

SAMPLE DESCRIPTION FOR SURVEYS IN WHITE, COLOURED AND ASIAN AREAS

The same method was used for the three areas, thus only the general method will be given.

The RSA is divided into nine development regions which covers the whole country. As this part of the survey was done in the urban areas only, the sample size was proportionally divided among the nine regions using the 1985-census figures for the urban areas. Where the allocated sample size for a particular region was too small it was grouped with a similar region and one of the two drawn with selection probability proportional to size.

Each development region in the RSA is again divided into planning regions. The allocated sample size for each development region was proportionally divided amongst its planning regions. Planning regions with a too small allocated sample size were again grouped together according to similarity considerations and one or two drawn within each group with selection probability proportional to size.

Each planning region consists of a number of magisterial districts and using the same method as above a number of magisterial districts were drawn.

Each magisterial district was divided into enumerator areas for census purposes. As the 1985-population figures are known for each enumerator area an appropriate number of EA's were drawn in each magisterial district to be included in the sample.

The method used in selecting households and respondents in each enumerator area is described in Appendix A which was used during the training of the organisers and interviewers.

APPENDIX A TREIMAN SURVEY

THE SAMPLE

The sample consists of a number of enumerator areas in different magisterial districts. In each enumerator area a prescribed number of respondents must be interviewed.

A map of each drawn enumerator area will be provided by MarkData.

SELECTING THE STANDS IN AN ENUMERATOR AREA

- 1) This must be done by the organiser.
- 2) Count the number of stands in the enumerator area.
- 3) Divide by the number of interviews to be done.
- 4) Get a random starting point.
- 5) Select the rest of the stands systematically.

Example 1

Number of stands in area = 56

Number of interviews to be done = 10

56 divided by 10 is 5,6 \approx 6.

Get a random number between 01 and 56 say 3.

The number of the stands that must be visited is:

3

$3 + 6 = \underline{9}$

$9 + 6 = \underline{15}$

$15 + 6 = \underline{21}$

$21 + 6 = \underline{27}$

$27 + 6 = \underline{33}$

$33 + 6 = \underline{39}$

$39 + 6 = \underline{45}$

$45 + 6 = \underline{51}$

$51 + 6 = 57$ but there are only 56 stands. 57 minus 56 equals 1. Thus we take stand number 1.

Example 2

Number of stands in area = 70

Number of interviews to be done = 8

70 divided by 8 is 8,75 \approx 9

Random number between 01 and 70 is 55.

The numbers of the stands that must be visited is:

55

$55 + 9 = \underline{64}$

$64 + 9 = 73$ but $73 - 70 = \underline{3}$

$3 + 9 = \underline{12}$

$12 + 9 = \underline{21}$

$21 + 9 = \underline{30}$

$30 + 9 = \underline{39}$

$39 + 9 = \underline{48}$

SELECTION OF A HOUSEHOLD

On every stand the main household *must* be used (definition of a household will be provided by Johan Schnetler), regardless of population group.

On the questionnaire write down the details of every person in this household under household number (1).

Ask how many other households are on the stand. This may be servants, tenants of a room, shack or flat but not persons that is staying in an outside room but is actually part of the household.

Write down the details of these households. Keep a count of stands with more than one household. On every fifth stand with more than one household use the following procedure. ¹

- 1) Use the main household
- 2) Select one household from the other households with equal probability.

Example 1

Main household with one servant.

Select a respondent from the main household.

Interview the servant as well.

Example 2

Main household with one servant and a room rented by two persons.

Select a respondent from the main household. Number the other households. Say the servant is number one and the two people who rent the room is number two.

Use the grid. Go to the column with "2" in the first row. Now move down the column of the row

¹Is there is a refusal regarding the second household do not substitute. Interview the main household on that stand. Start counting the stands with more than one household from the next stand onwards starting from one.

corresponding to the number of the questionnaire. Say in this case it was "4". Thus household number 2 must be interviewed.

SELECTION OF A RESPONDENT

Professor Treiman requested that respondents be drawn in such a way that a male will have a selection probability twice as large as that of a female. The following example will explain the procedure to be followed.

Arrange all qualifying persons in the household in decreasing order according to age.

	Age	M/F	(1)			
01			*	**	***	42-44
	68	M	2	2	1-2	
02						45-47
	65	F	1	3	3	
03						48-50
	45	M	2	5	4-5	
04						51-53
	43	F	1	6	6	
05						54-56
	24	F	1	7	7	
06						57-59
	22	F	1	8	8	
07						60-62
	21	F	1	9	9	
08						63-65

* Weight

** Accumulated weight

*** Allocated range

Give each male a weight of 2 and each female a weight of one. Get the accumulated weights in this case it is 9. Draw a random number between 1 and 9 using the grid.

Go to the column with "9" in this first row. Now move down the column to the row corresponding to the number of the questionnaire.

Say in this case it was "7". Thus the random number is "4".

This indicates the selection of the male 45 years of age, since his allocated range of random numbers is 4-5 (an allocated weight of 2).

SUBSTITUTION

1) Nobody at home or no qualifying persons at home.

Substitute after two revisits with the stand on the left. If unsuccessful substitute with the stand on the right etc.

2) Refusals

Substitute in the same way.

It is very important to note all substitutes, including the reason for substituting and the number of stands visited in order to find a respondent in each case. This information must be given in detail in the fieldwork report.

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Random Numbers

01	05344	93875	15150	46022	39778	24470	88820	12686	76735	46230
02	86765	04518	46224	36682	04067	94267	28998	25578	92485	24707
03	15874	72875	94386	10439	13158	84992	91526	84233	81658	31850
04	56174	50394	96791	27200	92078	07664	17283	34720	52773	04154
05	49965	62404	24740	86804	98161	07726	62903	07883	81173	16087
06	65966	51007	12353	15047	79104	39202	23276	86829	11492	87488
07	21502	41615	56173	62499	69435	54117	99781	11635	71774	25928
08	09599	24241	59055	36159	85460	87322	54793	42857	64001	98288
09	13715	97698	62751	97224	18581	36467	51568	81205	23111	07820
10	38918	63126	28492	02822	60495	37575	80992	47770	57695	16235
11	78153	22800	33419	95312	71096	68766	72732	17498	50399	44909
12	15859	90970	03089	99805	71026	27908	28212	18093	54650	65060
13	98504	05484	46363	28821	55658	74551	46387	07360	26675	93805
14	22752	92266	48823	62544	35855	52229	90676	73993	27865	01258
15	56755	29212	64471	23918	63261	64303	16474	20111	72397	53382
16	68721	31881	72795	49841	43887	14751	93524	28386	28595	16093
17	39200	90365	89386	23028	33686	94868	66028	42357	59887	78109
18	29668	75026	83140	23599	93335	47619	45694	45587	62278	63382
19	19788	48292	11651	35281	06823	23410	79047	63590	70120	48408
20	59364	20511	88782	48096	89531	04321	20144	81977	10558	25558
21	58318	19885	94450	87730	76329	68402	23447	25063	39353	10551
22	09122	59773	76539	21277	38812	41373	98929	21210	36902	30515
23	50973	31200	28442	89853	83136	90141	92620	44447	33100	98579
24	93568	74195	03058	50590	76018	00795	20601	16452	13302	31737
25	70785	38589	95189	23834	86301	03297	43075	28771	84951	50762
26	40011	83201	39109	85842	63073	05857	67476	52146	05586	64206
27	34956	31881	76677	73132	48698	33994	65682	88146	37733	33083
28	58897	55631	03712	21596	96163	82616	30226	37808	54811	88589
29	38231	32085	48432	01824	75056	33919	28005	62761	24517	82254
30	72864	96899	25615	81590	59007	19733	87327	46366	92250	36210
31	87003	96125	93727	97231	39841	63966	25228	75671	26968	80767
32	41891	24438	69607	97698	59724	79060	36842	09510	25483	67304
33	74475	41111	76387	88328	42477	59913	77180	23859	48535	76475
34	22031	43912	65187	95912	88789	69526	18056	82595	33068	55048
35	32678	00631	09686	52433	27420	92621	08946	20084	39993	59199
36	95253	38724	75063	01860	35589	96792	60447	91557	05316	07876
37	99412	25591	58834	22678	06563	35274	52579	98005	14821	06876
38	07865	85299	41008	78357	01068	01187	97509	74373	68655	42573
39	37538	42068	14562	08759	21497	50147	07403	93092	91927	13730
40	55036	06645	44549	07484	43966	96433	82908	29544	31093	20657
41	44103	78705	75303	43474	83112	07403	96406	11812	03215	12974
42	48912	76702	20003	29698	98155	21648	46492	84116	86262	60530
43	86818	76137	75461	67531	26034	48423	56236	01605	03500	06554
44	07827	87968	57365	52475	98567	19124	27641	93724	13574	37924
45	05376	90944	97274	65147	15416	06171	98279	34129	20262	14411
46	04101	94905	32523	40987	53213	50396	23457	87178	11954	87117
47	15116	06637	03777	62928	43572	95081	78339	14301	80748	55779
48	07941	45633	02334	03301	98800	63084	89305	68070	04679	15440
49	50523	64177	30352	04520	53944	82985	12412	27604	53909	75018
50	64927	14397	02033	82623	77439	21024	29190	85919	52804	43553
51	86084	24523	72378	13555	29928	57566	76048	38188	44695	24477
52	44603	47319	82489	69059	71951	10174	13484	89340	14681	84018
53	71979	75713	06465	57370	86029	99846	24810	50246	78182	16881
54	97644	33934	24804	43415	37257	32802	61497	73758	89077	70636
55	22116	96974	82795	24005	98875	77200	73329	45168	11046	59759
56	59139	17001	69757	65532	65376	02461	26381	36136	79385	51080
57	92015	92363	26044	24992	15558	68412	70449	06988	07882	84397
58	35446	53102	99594	19642	21502	52236	19895	49247	16421	55304
59	84030	06447	82407	36417	76834	33245	07968	48597	19867	81827
60	12161	26617	08652	20260	88687	68780	14499	67969	77325	52225

RUITENET OM RESPONDENT TE SELEKTEER/GRID TO SELECT RESPONDENT

NOMMER VAN/ VRAELYS ADRES NUMBER OF QUESTION- NAIRE ADDRESS			AANTAL PERSONE WAARUIT DIE RESPONDENT GETREK WORD/ NUMBER OF PERSONS FROM WHOM THE RESPONDENT MUST BE DRAWN																								
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	26	51	1	1	1	3	2	4	1	3	5	8	6	5	12	10	1	5	9	7	19	19	13	21	13	24	25
2	27	52	1	2	3	4	3	1	2	2	3	4	8	3	7	2	5	14	4	15	4	8	6	16	14	22	19
3	28	53	1	1	2	1	4	2	7	6	9	3	5	11	2	1	3	11	7	10	16	16	10	5	2	2	3
4	29	54	1	2	3	2	1	3	5	8	6	2	4	2	4	8	11	10	16	6	9	10	15	11	12	11	18
5	30	55	1	1	1	4	5	6	3	5	7	5	9	8	1	3	2	13	5	18	1	4	1	20	11	5	24
6	31	56	1	2	2	2	3	5	6	7	8	7	1	4	9	14	8	2	17	17	14	12	14	22	10	3	14
7	32	57	1	2	1	1	4	1	4	1	4	6	3	6	5	7	13	9	2	3	13	14	8	2	7	20	4
8	33	58	1	1	2	3	2	5	1	4	2	1	7	10	6	5	4	15	10	5	2	13	4	17	5	17	8
9	34	59	1	1	3	2	5	6	2	2	1	9	10	1	10	4	6	6	1	9	10	1	5	6	9	1	12
10	35	60	1	2	2	4	1	3	3	6	9	10	11	12	3	9	15	7	8	11	6	3	9	4	3	10	1
11	36	61	1	1	1	3	1	4	5	3	1	6	2	9	13	11	14	4	11	4	15	15	17	1	1	23	2
12	37	62	1	2	3	1	3	2	7	5	6	5	7	7	8	6	10	3	3	1	12	20	7	13	22	12	16
13	38	63	1	1	2	1	5	3	6	4	3	4	6	2	11	13	12	1	15	8	7	2	12	15	21	13	7
14	39	64	1	2	3	2	4	1	4	7	8	2	5	6	11	12	9	16	13	16	11	18	18	14	16	18	23
15	40	65	1	2	1	4	2	4	3	8	7	7	11	1	3	5	7	12	14	13	8	17	20	19	20	19	11
16	41	66	1	1	3	3	1	6	5	1	5	9	10	3	2	11	13	8	12	12	5	6	21	8	8	4	15
17	42	67	1	1	2	3	4	2	6	4	2	3	2	12	5	2	10	13	5	8	18	9	16	10	17	16	20
18	43	68	1	2	1	4	2	6	4	1	4	8	9	10	7	9	3	12	12	9	7	20	19	9	19	21	13
19	44	69	1	2	2	1	3	5	2	8	9	10	4	9	8	13	1	1	14	10	19	10	11	18	15	7	6
20	45	70	1	1	3	2	5	4	1	3	8	1	3	8	6	6	9	5	7	13	4	15	1	7	22	15	21
21	46	71	1	1	1	2	5	1	7	2	3	2	1	11	4	7	5	3	2	1	3	12	18	5	19	14	9
22	47	72	1	2	1	3	1	3	2	6	2	1	8	7	1	4	2	11	8	2	17	4	17	21	16	3	5
23	48	73	1	2	3	4	2	2	6	7	7	8	3	4	9	3	6	2	11	11	16	2	8	11	23	6	22
24	49	74	1	1	2	1	4	6	3	5	5	3	1	5	13	1	14	8	14	6	15	9	14	3	6	9	17