

# The correlation between the elevation of the mental manifestation and the phenomenon of the dermal ridge arrangements

## Introduction

The correlation between fingerprints and the ability of a person is important in that it makes possible the discovery of the talents of an individual. Talents that may not even be known to the subject. In the medical community, it has already been established that there is an association between the dermal ridge arrangements and the mind. Schizophrenia is an example to this point. In this condition the single transverse palmar crease is displayed in different variations of the cases. So here we find a connection between the mental and the physical plain. In addition, much of the development of the brain takes place simultaneously with the dermatoglyphic development. Fingerprints cannot tell us if someone is good or bad. Behavior is left up to the individual. Malcolm X was our best example. He transformed from clever criminal to charismatic leader; "a true sinner who purified himself through a religious conversion". Before during and after his transformation, his fingerprints of cause did not change.

However, as already stated, the friction ridge formation can reveal the potential or ability of the individual. This is because intelligence is manifested in our genetic code. And fingerprints are one of the many resulting elements of this code. We must also understand that no race or ethnicity is superior to another. All of us have the same anterior lobe, (Dr. Cheikh Anta Diop and his interpretation of the Monogenetic Theory). As such, all human beings have the same intellectual history. I have selected individuals who were mentally elevated to see if there is a departure in the frequency of patterns from the general population. And we have an eminent find! We shall take a look at three individuals. They are:

- i. Walter Elias "Walt" Disney (1901-1966)
- ii. Malcolm X (1925-1965)
- iii. Dr. Martin Luther King, Jr. (1929-1968)

I hope that you will find this account to be stimulating as well as to others:

## Walt Disney

The tremendous talent and imagination of Walt Disney was a valuable gift for all mankind. He was indeed above and beyond the average thinker. And he did however possess a very rare fingerprint pattern. Walt Disney displayed a Central Pocket Loop Type Whorl pattern with a meeting tracing on his right forefinger. Under the NCIC FPC it is classified as CM. In 1993 the FBI conducted a study on the frequency of fingerprint patterns which included 17,951,192 males. Among those studied only 32,999 displayed the classification of CM on the right forefinger. This study would place Disney's frequency for this classification of the pattern to be 0.18% (Figures 1 & 2).

$$\frac{32999}{17951192} = \frac{0.18382623282063943163217239278595}{100}$$

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Figure 1 Walt Disney's Rt. Index.



Figure 2 Ulnar Loop on Mr. Disney's right thumb had a diagonal/horizontal display!

## Malcolm X

History tells us that Malcolm X encompassed an elevated mental manifestation. In juxtaposition, the frequency of his fingerprint patterns and dermal ridge configurations were apart from the expected display of the average individual. This is a significant event in dermatoglyphics, a unique phenomenon! If we were to discover a similar pattern frequency and/or ridge structure upon the hands of another individual, we could say that the person in question maintains a potential for astuteness, as did Malcolm X. The fingerprint patterns that we possess are a result of our genetic make-up, this is because fingerprints are a byproduct of the human evolutionary cycle. In reference to the evolution of fingerprint patterns, the ulnar loop resides midway between the whorl (the first pattern to appear on the person of individuals) and the arch (that which was last). The right thumb impression of Malcolm was a horizontal radial loop with a ridge count of fourteen.

Malcolm X had a horizontal radial loop on the right thumb with ridge count of fourteen (NCIC FPC = 64). Only 5,065 of 17,951,192 individuals from the male population displayed this frequency on the right thumb which is 0.0282153965040316% of the total.

$$\frac{5065}{17951192} = \frac{0.028153965040316}{100}$$

In other words, the ridges enter and exit in the direction of the radius bone. Two variables which influence the display of a given pattern are gender and racial stock. However, considering the above and all other known variables, radial loops have failed to provide a display on the aforementioned digit (for the male population) at frequencies higher than 0.438 percent (Figure 3).

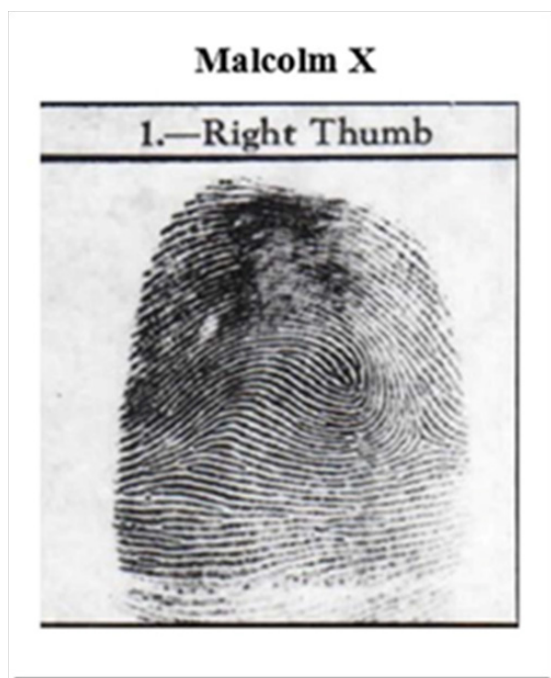


Figure 3 Malcolm's left index fingerprint was also a horizontal radial loop.

$$\frac{93601}{17951192} = \frac{0.52141941326236163035858565826715}{100}$$

Malcolm X: Left Index Fingerprint was a Radial Loop with a Ridge Count of 10.

$$\frac{93601}{17951192} = \frac{0.52141941326236163035858565826715}{100}$$

The radial loop is a minority pattern in so much as the definition can be understood. Its counterpart, the ulnar loop, maintains the highest frequency among all other patterns. Further, the discovery of a horizontal radial loop upon the person of another individual has been infrequently noted in my thirty-five years of study. Most loop patterns are diagonal in appearance. It is noteworthy however to mention that the February 1983 issue of the FBI Law Enforcement Bulletin displayed a horizontal loop pattern on the back cover. It was described as interesting and unusual (Figure 4).



Figure 4 Right ring finger of Malcolm.

Most individuals display patterns that are consistent with the patterns of the neighboring digits. However, Malcolm displayed variety in the distribution of his fingerprints. Notwithstanding, the right ring finger of Malcolm displayed a central pocket loop type whorl pattern with an outer tracing. The frequency for this pattern to appear on the right ring finger is 7.51 percent. And it was the only whorl pattern in the tenset. Under the original rules for classifying fingerprints according to the Henry System of Fingerprint Classification and Filing, we would conclude that Malcolm had three plain arch patterns which were displayed on the right index, right middle and the left thumb. However, under revised rules for classification, the right middle finger impression is classified as a tented arch pattern (technical). A technical tented arch is a pattern that has two of the three requirements necessary to be considered a loop pattern.

This pattern (#3) had a delta and a core but did not display a recurring ridge in front of the delta. I have not seen a study to include

the frequency of technical tented arches on the right middle finger. However, when considering all tented arches the frequency on the right middle is 3.33 percent. Frequency of the Tented Arch Pattern on the right middle finger for the male population:

$$\frac{599484}{17951192} = \frac{3339521966006491379513962081181}{100}$$

The break down on the combination of fingerprint patterns for Malcolm X was the following:

- i. Four Ulnar Loop patterns (# 5, 8, 9 and 10) Two Plain Arch patterns (# 2 & 6)
- ii. One Tented Arch pattern (# 3) Two Radial Loop patterns (# 1 & 7)
- iii. One Central Pocket Loop Type Whorl pattern (#4) (Figure 5 & Table 1).
- iv. Excluding digit # 1, a decimal number is added to the assigned number and each number is multiplied by the next to reach the NCIC FPC filing number!  $7.6 \times 11.30001 \times 11.20002 \times 0.60003 \times 2.20004 \times 11.30005 \times 7.20006 \times 1.80007 \times 2.70008 \times 2.40009 = 1205104.738052675$  (The NCIC FPC Filing Number)  $\times 100 = 120510473.8052675$   $40,457,160,428 = 0.0029787180447262 =$  the NCIC FPC position in a possible 40,457,160,428 Classifications

$$\frac{1,205,104.7313052675}{40,457,160,428} = \frac{0.0029787180447262}{100}$$

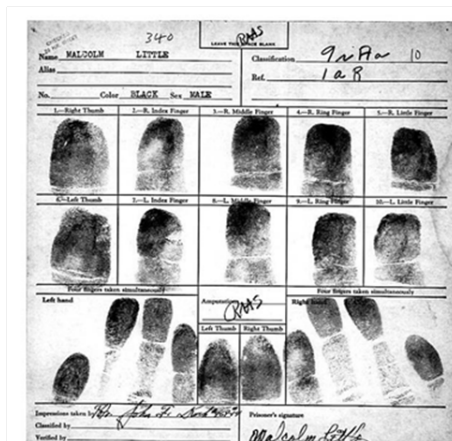


Figure 5 An extraordinary configuration of the dermal ridge arrangements and the variance of pattern display indicates an elevated mental manifestation.

Table I Malcolm X- NCIC FPC: 64AM7C010AA60061512

7.6	11.3	11.2	0.6	2.2	Number assigned to the NCIC FPC Code
64	AA	Tf	CO	10	hICIC FPC Code
AA	60	6	15	12	NCIC FPC Code
11	7.2	1.8	2.7	2.4	Number assigned to the NOC FPC Code

## Dr. Martin Luther King, Jr.

The right little finger print of Dr. Martin Luther King, Jr. is arbitrarily given the classification of a tented arch: (Figure 6).



Figure 6 The right little fingerprint of Dr. Martin Luther King, Jr.

In 1993 the FBI conducted a study on the frequency of fingerprint patterns. In that study 17,951,192 individuals were included from the male population. The tented arch pattern appeared on the right little finger of 114,881 individuals. It can therefore be noted that Dr. King's display of the tented arch pattern on the right little finger is 0.639963 0732042752369870479910192%. This is an unusual phenomenon in the study of dermatoglyphics:

$$\frac{114,881}{17,951,192} = \frac{0.6399630732042752369870479910192}{100}$$

Amazingly, the loop formation on the left approaches vertical and is radial in appearance while the formation on the right is diagonal and ulnar! The fact that a radial loop formation is on the right little finger is a clear departure from the expected frequency of the dermal ridge arrangements (Figure 7).

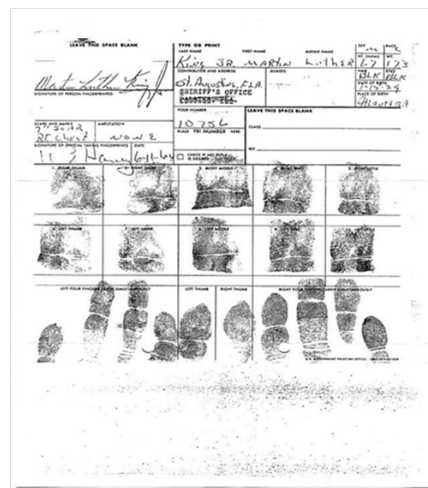


Figure 7 Characteristically, the ulnar loop is the dominant pattern for the little finger.

This is the Frequency of the ulnar loop on the right little finger:

$$\frac{14768305}{17951192} = \frac{82.269216439777369658794803152905}{100}$$

Dr. MLK, Jr.'s right little fingerprint having a frequency of 0.639% is a frequency that is less than 1%. One percent is the first whole unit in the populous direction. Anything less than one percent is on the other side of the spectrum. A person as such may be able to see things in a different light (Table 2 & 3).

**Table 2** Distribution of NCICFPC Including 17, 951, 192 Males

Line No.	NCIC FPC	Male digit number and frequency									
		1	2	3	4	5	6	7	8	9	10
1	PI	176056	516946	102657	131562	11562	513877	226992	249219	733130	241970
2	PM	249538	264070	130160	286478	45842	138410	189608	121402	145809	31994
3	PO	739816	197879	177728	768509	244097	244236	500646	125241	56460	6228
4	CI	12180	103400	14569	33061	6059	33603	61533	80154	355477	132491
5	CM	473	8000	2544	14582	4634	448	9464	4409	11504	3516
6	CO	27018	53649	57656	321550	102323	16434	102705	18030	17877	3656
7	DI	12893	75349	7942	1763	120	467944	49061	38013	41593	19485
8	DM	27868	14337	3858	2424	566	25295	11948	3464	1112	409
9	DO	371200	25023	15716	20763	7785	23021	50008	5013	475	61
10	XI	369	7935	469	463	30	551	2324	601	1157	145
11	XM	242	3554	260	670	83	537	4537	721	474	102
12	XO	262	1379	190	1146	134	557	11288	958	189	24
13	1	9304	47886	44982	25112	21403	12406	39362	47795	27818	29720
14	2	23876	98841	103227	62741	74681	33517	83424	103235	66149	88610
15	3	31518	100427	120687	76997	121633	44724	86464	111189	78239	126046
16	4	39800	103419	140961	94907	162749	57822	92544	122504	93035	161398
17	5	46910	97944	146025	96144	184848	68697	93017	121560	92146	170009
18	6	57109	95773	151430	91247	196070	83870	96177	122643	87007	171784
19	7	65274	99889	165017	89769	193963	97153	104401	135457	90501	175561
20	8	77218	108181	199216	100876	200233	115325	114696	166534	108873	196787
21	9	85057	150105	202730	103696	203809	126463	162617	171769	119493	210672
22	10	90499	160259	299721	112958	230174	129840	167705	261756	133352	243413
23	11	135005	135869	333261	121114	242246	199104	127022	295934	147174	262831
24	12	154482	158784	288862	134541	272526	214351	141932	250181	161591	302531
25	13	134441	146358	300551	204884	282707	166701	118346	262490	251220	308311
26	14	157148	118402	272750	210571	284717	179102	84839	240687	245728	295957
27	15	143972	92467	215778	158690	267954	147260	58461	192088	166947	260734
28	16	217956	72893	162367	192451	248317	215863	40234	146830	196021	237221
29	17	212146	45470	103792	167713	198424	174719	21965	95715	162210	173126
30	18	160462	26552	60474	144309	149107	101972	10897	56990	134988	119335
31	19	145229	14499	31868	109338	97567	85341	5263	30968	100232	72705
32	20	130014	8030	16557	89707	64651	65169	2554	16754	79543	45011
33	21	93898	3717	7232	61093	35356	43130	1042	7836	53933	22888
34	22	83984	1641	3131	38196	17249	26732	478	3360	34360	10671
35	23	55421	749	1262	24433	8081	15705	205	1405	22304	4901
36	24	29297	290	493	15660	3583	8610	111	563	14767	2096

Table continued

Line No.	NCIC FPC	Male digit number and frequency									
		1	2	3	4	5	6	7	8	9	10
37	25	18808	144	209	8905	1497	4421	69	200	9360	885
38	26	10556	61	77	4900	529	2093	26	94	5355	343
39	27	5590	26	41	2650	206	971	19	38	3213	151
40	28	2905	19	25	1632	88	511	22	33	2088	52
41	29	1373	8	14	845	36	211	11	15	1227	34
42	30	692	3	9	603	22	85	7	16	999	17
43	31	277	3	5	217	2	40	4	4	444	5
44	32	141	2	1	169	2	12	2	5	330	4
45	33	56	2	2	80	1	8	0	5	181	2
46	34	20	1	2	51	0	1	1	4	115	0
47	35	9	2	2	30	1	2	0	2	69	1
48	36	7	0	0	15	0	0	1	2	31	0
49	37	1	0	0	8	0	0	2	0	17	1
50	38	0	0	1	1	0	0	1	1	5	2
51	39	0	0	0	4	0	0	0	0	4	0
52	40	3	2	1	2	1	1	5	2	1	1
53	41	0	1	3	2	0	0	1	0	0	0
54	42	0	0	0	0	0	0	0	0	1	0
55	43	0	1	1	0	0	0	1	0	0	0
56	44	0	0	0	0	1	0	1	3	0	2
57	45	0	0	0	1	0	0	0	1	0	0
58	46	0	0	0	0	1	0	0	0	0	0
59	47	0	0	0	0	0	0	0	0	0	0
60	48	0	0	0	0	0	0	2	0	0	1
61	49	0	0	0	0	1	0	2	0	0	0
62	51	111	20323	2860	693	238	183	33950	10467	1627	415
63	52	264	40729	4521	1712	615	462	70212	16264	2935	740
64	53	412	40455	3561	2248	841	727	71439	12474	2988	768
65	54	541	36039	2400	2714	936	912	66130	8271	3268	781
66	55	660	27682	1717	3260	993	1198	49740	4998	3413	692
67	56	846	19742	1437	3826	1062	1519	35089	3278	3261	756
68	57	961	16295	1399	4040	1021	1883	27015	2431	3191	719
69	58	1168	14925	1460	4190	979	2165	22413	2170	3256	696
70	59	1325	18771	1421	3938	840	2397	24951	2015	2882	665
71	60	1563	19951	1831	3487	769	2720	23181	2273	2610	602
72	61	1790	18371	1797	3040	568	3408	18876	2114	2153	542
73	62	1931	24006	1503	2203	450	3635	24435	1949	1676	410
74	63	1664	26108	1459	1994	302	3174	27081	1822	1630	306
75	64	1640	26655	1263	1332	196	3170	28059	1720	1147	219
76	65	1463	26146	1032	724	96	2899	27956	1529	685	131
77	66	1675	26197	924	509	67	3484	30114	1421	523	85
78	67	1349	22390	743	322	32	3075	26613	1200	321	56

Table continued

Line No.	NCIC FPC	Male digit number and frequency									
		1	2	3	4	5	6	7	8	9	10
79	68	975	18314	601	185	24	2338	22038	999	202	30
80	69	793	13858	405	99	7	2070	17137	778	119	21
81	70	722	11293	364	59	7	1783	14105	678	74	17
82	71	529	7900	263	37	9	1318	9072	446	47	4
83	72	353	5298	169	18	1	1037	5938	345	23	5
84	73	266	3336	109	11	1	726	3577	238	11	2
85	74	160	2139	77	10	1	469	2295	174	12	1
86	75	110	1393	83	6	2	342	1355	105	6	0
87	76	52	881	46	7	1	215	704	78	3	0
88	77	32	526	24	1	0	126	430	55	6	2
89	78	21	306	29	0	0	72	247	34	2	1
90	79	13	234	12	1	0	31	157	15	3	0
91	80	6	182	12	2	1	32	108	10	1	0
92	81	5	69	8	0	0	12	37	6	1	0
93	82	4	62	3	0	0	7	30	4	1	1
94	83	3	26	3	0	0	4	20	1	0	0
95	84	0	29	2	0	0	1	6	3	0	0
96	85	0	17	3	0	0	1	11	0	0	0
97	86	0	8	1	0	0	1	5	0	0	0
98	87	0	2	1	0	0	0	1	0	0	0
99	88	0	6	1	0	0	0	1	0	0	1
100	89	1	3	0	0	0	0	2	0	0	0
101	90	0	2	0	0	0	2	1	0	0	0
102	91	0	1	0	0	0	0	1	0	1	0
103	92	0	0	0	0	0	0	1	2	0	1
104	93	0	0	0	0	0	0	0	0	0	0
105	94	0	0	0	0	0	0	0	0	1	0
106	95	0	0	0	0	0	0	0	0	0	0
107	96	0	0	0	0	0	2	0	0	0	0
108	97	0	0	1	0	0	0	1	1	0	0
109	98	0	0	0	0	0	0	0	0	0	0
110	99	0	1	1	0	0	0	0	0	0	0
111	TT	23597	300826	137833	58682	46731	32443	362593	243941	93831	76408
112	AA	226462	354903	249975	80551	65882	344675	386139	369727	121814	91403
113	SR	857	4433	3374	1598	1494	1023	3901	3373	1645	1448
114	XX	824	2447	2277	1789	1684	935	2307	2219	1824	1693

Data Compiled by FBI 1993 Source: NIST

**Table 3** Distribution of NCICFPC Including 4, 313, 521 Females.

Line No.	NCICFPC	Female digit number and frequency									
		1	2	3	4	5	6	7	8	9	10
1	PI	1046615	2601211	787299	997497	94061	2407512	1074206	1296150	3567425	1163027
2	PM	1234283	1001221	774319	1733535	300817	434288	784084	533591	551268	94491
3	PO	3962126	735116	985263	3908637	1728667	780220	2105657	506971	211295	20543
4	CI	66614	551942	123766	180728	35151	147798	277035	362973	1482915	567567
5	CM	1954	32999	15804	55616	18318	1017	40927	13149	25495	5874
6	CO	123232	201011	322305	1348378	600842	40379	367016	53857	41469	8181
7	DI	82436	488927	81429	17197	1139	2206636	266744	256940	297877	171900
8	DM	105401	58523	26302	18043	3106	67116	56294	19270	6444	1912
9	DO	1589114	93328	90598	120034	73117	74704	260399	27801	2445	471
10	XI	2379	48364	3584	4302	343	1998	16032	3619	5120	616
11	XM	1098	20264	2180	3737	553	1172	21848	3162	1702	309
12	XO	1470	8236	1322	5538	887	1591	49643	3976	793	75
13	1	24067	158059	157907	68636	47762	33360	117626	140339	69760	61146
14	2	62517	338978	373189	181419	175609	90434	261799	318948	175942	193283
15	3	82889	351074	444137	234080	314759	123926	284801	361747	218048	297660
16	4	105770	368689	546771	318187	464229	167079	330925	434885	290656	438976
17	5	126605	327820	560614	337307	569537	203479	334989	436625	305718	501943
18	6	153326	288084	540178	307786	637564	246464	328542	421280	284086	517440
19	7	176251	287364	571383	302458	653399	293372	361131	467143	298106	552264
20	8	211197	332561	717548	350515	687023	357762	448326	625069	381809	668161
21	9	232763	441989	736208	353698	709543	401993	638400	672635	428482	752895
22	10	248063	456414	1023382	363533	815229	422325	666734	977053	474840	899485
23	11	387467	396499	1141366	388231	893517	705494	545141	1147239	538838	1041116
24	12	446969	509524	1112046	475976	1046780	803142	689361	1127595	677736	1306708
25	13	391622	483877	1161866	701306	1136957	642662	618289	1208000	1029935	1412833
26	14	473206	397575	1091501	706338	1200693	742321	460725	1163214	1022666	1425599
27	15	449216	325842	917488	565269	1181509	641954	347853	997113	765277	1334172
28	16	739801	287887	754109	735237	1146558	1077461	273928	840126	970744	1299848
29	17	783533	190010	509285	638563	969442	981777	160624	587600	813071	1009457
30	18	644161	114041	305864	532778	766724	626307	86041	367962	677042	724781
31	19	626882	66117	171652	408056	537438	589675	44192	214698	507728	467305
32	20	627174	40952	99377	355759	374011	506460	24161	130555	425906	306769
33	21	491480	19701	45581	238450	217598	377280	10462	62725	287645	163324
34	22	539102	9022	19627	140756	116987	266693	4515	27971	173234	78816
35	23	403673	4175	8268	88458	58164	178924	1999	12656	111008	37439
36	24	234212	1995	3574	61569	27195	112330	1008	5731	78068	17468
37	25	175812	842	1373	34368	11974	67262	476	2294	45174	7564
38	26	115284	321	580	17256	4819	38363	262	946	24212	3215
39	27	70387	147	215	9639	1930	20226	128	392	14474	1420
40	28	42255	76	103	5441	781	10588	99	175	9179	637
41	29	22933	41	50	2829	294	5230	48	91	5352	353

Table continued

Line No.	NCICFPC	Female digit number and frequency									
		1	2	3	4	5	6	7	8	9	10
42	30	13558	26	27	1949	162	2660	36	66	4220	193
43	31	6363	16	21	906	51	1107	36	49	2122	100
44	32	3193	12	11	608	21	506	17	36	1613	69
45	33	1503	3	9	341	13	190	14	30	995	33
46	34	719	2	7	210	7	104	6	9	599	19
47	35	310	1	4	125	6	48	7	13	412	21
48	36	150	1	0	73	1	23	5	11	227	15
49	37	73	0	3	21	1	12	5	4	106	14
50	38	29	1	3	16	0	5	1	4	77	10
51	39	17	2	2	12	1	3	3	4	35	4
52	40	9	3	1	11	1	5	17	7	22	10
53	41	5	4	3	6	8	6	4	8	14	9
54	42	1	1	1	0	0	0	1	3	7	3
55	43	1	2	0	1	1	1	1	1	5	4
56	44	0	2	5	0	1	2	2	5	2	5
57	45	0	1	1	0	3	2	3	1	0	6
58	46	0	0	0	0	1	2	1	2	0	1
59	47	0	0	0	0	1	1	0	1	0	2
60	48	0	0	0	0	1	1	0	1	5	0
61	49	0	0	1	2	0	0	1	0	0	0
62	51	331	93833	17043	2644	824	413	129475	36341	3364	847
63	52	773	215260	30187	6309	1958	915	293857	60305	5986	1473
64	53	1010	239894	27236	8432	2734	1284	325475	49237	5831	1382
65	54	1331	251618	21498	11358	3527	1727	343812	35091	6080	1344
66	55	1541	198586	15687	14017	4056	2083	272173	21011	6098	1324
67	56	1818	138233	12639	16496	4561	2595	187531	12801	6233	1322
68	57	2288	112261	12261	18734	4588	3085	141516	9164	6117	1329
69	58	2829	107113	13205	20410	4749	3730	120903	7409	6234	1368
70	59	3148	128890	13018	20296	4531	4052	120141	6017	5603	1236
71	60	3460	127130	17836	19607	4386	4545	93601	7157	5205	1177
72	61	4577	116128	17759	17028	3353	5935	70295	6853	4413	996
73	62	5162	165309	15228	13998	2865	6282	91803	5570	3622	901
74	63	4667	185107	15233	14543	2064	5387	98320	5585	3523	754
75	64	5065	185107	14103	10142	1447	5804	98692	5410	2597	566
76	65	4958	187306	11968	5914	899	5390	101298	4933	1548	419
77	66	5966	201744	10619	4595	573	6853	116638	4679	1231	288
78	67	5609	176202	8523	2847	295	5969	105947	3840	834	186
79	68	4677	142483	7113	1802	144	4882	87465	3306	498	113
80	69	4278	110548	5568	1055	83	4403	69385	2611	339	59
81	70	4005	90926	4310	668	63	4198	59959	2195	230	52
82	71	3129	62405	3225	358	29	3456	40177	1703	117	29
83	72	2583	40856	2446	198	15	2886	25508	1304	69	21



Table continued

Line No.	NCICFPC	Female digit number and frequency									
		1	2	3	4	5	6	7	8	9	10
84	73	1908	25992	1734	100	10	2174	15632	874	49	10
85	74	1306	16854	1208	47	5	1610	10250	619	30	7
86	75	887	10461	799	38	6	1111	5943	466	14	7
87	76	601	6278	538	14	3	764	3240	325	11	4
88	77	345	3858	397	14	6	493	1882	225	9	5
89	78	217	2533	278	11	3	324	1096	99	5	3
90	79	121	1579	174	5	1	184	628	91	4	0
91	80	86	1290	154	8	0	108	496	82	4	5
92	81	34	676	82	6	5	80	212	28	6	3
93	82	21	487	56	1	0	25	155	19	0	1
94	83	14	306	40	3	0	24	94	13	0	0
95	84	5	209	25	1	0	13	49	11	0	1
96	85	12	142	18	0	0	5	56	8	1	1
97	86	5	82	14	0	1	5	34	1	1	0
98	87	1	43	9	0	0	4	13	1	0	0
99	88	3	35	5	0	0	2	13	2	0	1
100	89	3	18	3	1	1	1	4	0	0	0
101	90	2	21	1	0	0	3	5	1	0	2
102	91	3	3	2	1	0	10	5	5	2	3
103	92	1	2	3	0	0	1	3	1	0	0
104	93	0	1	1	0	0	1	4	0	0	1
105	94	0	0	1	0	0	1	2	0	0	0
106	95	0	1	1	0	0	0	3	0	0	0
107	96	0	1	0	0	0	0	3	0	0	1
108	97	0	0	0	0	0	0	2	0	0	0
109	98	0	0	0	0	0	1	2	2	2	0
110	99	0	0	0	0	1	1	2	1	1	2
111	TT	66787	1464143	599484	176441	114881	99534	1447009	793601	238104	171547
112	AA	454125	1022300	755815	200535	127095	829907	1035510	961491	281194	166404
113	SR	4482	33463	24367	11508	10542	6753	27731	23543	11923	10469
114	XX	15748	42580	39766	29586	25582	18727	44513	42640	34615	27968

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None.

### Conflicts of interest

The author declares that there are no conflicts of interest.