

CLUSTER SELECTION EXERCISE

The reverse side of this paper lists the 150 cities, towns, and villages of the coastal region of Fictitia. You want to do a survey on proportion of assisted deliveries in the region, and you know that the design effect of your sampling will be large. Thus, you want to maximize the number of clusters you sample for the resources you have available. You have 5 interviewing teams and a vehicle for each. You figure that each team will be able to complete 2 clusters per day for 5-6 days.

Make a selection of 50 clusters proportional to population size (PPS). Mark your cluster numbers (1-50) to the right of each cluster selected.

Steps:

- 1) Compute cluster interval
- 2) Random number selection between 1 and cluster interval for first cluster
- 3) Successively add cluster interval for additional clusters

Please turn in

No.	Name	Population	Cumulative Population
1	Utarai	12,888	12,888
2	Bolama	3,489	16,377
3	Talum	6,826	23,203
4	Wara-Yali	4,339	27,542
5	Galey	2,203	29,745
6	Tarun	4,361	34,086
7	Hamtato	1,544	35,630
8	Noyjaff	885	36,515
9	Nuviya	2,962	39,477
10	Cattical	4,234	43,711
11	Paralai	1,520	45,231
12	Egala-Kuru	3,767	48,998
13	Uwannarpoi	3,053	52,051
14	Hilendia	60,000	112,051
15	Puratna	2,207	114,258
16	Kegani	1,355	115,613
17	Hamil-Ura	833	116,446
18	Kumani	4,118	120,564
19	Kiroya	2,782	123,346
20	Yanveia	3,285	126,631
21	Bayi	4,416	131,047
22	Atota	3,188	134,235
23	Kogouva	1,179	135,414
24	Ahekpa	612	136,026
25	Yondot	3,193	139,219
26	Nosop	17,808	157,027
27	Mapaako	3,914	160,941
28	Lotohah	15,006	175,947
29	Voattigan	9,584	185,531
30	Pitok	4,225	189,756
31	Dopoltan	2,652	192,408
32	Cococopa	35,000	227,408
33	Fanagel	3,954	231,362
34	Jigpelay	2,115	233,477
35	Mowoh	507	234,984
36	Odigia	3,516	238,500
37	Sanbati	14,602	253,102
38	Andidwa	2,575	255,677

77	Ganda	4,211	298,332
78	Sapa-Barchit	2,341	401,073
79	Nuva	848	401,921
80	Nangia	1,281	403,202
81	Kuwannah	3,310	406,512
82	Waniti	4,313	410,825
83	Lukkuma	4,762	415,587
84	Jepu	3,647	419,234
85	Thynupa	2,530	421,764
86	Yanlasul	16,983	438,747
87	Hait-ilo	2,730	441,477
88	Papalo	4,869	446,346
89	Agrakhan	3,300	449,646
90	Tido	4,150	453,796
91	Jubara	3,760	457,556
92	Pilanta	1,587	459,143
93	Lejaple	16,699	475,842
94	Lahia	2,703	478,545
95	Chapmar	747	479,292
96	Dhulisk	4,451	483,743
97	Briko	4,425	488,168
98	Humu	3,860	492,028
99	Baryidda	2,835	494,863
100	Lekdal	1,725	496,588
101	Isigba	3,988	500,576
102	Loez	4,124	504,700
103	Jikoud	4,389	509,089
104	Gopouda	1,126	510,215
105	Akako	2,166	512,381
106	Endera	3,393	515,774
107	Seyou	4,787	520,561
108	Lalios	3,447	524,008
109	Dobaba	3,689	527,697
110	Somdi	4,696	532,393
111	Granoli	60,000	592,393
112	Nehoa	3,990	596,383
113	Male	4,754	601,137

No.	Name	Population	Cumulative Population
39	Oru-Nikam	3,105	257,672
40	Dumo-Nikam	4,176	261,848
41	Kudi-Sina	1,919	263,767
42	Jinhlok	3,261	267,028
43	Mokini	4,270	271,298
44	Talosso	3,301	274,599
45	Diargna	3,250	277,849
46	Bibachi	4,670	282,519
47	Bilan	757	283,276
48	Siwe	12,037	295,313
49	Anda-Dalai	2,155	297,468
50	Varek	3,702	301,170
51	Boul	2,262	303,432
52	Boul-Malai	791	304,223
53	Dapnan	3,468	307,691
54	Umpybo	4,338	312,029
55	Gouman	3,930	315,959
56	Nzeili	2,112	318,071
57	Wagasa	3,953	322,024
58	Onam	2,198	324,222
59	Koundo	9,891	334,113
60	Paona	3,154	337,267
61	Nagbi	2,548	339,815
62	Ponakpo	1,036	340,851
63	Auguromi	2,415	343,266
64	Pali	6,325	349,591
65	Nrol	13,233	362,824
66	Matagdi	511	363,335
67	Yardi	2,313	365,648
68	Chankam	3,108	368,756
69	Lvassa	6,163	374,919
70	Rhomasitiput	4,250	379,169
71	Anghor	784	379,953
72	Ransha	3,423	383,376
73	Phajip	4,098	387,474
74	Dumakpa	4,540	392,014
75	Baktari	2,322	394,336
76	Wako	3,967	398,303

114	Tahli	4,121	605,258
115	Evot	3,214	608,472
116	Fantakapo	16,008	624,480
117	Otoyana	4,732	629,212
118	Toal	2,769	631,981
119	Sarasba	532	632,513
120	Okode-Bus	3,394	635,907
121	Toubuspi	1,143	637,050
122	Domno	8,147	645,197
123	Sarip	4,555	649,752
124	Raknchi	695	650,447
125	Chelle	3,634	654,081
126	Walte	2,115	656,196
127	Nobbay	4,507	660,703
128	Baidu	3,316	664,019
129	Herattan	2,402	666,421
130	Thenu	3,375	670,196
131	Comoadi	14,093	684,289
132	Churiz	676	684,965
133	Cafecopa	45,000	729,965
134	Angko	4,261	734,226
135	Luru-Ale	4,919	739,145
136	Kartaj	17,270	756,415
137	Lomno	3,837	760,252
138	Deysibba	2,749	763,001
139	Ongo-On	3,707	766,708
140	P'ilah	1,927	768,635
141	Ukharu	4,971	773,606
142	Akla	2,468	776,074
143	Togalo	3,385	779,459
144	Patto-In	3,950	783,409
145	Pridaru	2,211	785,620
146	Ollini	3,583	789,203
147	Nakula	1,355	790,558
148	Limaki	4,285	794,843
149	Rutadupi	3,177	798,020
150	Alan-Neki	2,693	800,713