHOOL SIZE GREATER THAN 1500
 31 LARGE CITY, POPULATION LESS THAN 1,000,000
 SCHOOL SIZE LESS THAN 150
 32 LARGE CITY, POPULATION LESS THAN 1,000,000
 SCHOOL SIZE 150 - 499
 33 LARGE CITY, POPULATION LESS THAN 1,000,000
 SCHOOL SIZE 500 - 999
 34 LARGE CITY, POPULATION LESS THAN 1,000,000
 SCHOOL SIZE 1000 - 1499
 35 LARGE CITY, POPULATION LESS THAN 1,000,000
 SCHOOL SIZE GREATER THAN 1500
 42 METRO WITH POPULATION GREATER THAN 1,000,000
 SCHOOL SIZE 150 - 499
 43 METRO WITH POPULATION GREATER THAN 1,000,000
 SCHOOL SIZE 500 - 999
 44 METRO WITH POPULATION GREATER THAN 1,000,000
 SCHOOL SIZE 1000 - 1499
 45 METRO WITH POPULATION GREATER THAN 1,000,000
 SCHOOL SIZE GREATER THAN 1500
 56 NATIONAL SCHOOLS

SAMPLING PROCEDURE: SCHOOLS SELECTED WITH PROBABILITY PROPORTIONAL TO SIZE, THEN ONE CLASS SCHOOL RANDOMLY SELECTED. INTACT CLASSES TESTED.

WEIGHTS CALCULATED: W1 = STRATUM WEIGHTS
 W2 = SCHOOL (CLASS) WEIGHTS

$$\begin{aligned}
 W1 &= (M/N) * (NI/MI) \\
 W2 &= (M/N) * (NI / (SI * NJ))
 \end{aligned}$$

M = NO. OF STUDENTS IN THE ACHIEVED SAMPLE
 N = NO. OF STUDENTS IN THE TARGET POPULATION
 NI = NO. OF STUDENTS IN THE STRATUM I POPULATION
 MI = NO. OF STUDENTS IN THE ACHIEVED SAMPLE IN STRATUM I
 SI = NO. OF SCHOOLS IN THE ACHIEVED SAMPLE FOR STRATUM I
 NJ = NO. OF STUDENTS IN THE ACHIEVED SAMPLE FOR SCHOOL J

WEIGHTING - JAPAN - POP A

M=8091
 N=1500103

COL 1 = STRATUM
 COL 2 = SCHOOL/CLASS NUMBER
 COL 3 = ACHIEVED SAMPLE

COL 4 = WEIGHTS

COL 4.1 = W1

COL 4.2 = W2

1 2 3 4.1 4.2

M11=239
N11=39534

11	001	12	0.892	1.615
11	044	20	0.892	0.969
11	048	37	0.892	0.524
11	154	19	0.892	1.020
11	156	27	0.892	0.718
11	176	07	0.892	2.769
11	183	27	0.892	0.718
11	199	24	0.892	0.808
11	209	20	0.892	0.969
11	213	10	0.892	1.938
11	225	36	0.892	0.538

S11=11

M12=1214
N12=215358

12	002	36	0.957	0.949
12	012	40	0.957	0.854
12	018	39	0.957	0.876
12	024	31	0.957	1.102
12	025	39	0.957	0.876
12	026	32	0.957	1.068
12	032	38	0.957	0.899
12	036	32	0.957	1.068
12	040	41	0.957	0.833
12	041	40	0.957	0.854
12	042	39	0.957	0.876
12	045	38	0.957	0.899
12	049	34	0.957	1.005
12	094	33	0.957	1.035
12	109	31	0.957	1.102
12	110	30	0.957	1.139
12	114	37	0.957	0.923
12	115	34	0.957	1.005
12	133	42	0.957	0.813
12	159	37	0.957	0.923
12	160	31	0.957	1.102
12	162	32	0.957	1.068
12	166	43	0.957	0.795
12	173	37	0.957	0.923
12	179	37	0.957	0.923
12	186	31	0.957	1.102
12	196	36	0.957	0.949
12	197	33	0.957	1.035
12	210	33	0.957	1.035
12	215	34	0.957	1.005
12	216	32	0.957	1.068
12	217	37	0.957	0.923
12	218	31	0.957	1.102
12	220	44	0.957	0.776

S12=34

M13=1152
N13=184870

13	013	42	0.866	0.848
13	014	36	0.866	0.989
13	019	40	0.866	0.890
13	020	45	0.866	0.791
13	030	35	0.866	1.017
13	031	40	0.866	0.890
13	037	45	0.866	0.791
13	043	44	0.866	0.809
13	054	40	0.866	0.890
13	060	40	0.866	0.890
13	068	42	0.866	0.848
13	095	41	0.866	0.869
13	099	39	0.866	0.913
13	103	37	0.866	0.962
13	105	38	0.866	0.937
13	106	43	0.866	0.828
13	111	41	0.866	0.869
13	116	41	0.866	0.869
13	117	44	0.866	0.809
13	177	39	0.866	0.913
13	178	43	0.866	0.828
13	180	45	0.866	0.791
13	184	42	0.866	0.848
13	187	38	0.866	0.937
13	200	45	0.866	0.791
13	205	39	0.866	0.913
13	214	45	0.866	0.791
13	221	43	0.866	0.828

S13=28

M14=205
N14=36975

14	124	40	0.973	0.997
14	134	41	0.973	0.973
14	155	44	0.973	0.906
14	188	42	0.973	0.950
14	189	38	0.973	1.050

S14=5

M21=29
N21=6032

15	170	17	1.122	0.957
15	211	12	1.122	1.356

S21=2

M22=263
N22=53175

22	003	34	1.091	1.205
22	004	44	1.091	0.931
22	021	34	1.091	1.205
22	033	38	1.091	1.078
22	050	39	1.091	1.051
22	125	37	1.091	1.107
22	174	37	1.091	1.107

S22=7

M23=981

N23=193214

23	005	40	1.062	1.002
23	006	38	1.062	1.055
23	007	32	1.062	1.253
23	027	25	1.062	1.603
23	046	42	1.062	0.954
23	051	42	1.062	0.954
23	055	41	1.062	0.978
23	061	39	1.062	1.028
23	082	41	1.062	0.978
23	083	39	1.062	1.028
23	096	39	1.062	1.028
23	100	37	1.062	1.083
23	107	42	1.062	0.954
23	112	37	1.062	1.083
23	113	41	1.062	0.978
23	126	43	1.062	0.932
23	127	44	1.062	0.911
23	135	40	1.062	1.002
23	136	45	1.062	0.891
23	138	43	1.062	0.932
23	139	35	1.062	1.145
23	161	38	1.062	1.055
23	168	00	1.062	-
23	181	36	1.062	1.113
23	198	44	1.062	0.911
23	212	38	1.062	1.055

S23=26

M24=450

N24=99471

24	028	42	1.192	1.161
24	052	42	1.192	1.161
24	056	42	1.192	1.161
24	062	42	1.192	1.161
24	063	41	1.192	1.190
24	097	39	1.192	1.251
24	108	40	1.192	1.219
24	119	42	1.192	1.161
24	128	38	1.192	1.284
24	129	38	1.192	1.284
24	137	44	1.192	1.108

S24=11

M25=83

N25=10070

25	015	43	0.654	0.632
25	120	40	0.654	0.679

S25=2

M31=26

N31=2966

31	038	26	0.615	0.615
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S31=1

M32=188
N32=35088

32	047	40	1.007	0.946
32	101	27	1.007	1.402
32	167	38	1.007	0.996
32	185	41	1.007	0.923
32	206	42	1.007	0.901

S32=5

M33=867
N33=154945

33	016	42	0.964	0.904
33	017	38	0.964	1.000
33	022	38	0.964	1.000
33	034	40	0.964	0.950
33	039	40	0.964	0.950
33	053	40	0.964	0.950
33	057	39	0.964	0.974
33	058	42	0.964	0.904
33	059	45	0.964	0.844
33	064	40	0.964	0.950
33	065	29	0.964	1.310
33	084	38	0.964	1.000
33	085	41	0.964	0.927
33	098	44	0.964	0.863
33	121	39	0.964	0.974
33	130	41	0.964	0.927
33	163	40	0.964	0.950
33	164	39	0.964	0.974
33	168	32	0.964	1.187
33	201	38	0.964	1.000
33	202	39	0.964	0.974
33	219	43	0.964	0.883

S33=22

M34=857
N34=157446

34	023	43	0.991	0.940
34	029	43	0.991	0.940
34	035	43	0.991	0.940
34	066	44	0.991	0.919
34	067	38	0.991	1.064
34	069	42	0.991	0.963
34	102	41	0.991	0.986
34	104	42	0.991	0.963
34	118	39	0.991	1.037
34	122	41	0.991	0.986
34	157	41	0.991	0.986
34	165	42	0.991	0.963
34	169	39	0.991	1.037
34	171	40	0.991	1.011
34	175	35	0.991	1.155
34	182	37	0.991	1.093
34	203	39	0.991	1.037
34	204	41	0.991	0.986
34	207	43	0.991	0.940
34	222	41	0.991	0.986

34	226	43	0.991	0.940
		S34=21		

M35=200
N35=35185

35	086	36	0.949	1.054
35	123	43	0.949	0.883
35	158	39	0.949	0.973
35	172	40	0.949	0.949
35	208	42	0.949	0.904
		S35=5		

M42=111
N42=19610

42	070	38	0.953	0.928
42	091	33	0.953	1.068
42	191	40	0.953	0.881
		S42=3		

M43=777
N43=144187

42	008	42	1.001	0.975
42	009	39	1.001	1.050
42	010	41	1.001	0.998
42	011	42	1.001	0.975
42	071	43	1.001	0.952
42	072	45	1.001	0.910
42	073	40	1.001	1.023
42	074	42	1.001	0.975
42	075	42	1.001	0.975
42	076	38	1.001	1.077
42	077	37	1.001	1.106
42	078	38	1.001	1.077
42	079	41	1.001	0.998
42	080	41	1.001	0.998
42	087	41	1.001	0.998
42	092	43	1.001	0.952
42	190	41	1.001	0.998
42	192	43	1.001	0.952
42	193	38	1.001	1.077
		S34=19		

M44=330
N44=87467

44	081	44	1.430	1.340
44	088	44	1.430	1.340
44	089	42	1.430	1.404
44	093	35	1.430	1.685
44	131	39	1.430	1.512
44	132	42	1.430	1.404
44	194	44	1.430	1.340
44	195	40	1.430	1.474
		S44=8		

M45=39
N45=12534

45	090	39	1.733	1.733
		S45=1		

M56=80
N56=11976

56	223	40	0.807	0.807
56	224	40	0.807	0.807
		S56=2		

63 NEW ZEALAND

POPULATION DEFINITION:

" ALL STUDENTS WHO ARE IN NORMAL CLASSES IN FORM 3". THIS IS THE YEAR LEVEL WHERE THE MAJORITY HAS ATTAINED THE AGE 13.00 TO 13.11 YEARS BY THE MIDDLE OF THE SCHOOL YEAR.

EXCLUDED POPULATION:

STUDENTS ENROLLED WITH THE CORRESPONDENCE SCHOOL AND THOSE IN SPECIAL SCHOOLS FOR THE HANDICAPPED. THE EXCLUDED POPULATION IS 0.6% OF THE TARGET POPULATION.

STRATA: SCHOOL TYPE (PRIVATE, STATE) BY SEX OF STUDENTS (BOYS, GIRLS, COEDUCATIONAL)

LIST OF STRATA

1. PRIVATE, BOYS
2. PRIVATE, GIRLS
3. PRIVATE, COED
4. STATE, BOYS
5. STATE, GIRLS
6. STATE, COED

SAMPLING PROCEDURE:

SCHOOLS SELECTED BY RANDOM START CONSTANT INTERVAL, PPS. TWO CLASSES SELECTED WITHIN SCHOOL. RANDOM START CONSTANT INTERVAL PROCEDURE USED TO SELECT SCHOOL ALSO SELECTS FIRST CLASS. SECOND CLASS RANDOMLY SELECTED WITHIN SCHOOL. ALL STUDENTS WITHIN SELECTED CLASSES INCLUDED IN THE SAMPLE, I.E. INTACT CLASSES.

WEIGHTS CALCULATED: $W1 = (M/N) * (NI/MI)$
 $W2 = (M/N) * (NI/(SI * NJ))$

M = NO. OF STUDENTS IN THE ACHIEVED SAMPLE
N = NO. OF STUDENTS IN THE TARGET POPULATION
NI = NO. OF STUDENTS IN THE STRATUM I POPULATION
MI = NO. OF STUDENTS IN THE ACHIEVED SAMPLE IN STRATUM I
SI = NO. OF SCHOOLS IN THE ACHIEVED SAMPLE FOR STRATUM I
NJ = NO. OF STUDENTS IN THE ACHIEVED SAMPLE FOR SCHOOL J

WEIGHTING - NEW ZEALAND - POP A

M=5178
N=59,873

COL 1 = STRATUM
 COL 2 = SCHOOL
 COL 3 = CLASS
 COL 3.1 = NUMBER
 COL 3.2 = ACHIEVED SAMPLE
 COL 4 = WEIGHTS
 COL 4.1 = W1
 COL 4.2 = W2

1	2	3.1	3.2	4.1	4.2
1					
M1=303	101	01	21	1.037	1.277
N1=3480	101	02	20	1.037	1.277
	102	01	25	1.037	1.114
	102	02	22	1.037	1.114
	103	01	28	1.037	0.935
	103	02	28	1.037	0.935
	104	01	29	1.037	0.902
	104	02	29	1.037	0.902
	105	01	28	1.037	1.189
	105	02	16	1.037	1.189
	106	01	28	1.037	0.918
	106	02	29	1.037	0.918
			S1=6		
2					
M2=267	201	01	22	1.157	1.095
N2=3424	201	02	25	1.157	1.095
	202	01	30	1.157	0.844
	202	02	31	1.157	0.844
	203	01	23	1.157	2.238
	204	01	17	1.157	1.514
	204	02	17	1.157	1.514
	205	01	23	1.157	1.170
	205	02	21	1.157	1.170
	206	01	29	1.157	0.888
	206	02	29	1.157	0.888
			S2=6		
3					
M3=102	301	01	28	0.839	0.778
N3=948	301	02	27	0.839	0.778
	302	01	24	0.839	0.910
	302	02	23	0.839	0.910
			S3=2		
4					
M4=565	401	01	31	0.935	0.911
N4=5855	401	02	27	0.935	0.911
	402	01	36	0.935	0.766
	402	02	33	0.935	0.766
	403	01	31	0.935	0.866
	403	02	30	0.935	0.866
	404	01	23	0.935	0.978
	404	02	31	0.935	0.978
	405	01	27	0.935	1.016
	405	02	25	0.935	1.016
	406	01	25	0.935	1.078
	406	02	24	0.935	1.078
	407	01	30	0.935	0.911

407	02	28	0.935	0.911
408	01	26	0.935	1.174
408	02	19	0.935	1.174
409	01	30	0.935	0.895
409	02	29	0.935	0.895
410	01	29	0.935	0.880
410	02	31	0.935	0.880

S4=10

5

M5=483	501	01	27	1.009	1.042
N5=5405	501	02	25	1.009	1.042
	502	01	26	1.009	0.918
	502	02	33	1.009	0.918
	503	01	26	1.009	0.985
	503	02	29	1.009	0.985
	504	01	28	1.009	1.153
	504	02	19	1.009	1.153
	505	01	28	1.009	0.934
	505	02	30	1.009	0.934
	506	01	15	1.009	1.231
	506	02	29	1.009	1.231
	507	01	31	1.009	0.888
	507	02	31	1.009	0.888
	508	01	27	1.009	1.022
	508	02	26	1.009	1.022
	509	01	24	1.009	1.022
	509	02	29	1.009	1.022

S5=9

6

M6=3681	601	01	26	0.999	1.076
N6=40762	601	02	25	0.999	1.076
	602	01	32	0.999	0.876
	602	02	32	0.999	0.876
	603	01	27	0.999	1.035
	603	02	26	0.999	1.035
	604	01	33	0.999	0.900
	604	02	28	0.999	0.900
	605	01	26	0.999	0.980
	605	02	30	0.999	0.980
	606	01	32	0.999	0.871
	606	02	31	0.999	0.871
	607	01	29	0.999	0.871
	607	02	34	0.999	0.871
	608	01	30	0.999	1.220
	608	02	15	0.999	1.220
	609	01	27	0.999	1.055
	609	02	25	0.999	1.055
	610	01	33	0.999	0.930
	610	02	26	0.999	0.930
	611	01	24	0.999	1.407
	611	02	15	0.999	1.407
	612	01	29	0.999	0.998
	612	02	26	0.999	0.998
	613	01	32	0.999	1.120
	613	02	17	0.999	1.120
	614	01	38	0.999	0.900
	614	02	23	0.999	0.900
	615	01	24	0.999	0.998
	615	02	31	0.999	0.998

616	01	30	0.999	0.885
616	02	32	0.999	0.885
617	01	26	0.999	1.035
617	02	27	0.999	1.035
618	01	26	0.999	1.193
618	02	20	0.999	1.193
619	01	25	0.999	0.980
619	02	31	0.999	0.980
620	01	32	0.999	0.946
620	02	26	0.999	0.946
621	01	24	0.999	1.143
621	02	24	0.999	1.143
622	01	27	0.999	1.016
622	02	27	0.999	1.016
623	01	24	0.999	1.168
623	02	23	0.999	1.168
624	01	31	0.999	0.915
624	02	29	0.999	0.915
625	01	32	0.999	0.930
625	02	27	0.999	0.930
626	01	26	0.999	0.998
626	02	29	0.999	0.998
627	01	28	0.999	1.339
627	02	13	0.999	1.339
628	01	30	0.999	0.930
628	02	29	0.999	0.930
629	01	24	0.999	1.055
629	02	28	0.999	1.055
630	01	33	0.999	0.858
630	02	31	0.999	0.858
631	01	23	0.999	1.076
631	02	28	0.999	1.076
632	01	32	0.999	0.871
632	02	31	0.999	0.871
633	01	21	0.999	1.220
633	02	24	0.999	1.220
634	01	31	0.999	0.946
634	02	27	0.999	0.946
635	01	23	0.999	1.055
635	02	29	0.999	1.055
636	01	30	0.999	0.900
636	02	31	0.999	0.900
637	01	27	0.999	0.963
637	02	30	0.999	0.963
638	01	32	0.999	0.915
638	02	28	0.999	0.915
639	01	28	0.999	0.930
639	02	31	0.999	0.930
640	01	31	0.999	0.915
640	02	29	0.999	0.915
641	01	33	0.999	0.998
641	02	22	0.999	0.998
642	01	29	0.999	0.963
642	02	28	0.999	0.963
643	01	26	0.999	1.055
643	02	26	0.999	1.055
644	01	26	0.999	1.076
644	02	25	0.999	1.076
645	01	30	0.999	0.930
645	02	29	0.999	0.930
646	01	33	0.999	0.858

646	02	31	0.999	0.858
647	01	21	0.999	1.098
647	02	29	0.999	1.098
648	01	31	0.999	0.885
648	02	31	0.999	0.885
649	01	30	0.999	0.980
649	02	26	0.999	0.980
650	01	25	0.999	1.055
650	02	27	0.999	1.055
651	01	33	0.999	0.930
651	02	26	0.999	0.930
652	01	29	0.999	1.098
652	02	21	0.999	1.098
653	01	16	0.999	1.715
653	02	16	0.999	1.715
654	01	28	0.999	0.998
654	02	27	0.999	0.998
655	01	26	0.999	1.035
655	02	27	0.999	1.035
656	01	29	0.999	0.980
656	02	27	0.999	0.980
657	01	20	0.999	1.035
657	02	33	0.999	1.035
658	01	27	0.999	1.120
658	02	22	0.999	1.120
659	01	28	0.999	0.871
659	02	35	0.999	0.871
660	01	20	0.999	1.076
660	02	31	0.999	1.076
661	01	32	0.999	0.871
661	02	31	0.999	0.871
662	01	28	0.999	1.076
662	02	23	0.999	1.076
663	01	29	0.999	1.276
663	02	14	0.999	1.276
664	01	32	0.999	0.844
664	02	33	0.999	0.844
665	01	26	0.999	1.168
665	02	21	0.999	1.168
666	01	33	0.999	0.832
666	02	33	0.999	0.832
667	01	27	0.999	0.900
667	02	34	0.999	0.900

S6=67

79 THAILAND

POPULATION DEFINITION: ALL STUDENTS IN NORMAL CLASSES GRADE
8 IN ALL 71 PROVINCES.

EXCLUDED POPULATION: NONE STATED

STRATA: STRATIFICATION IS BY EDUCATIONAL REGION. SAMPLING
PLANS INDICATED 12 REGIONS BUT BANGKOK IS INCLUD-
ED AS A SEPARATE REGION TO GIVE 13 STRATA.

LIST OF STRATA: 01)
02)
03)

04)
 05)
 06)
 07) DESCRIPTORS NOT SUPPLIED.
 08)
 09)
 10)
 11)
 12)
 13 BANGKOK

SAMPLING PROCEDURES: SCHOOLS SELECTED WITH PROBABILITY
 PROPORTIONAL TO SIZE (WHERE SIZE IS
 THE NUMBER OF GRADE 8 STUDENTS).

ONE CLASS PER SCHOOL THEN RANDOMLY
 SELECTED.

WEIGHTS CALCULATED:

STRATUM WEIGHTS $W1 = (M/N) * (MI/NI)$
 SCHOOL (CLASS) WEIGHTS $W2 = (M/N) * (MI / (SI * NI * J))$

M = ACHIEVED (TOTAL) SAMPLE
 N = NUMBER OF STUDENTS IN (TOTAL) POPULATION
 MI = ACHIEVED SAMPLE FOR STRATUM I
 NI = NUMBER OF STUDENTS IN STRATUM I POPULATION
 SI = NUMBER OF SCHOOLS (CLASSES) IN STRATUM I
 NIJ = ACHIEVED SAMPLE SIZE FOR SCHOOL J IN STRATUM I.

WEIGHTING - THAILAND - POP A

M=3836
 N=345642

COL 1 = STRATUM
 COL 2 = SCHOOL
 COL 3 = CLASS
 COL 3.1 = NUMBER
 COL 3.2 = ACHIEVED SAMPLE
 COL 4 = WEIGHTS
 COL 4.1 = W1
 COL 4.2 = W2

1	2	3.1	3.2	4.1	4.2
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M01=190
 N01=23993

01	001	01	42	1.401	1.268
01	002	01	52	1.401	1.024
01	003	01	27	1.401	1.972
01	004	01	32	1.401	1.664
01	005	01	37	1.401	1.439
			S1=5		

M02=79
 N02=7600

02	006	01	44	1.068	0.958
02	007	01	35	1.068	1.205
			S2=2		

M03=512
N03=40711

03	008	01	42	0.882	0.828
03	009	01	35	0.882	0.993
03	010	01	48	0.882	0.724
03	011	01	30	0.882	1.159
03	012	01	34	0.882	1.022
03	013	01	48	0.882	0.724
03	014	01	31	0.882	1.121
03	015	01	42	0.882	0.828
03	016	01	45	0.882	0.772
03	017	01	38	0.882	0.915
03	018	01	41	0.882	0.848
03	019	01	28	0.882	1.241
03	020	01	50	0.882	0.695

S3=13

M04=102
N04=9217

04	021	01	34	1.003	1.003
04	022	01	37	1.003	0.922
04	023	01	31	1.003	1.100

S4=3

M05=292
N05=19848

05	024	01	42	0.754	0.749
05	025	01	45	0.754	0.699
05	026	01	36	0.754	0.874
05	027	01	45	0.754	0.699
05	028	01	51	0.754	0.617
05	029	01	29	0.754	1.085
05	030	01	44	0.754	0.715

S5=7

M06=301
N06=29903

06	031	01	40	1.103	1.037
06	032	01	42	1.103	0.988
06	033	01	35	1.103	1.185
06	034	01	35	1.103	1.185
06	035	01	30	1.103	1.383
06	036	01	38	1.103	1.092
06	037	01	41	1.103	1.012
06	038	01	40	1.103	1.037

S6=8

M07=235
N07=22145

07	039	01	43	1.046	0.817
07	040	01	37	1.046	0.949
07	041	01	41	1.046	0.856
07	042	01	33	1.046	1.064
07	043	01	30	1.046	1.170
07	044	01	25	1.046	1.404

07	045	01	26	1.046	1.350
			S7=7		

M08=340
N08=27418

08	046	01	49	0.895	0.690
08	047	01	38	0.895	0.890
08	048	01	39	0.895	0.867
08	049	01	31	0.895	1.091
08	050	01	32	0.895	1.057
08	051	01	31	0.895	1.091
08	052	01	48	0.895	0.704
08	053	01	38	0.895	0.890
08	054	01	34	0.895	0.994
			S8=9		

M09=284
N09=24707

09	055	01	49	0.966	0.699
09	056	01	46	0.966	0.745
09	057	01	27	0.966	1.269
09	058	01	34	0.966	1.008
09	059	01	17	0.966	2.016
09	060	01	45	0.966	0.762
09	061	01	26	0.966	1.318
09	062	01	40	0.966	0.857
			S9=8		

M10=396
N10=27908

10	063	01	45	0.782	0.765
10	064	01	41	0.782	0.839
10	065	01	49	0.782	0.702
10	066	01	42	0.782	0.819
10	067	01	27	0.782	1.275
10	068	01	41	0.782	0.839
10	069	01	51	0.782	0.675
10	070	01	46	0.782	0.748
10	071	01	54	0.782	0.637
			S10=9		

M11=268
N11=27120

11	072	01	42	1.123	1.024
11	073	01	41	1.123	1.049
11	074	01	45	1.123	0.956
11	075	01	37	1.123	1.162
11	076	01	37	1.123	1.162
11	077	01	32	1.123	1.344
11	078	01	34	1.123	1.265
			S11=7		

M12=259
N12=21191

12	079	01	27	0.908	1.244
12	080	01	36	0.908	0.933

12	081	01	38	0.908	0.884
12	082	01	40	0.908	0.840
12	083	01	38	0.908	0.884
12	084	01	35	0.908	0.960
12	085	01	45	0.908	0.747

S12=7

M13=578
N13=63881

13	086	01	43	1.227	1.178
13	087	01	44	1.227	1.151
13	088	01	43	1.227	1.178
13	089	01	46	1.227	1.101
13	090	01	49	1.227	1.033
13	091	01	42	1.227	1.206
13	092	01	33	1.227	1.535
13	093	01	48	1.227	1.055
13	094	01	35	1.227	1.447
13	095	01	49	1.227	1.033
13	096	01	34	1.227	1.489
13	097	01	39	1.227	1.298
13	098	01	43	1.227	1.178
13	099	01	30	1.227	1.688

S13=14

81 U.S.A.

POPULATION DEFINITION:

ALL STUDENTS IN THE EIGHTH GRADE OF MAINSTREAM PUBLIC AND NON-PUBLIC SCHOOLS.

EXCLUDED POPULATION:

STUDENTS WITH DISABILITIES (MENTAL, PHYSICAL, EMOTIONAL OR LEARNING) SUFFICIENTLY SEVERE TO REQUIRE THEIR PLACEMENT IN SPECIAL EDUCATION CLASSES RATHER THAN IN MAINSTREAM CLASSES.

STRATA:

STRATIFICATION VARIABLES WERE:

SCHOOL TYPE: (PUBLIC, PRIVATE)

REGIONAL STANDARD METROPOLITAN STATISTICAL AREA (SMSA)
LOCATION: (EAST-CENTRAL, SOUTH-WEST)

METROPOLITAN STATUS CODE: (CITY, SUBURB, OTHER OR DISTRICT OUTSIDE SMSA)

LIST OF STRATA:

1. EAST-CENTRAL/SMSA CITY
2. EAST-CENTRAL/SMSA SUBURB
3. EAST-CENTRAL/NON-SMSA
4. SOUTH-WEST/SMSA CITY

5. SOUTH-WEST/SMSA SUBURB
6. SOUTH-WEST/NON-SMSA
7. PRIVATE

SAMPLING PROCEDURE:

1. SEPARATE NATIONAL PROBABILITY SAMPLES WERE DRAWN FOR PUBLIC AND PRIVATE SCHOOLS.
2. THE NATIONAL PROBABILITY SAMPLE OF SCHOOLS WAS IN TWO STAGES: (ADMINISTRATIVE) DISTRICT AND SCHOOL WITHIN DISTRICT.

FIRST STAGE: A SAMPLE OF SCHOOL DISTRICTS SELECTED WITH PROBABILITY PROPORTIONAL TO SIZE OF DISTRICT ENROLMENT DIVIDED BY GRADE SPAN ON DISTRICT ENROLMENT AS A PPS SIZE MEASURE.

SECOND STAGE: PUBLIC SCHOOLS SELECTED WITHOUT REPLACEMENT, TWO PER GRADE 8 LEVEL, PPS TO THE ESTIMATED NUMBER OF 8TH GRADE STUDENTS IN DISTRICT SCHOOLS.

3. THE NATIONAL PROBABILITY SAMPLE OF PRIVATE SCHOOLS WAS SELECTED WITH PROBABILITY PROPORTIONAL TO SIZE OF TOTAL SCHOOL ENROLMENT.

4. TWO INTACT CLASSES PER SCHOOL SELECTED WITH EQUAL PROBABILITY FROM CONTENT - ABILITY SUBSTRATA.

WEIGHTS CALCULATED:

$$\begin{aligned} \text{STRATUM WEIGHTS } W1 &= (M/N) * (NI/MI) \\ \text{SCHOOL WEIGHTS } W2 &= (M/N) * (NI / (SI * NIJ)) \end{aligned}$$

WHERE

M = TOTAL NUMBER OF STUDENTS IN THE ACHIEVED SAMPLE
 N = TOTAL NUMBER OF STUDENTS IN THE TARGET POPULATION
 NI = NUMBER OF STUDENTS IN THE POPULATION IN STRATUM I
 MI = NUMBER OF STUDENTS IN THE ACHIEVED SAMPLE IN STRATUM I
 SI = NUMBER OF SCHOOLS IN THE ACHIEVED SAMPLE FOR STRATUM I
 NIJ = NUMBER OF STUDENTS IN THE ACHIEVED SAMPLE FOR SCHOOL J IN STRATUM I

WEIGHTING - USA - POP A

M=6862
 N=3681939

COL 1 = STRATUM
 COL 2 = SCHOOL
 COL 3 = CLASS
 COL 3.1 = NUMBER
 COL 3.2 = ACHIEVED SAMPLE
 COL 4 = WEIGHTS
 COL 4.1 = W1
 COL 4.2 = W2

1 2 3.1 3.2 4.1 4.2

M1=697
N1=383841

01	011	01	21	42	1.026	1.310
01	011	02	21		1.026	1.310
01	036	01	30	53	1.026	1.038
01	036	02	23		1.026	1.038
01	040	01	26	56	1.026	0.983
01	040	02	30		1.026	0.983
01	067	01	21	52	1.026	1.058
01	067	02	31		1.026	1.058
01	137	01	34	68	1.026	0.809
01	137	02	34		1.026	0.809
01	138	01	25	50	1.026	1.100
01	138	02	25		1.026	1.100
01	139	01	30	59	1.026	0.933
01	139	02	29		1.026	0.933
01	158	02	22	22	1.026	2.501
01	159	01	34	68	1.026	0.809
01	159	02	34		1.026	0.809
01	202	01	20	34	1.026	1.618
01	202	02	14		1.026	1.618
01	308	01	29	63	1.026	0.873
01	308	02	34		1.026	0.873
01	324	01	38	71	1.026	0.775
01	324	02	33		1.026	0.775
01	328	01	29	59	1.026	0.933
01	328	02	30		1.026	0.933

S1=13

M2=1042
N2=749552

02	001	01	26	26	1.341	2.239
02	002	01	21	54	1.341	1.078
02	002	02	33		1.341	1.078
02	008	01	20	35	1.341	1.663
02	008	02	15		1.341	1.663
02	009	01	19	36	1.341	1.617
02	009	02	17		1.341	1.617
02	010	01	19	34	1.341	1.712
02	010	02	15		1.341	1.712
02	034	01	25	44	1.341	1.323
02	034	02	19		1.341	1.323
02	035	01	19	41	1.341	1.420
02	035	02	22		1.341	1.420
02	039	01	19	42	1.341	1.386
02	039	02	23		1.341	1.386
02	045	01	27	53	1.341	1.098
02	045	02	26		1.341	1.098
02	046	01	23	47	1.341	1.238
02	046	02	24		1.341	1.238
02	047	01	26	45	1.341	1.293
02	047	02	19		1.341	1.293
02	048	01	33	54	1.341	1.078
02	048	02	21		1.341	1.078
02	049	01	27	54	1.341	1.078
02	049	02	27		1.341	1.078
02	050	01	28	28	1.341	2.079

02	068	01	27	45	1.341	1.293
02	068	02	18		1.341	1.293
02	074	02	20	20	1.341	2.910
02	076	01	27	54	1.341	1.078
02	076	02	27		1.341	1.078
02	077	01	27	54	1.341	1.078
02	077	02	27		1.341	1.078
02	103	01	24	24	1.341	2.425
02	130	01	31	56	1.341	1.039
02	130	02	25		1.341	1.039
02	136	01	23	48	1.341	1.213
02	136	02	25		1.341	1.213
02	309	01	15	32	1.341	1.819
02	309	02	17		1.341	1.819
02	335	01	31	58	1.341	1.004
02	335	02	27		1.341	1.004
02	342	01	31	58	1.341	1.004
02	342	02	27		1.341	1.004

S2=24

M3=699

N3=423857

03	004	01	19	48	1.130	1.029
03	004	02	29		1.130	1.029
03	013	01	28	53	1.130	0.932
03	013	02	25		1.130	0.932
03	015	01	23	47	1.130	1.050
03	015	02	24		1.130	1.050
03	018	01	26	51	1.130	0.968
03	018	02	25		1.130	0.968
03	019	01	24	43	1.130	1.148
03	019	02	19		1.130	1.148
03	058	01	17	33	1.130	1.496
03	058	02	16		1.130	1.496
03	059	01	27	27	1.130	1.829
03	060	01	21	40	1.130	1.234
03	060	02	19		1.130	1.234
03	061	01	20	42	1.130	1.176
03	061	02	22		1.130	1.176
03	062	01	19	41	1.130	1.204
03	062	02	22		1.130	1.204
03	078	01	21	46	1.130	1.097
03	078	02	25		1.130	1.097
03	080	01	23	54	1.130	0.914
03	080	02	31		1.130	0.914
03	106	01	23	23	1.130	2.147
03	133	01	28	55	1.130	0.898
03	133	02	27		1.130	0.898
03	210	01	32	61	1.130	0.809
03	210	02	29		1.130	0.809
03	303	01	17	36	1.130	1.371
03	303	02	19		1.130	1.371

S3=16

M4=1034

N4=393500

04	012	01	35	35	0.709	0.911
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04	030	01	21	51	0.709	0.625
04	030	02	30		0.709	0.625
04	054	01	23	44	0.709	0.725
04	054	02	21		0.709	0.725
04	065	01	26	55	0.709	0.580
04	065	02	29		0.709	0.580
04	066	01	20	39	0.709	0.818
04	066	02	19		0.709	0.818
04	069	01	26	26	0.709	1.226
04	070	01	27	52	0.709	0.613
04	070	02	25		0.709	0.613
04	105	01	20	35	0.709	0.911
04	105	02	15		0.709	0.911
04	127	01	24	24	0.709	1.329
04	132	01	22	46	0.709	0.693
04	132	02	24		0.709	0.693
04	150	01	23	23	0.709	1.386
04	204	02	26	26	0.709	1.226
04	206	01	23	52	0.709	0.613
04	206	02	29		0.709	0.613
04	207	01	28	58	0.709	0.550
04	207	02	30		0.709	0.550
04	208	01	25	45	0.709	0.709
04	208	02	20		0.709	0.709
04	301	01	28	51	0.709	0.625
04	301	02	23		0.709	0.625
04	311	01	27	48	0.709	0.664
04	311	02	21		0.709	0.664
04	315	01	29	54	0.709	0.590
04	315	02	25		0.709	0.590
04	319	01	31	56	0.709	0.569
04	319	02	25		0.709	0.569
04	326	01	20	50	0.709	0.638
04	326	02	30		0.709	0.638
04	329	01	34	57	0.709	0.559
04	329	02	23		0.709	0.559
04	331	01	31	66	0.709	0.483
04	331	02	35		0.709	0.483
04	343	01	20	41	0.709	0.778
04	343	02	21		0.709	0.778

S4=23

M5=1541

N5=748464

05	003	01	16	40	0.905	1.057
05	003	02	24		0.905	1.057
05	005	01	26	51	0.905	0.829
05	005	02	25		0.905	0.829
05	006	01	25	45	0.905	0.939
05	006	02	20		0.905	0.939
05	023	01	32	50	0.905	0.845
05	023	02	18		0.905	0.845
05	024	01	29	51	0.905	0.829
05	024	02	22		0.905	0.829
05	027	01	26	47	0.905	0.899
05	027	01	21		0.905	0.899
05	031	01	31	63	0.905	0.671
05	031	01	32		0.905	0.671
05	032	01	29	29	0.905	1.458

05	037	01	27	51	0.905	0.829
05	037	02	24		0.905	0.829
05	042	01	41	41	0.905	1.031
05	043	01	21	41	0.905	1.031
05	043	02	20		0.905	1.031
05	051	01	24	46	0.905	0.919
05	051	02	22		0.905	0.919
05	052	01	29	56	0.905	0.755
05	052	02	27		0.905	0.755
05	053	01	24	47	0.905	0.899
05	053	02	23		0.905	0.899
05	056	01	30	51	0.905	0.829
05	056	02	21		0.905	0.829
05	064	01	22	39	0.905	1.084
05	064	02	17		0.905	1.084
05	071	01	32	62	0.905	0.682
05	071	02	30		0.905	0.682
05	072	01	32	32	0.905	1.321
05	075	01	27	50	0.905	0.845
05	075	02	23		0.905	0.845
05	099	01	24	45	0.905	0.939
05	099	02	21		0.905	0.939
05	101	02	19	19	0.905	2.225
05	104	01	20	20	0.905	2.113
05	131	01	19	38	0.905	1.112
05	131	02	19		0.905	1.112
05	155	01	36	61	0.905	0.693
05	155	02	25		0.905	0.693
05	162	01	24		0.905	1.174
05	162	02	12		0.905	1.174
05	203	01	15		0.905	0.939
05	203	02	30		0.905	0.939
05	205	01	37		0.905	0.682
05	205	02	25		0.905	0.682
05	305	01	23		0.905	0.919
05	305	02	23		0.905	0.919
05	310	01	40		0.905	0.556
05	310	02	35		0.905	0.556
05	320	01	28		0.905	0.716
05	320	02	31		0.905	0.716
05	325	01	29		0.905	0.742
05	325	02	28		0.905	0.742
05	330	01	18		0.905	2.348
05	333	01	32		0.905	0.631
05	333	02	35		0.905	0.631

S5=33

M6=766

N6=574103

06	007	01	23	49	1.397	1.284
06	007	02	26		1.397	1.284
06	014	01	30	60	1.397	1.049
06	014	02	30		1.397	1.049
06	016	01	28	45	1.397	1.399
06	016	02	17		1.397	1.399
06	017	01	16	25	1.397	2.518
06	017	02	09		1.397	2.518
06	021	01	25	46	1.397	1.368
06	021	02	21		1.397	1.368
06	022	01	16	45	1.397	1.399

06	022	02	29		1.397	1.399
06	063	01	19	33	1.397	1.907
06	063	02	14		1.397	1.907
06	079	01	28	45	1.397	1.399
06	079	02	17		1.397	1.399
06	081	01	14	36	1.397	1.748
06	081	02	22		1.397	1.748
06	083	01	27	55	1.397	1.144
06	083	02	28		1.397	1.144
06	110	01	23	49	1.397	1.284
06	110	02	36		1.397	1.284
06	129	01	26	45	1.397	1.399
06	129	02	19		1.397	1.399
06	304	01	18	50	1.397	1.259
06	304	02	32		1.397	1.259
06	314	01	18	43	1.397	1.464
06	314	02	25		1.397	1.464
06	316	01	25	47	1.397	1.339
06	316	02	22		1.397	1.339
06	322	01	21	41	1.397	1.535
06	322	02	20		1.397	1.535
06	334	01	32	52	1.397	1.210
06	334	02	20		1.397	1.210

S6=17

M7=1083

N7=408622

07	085	01	15	34	0.703	0.723
07	085	02	19		0.703	0.723
07	086	01	33	33	0.703	0.646
07	087	01	27	52	0.703	0.472
07	087	02	25		0.703	0.472
07	088	01	24	50	0.703	0.491
07	088	02	26		0.703	0.491
07	089	01	31	62	0.703	0.396
07	089	02	31		0.703	0.396
07	090	01	37	71	0.703	0.346
07	090	02	34		0.703	0.346
07	091	01	26	55	0.703	0.447
07	091	02	29		0.703	0.447
07	092	01	23	47	0.703	0.523
07	092	02	24		0.703	0.523
07	093	01	30	60	0.703	0.409
07	093	02	30		0.703	0.409
07	094	01	26	53	0.703	0.464
07	094	02	27		0.703	0.464
07	095	01	20	48	0.703	0.512
07	095	02	28		0.703	0.512
07	096	01	26	40	0.703	0.614
07	096	02	14		0.703	0.614
07	097	01	20	42	0.703	0.585
07	097	02	22		0.703	0.585
07	098	01	21	40	0.703	0.614
07	098	02	19		0.703	0.614
07	108	01	14	14	0.703	1.755
07	112	01	25	25	0.703	0.983
07	113	01	22	22	0.703	1.117
07	114	01	26	26	0.703	0.945
07	115	01	31	31	0.703	0.792
07	116	01	32	32	0.703	0.768

07	117	01	25	25	0.703	0.983
07	118	01	30	30	0.703	0.819
07	119	01	06	06	0.703	4.094
07	120	01	31	31	0.703	0.792
07	121	01	36	36	0.703	0.682
07	122	01	27	27	0.703	0.910
07	123	01	27	27	0.703	0.910
07	124	01	11	11	0.703	2.233
07	125	01	10	10	0.703	2.457
07	134	01	07	15	0.703	1.638
07	134	02	08		0.703	1.638
07	350	01	13	23	0.703	1.068
07	350	02	10		0.703	1.068

S7=31

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