

The Radial Loop Fingerprint Pattern

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Abstract

The fingerprint is a bi-product of the human evolutionary cycle, as such it reflects results of our genetic composition. The intelligence of human beings is also manifested in our genetic make-up. We can therefore look at the dermal ridge arrangements as an indicator of the intelligence/ability for individuals. This article describes the use of the friction ridge formations to draw attention to this phenomenon.

Keywords: *Radial Loop; Fingerprint; National Crime Information Center Fingerprint Classification System (NCIC FPC)*

We must have the serenity to realize the significance of the radial loop. It does not appear on the digits that often. One can say that when it comes to the radial loop pattern it is on the other side of the spectrum in that the ulnar loop is its complete and total opposite. I feel it appropriate to make the case that there is something about the radial loop that is beyond its physical characteristics. The scientific community confirms that much of our physical appearance is a result of our genetic make-up. And fingerprints are as well. We can also say that our intelligence has a genetic manifestation. If the fingerprint on the person is rare, is the individual unusual in their way of thinking? To this question I would have to say yes. This opinion is consistent with the discovery that very interesting personages displayed the radial loop pattern. I would therefore say that someone who has a rare fingerprint classification in a given population should be noteworthy for scientific study.

The following individuals displayed the radial loop pattern at very low frequencies compared to a study of 17,951,192 male individuals using the National Crime Information Center Fingerprint Classification system (NCIC FPC):

Personage	Digit No.	Ridge Count	NCIC FPC	How Many In 17,951,192	Percent Frequency
Mr. John Lennon	2	12	62	165309	0.920880352
Dr. Martin Luther King, Jr.	5	Radial and Ulnar	TT	114881	0.639963073
President Eisenhower	2	15	65	187306	1.043418175
President Johnson	2	6	56	138233	0.770049142
President Johnson	7	9	59	120141	0.669264749
Mr. Malcolm X	1	14	64	5065	0.028215397
Mr. Malcolm X	7	10	60	93601	0.521419413
President Nixon	2	17	67	176202	0.981561559
Mr. Walt Disney	7	1	51	129475	0.721261296

Note: In the book entitled the Science of Fingerprints by the FBI (Project Gutenberg eBook, Page 74, 10th August 2006) it is stated:

“In figure 306, the impression has two equally good loop formations. As it has but one delta, it cannot be classified as a whorl of the double loop type nor as a loop since it would be difficult to make a preferential choice between the two looping ridges. It is arbitrarily given the classification of a tented arch”.

Such is the case of the #5 fingerprint of Dr. MLK, Jr. However, due to the fact that one of the two loop formations display a radial appearance it falls into the category of a fingerprint with a radial profile.

This is a noted case for the #8 fingerprint of Ms. Billie Holiday. Ms. Billie Holiday displayed a Central Pocket Loop Type Whorl pattern with an outer tracing (NCIC FPC = CO). However, it had a radial appearance. The number of females with CO on the 8th digit in the following study is 18030. The percentage is 0.417987996. A radial appearance is the focal point in this discussion.

To calculate the percent frequency of a pattern using the NCIC FPC go to the following address: <http://www.dermatoglyphics.com/Statistics.xlsx>

The FBI statistics are as follows:

Distribution of NCIC FPC Including 4,313,521 Females											
Data Compiled By FBI 1993 Source: NIST											
Female Digit Number and Frequency											
Line No.	NCIC FPC	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	01	9304	47886	44982	25112	21403	12406	39362	47795	27818	29720
14	02	23876	98841	103227	62741	74681	33517	83424	103235	66149	88610
15	03	31518	100427	120687	76997	121633	44724	86464	111189	78239	126046
16	04	39800	103419	140961	94907	162749	57822	92544	122504	93035	161398
17	05	46910	97944	146025	96144	184848	68697	93017	121560	92146	170009
18	06	57109	95773	151430	91247	196070	83870	96177	122643	87007	171784
19	07	65274	99889	165017	89769	193963	97153	104401	135457	90501	175561
20	08	77218	108181	199216	100876	200233	115325	114696	166534	108873	196787
21	09	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
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
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

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