

Another Look at the Primary Classification

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Abstract

In the Primary Classification from the Henry System of Fingerprint Classification and Filing we consider the ten digits and discover which digits display whorl type patterns. There are 1024 combinations ranging from no whorl pattern appearing on the ten digits to a whorl pattern appearing on all ten digits. The calculation is therefore the number of possibilities (two possibilities - a whorl pattern or no whorl pattern) to the power of the number of segments (digits). The mathematical expression is therefore two to the tenth power (2^{10}). 2^{10} = 1024 combinations ranging from 1 over 1 (no whorl patterns in a ten set of fingerprints) to 32 over 32 (a whorl pattern appearing on all ten digits).

Keywords: Primary Classification; Fingerprint

Introduction

Primary Classification (Original Sequence)

Each of the 1024 Primary Classifications represents a display of fingerprint patterns focusing on the presence or lack thereof of the whorl pattern.

Primary Classification First Reference Sequence

Figure 2 displays a simultaneous sequence chart (the Primary Classification First Reference Sequence). Here it is possible to determine the Primary Classification according to the original sequence. This is accomplished by numbers situated along the horizontal and vertical perimeter of the chart. It can also be noted that this chart displays another sequence as well. The Primary Classifications are arranged into a diagonal reverse. The purpose of the Primary Classification First Reference Sequence is to establish a geometric and numerical relationship with Primary Classifications. And it is this relationship that enables us to mathematically interpret the compatible/incompatible and/or control ability of individuals.

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29 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 26 27 28 29 30 31 32 29 20 30		28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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30 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 26 27 28 29 30 31 32 30		29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
30 <td< th=""><th>30</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th><th>17</th><th>18</th><th>19</th><th>20</th><th>21</th><th>22</th><th>23</th><th>24</th><th>25</th><th>26</th><th>27</th><th>28</th><th>29</th><th>30</th><th>31</th><th>32</th></td<>	30	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	26	27	28	29	30	31	32
31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 32 24 25 26 27 28 29 30 31 32 31		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
31 <td< th=""><th>31</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th><th>17</th><th>18</th><th>19</th><th>20</th><th>21</th><th>22</th><th>23</th><th>24</th><th>25</th><th>26</th><th>27</th><th>28</th><th>29</th><th>30</th><th>31</th><th>32</th></td<>	31	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	26	27	28	29	30	31	32
32 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 26 27 28 29 30 31 32 32		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
32 32 32 32 32 32 32 32 32 32 32 32 32 3	32	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	26	27	28	29	30	31	32
		32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32

Figure: 1

Figure 4 is an example of using the Primary Classification First Reference Sequence. Our Primary Classification is 11 over 3. This is calculated with the following numerical values assigned to the given digits; with the added value of whorls appearing on the right-hand as the numerator and the added value of whorls appearing on the left-hand as the denominator (Figure 3).

1 1

2

3

6

9

11

13

23

31 2

4

8

Figure: 2

1 1 3 5 9 13 19 25 1 9 19 29 9 21 3 17 1 17 3 21 9 29 19 9 1 25 19 13 9 5 3 32 32 17 17 17 17 17 17 17 17 18 18 18 18 19 19 20 20 21 21 22 22 23 23 24 25 26 26 27 28 29 30 31 1

Add the total val	ue of the r	ight-hand o	ligits plus	1 for consi	stency									
over the total value of the left-hand digits plus 1 for consistency														
Digit #	1	2	3	4	5									
Number Assigned	2	4	8	1	16									
Number Assigned	1	4	8	2	16									
Digit #	6	7	8	9	10									

699

This would mean that digit numbers 1 and 3 (the values of 2 + 8 = 10 + 1 for consistency = 11 as the numerator) for the right-hand display of whorl patterns. And digit number 9 (the value of 2 + 1 for consistency = 3 as the denominator for the left-hand display of a whorl pattern. Figure 3 shows the numerical values assigned to each digit.

It can be noted that in figure 4, 11 over 3, 3 over 8 and 10 over 28 are included and it is these Primary Classifications that create the geometric display. The classifications in which a line goes through are intersected. Notwithstanding, any classification within the interior of the geometric display which is not included or intersected by the geometric design is therefore encompassed within the extended geometric area. The included classifications are compatible personalities. The intersected classifications are incompatible with 11 over 3, 3 over 8 and 10 over 28. The encompassed classifications can be controlled by the person of classification 11 over 3 in particular and 3 over 8 and 10 over 28 as well.

The length on all four sides of the chart must be 9131 units of measurement to provide a perimeter of 36524 units of measurement [1-4].

Example Using the First Reference Sequence

	1	12	-32	-4	-64	46	17	- 64	19	1.0	11	3.2	1.0	1.4	15	10	3.7	10	10	20	21	22	22	24	25	245	27	20	29	30	31	32
3	3		9.1	29	26	21	15	.0	1	25	15	6	26	13	31	37	.1	17	31	13	25	6	15	25	1	-92	15	21	25	29	01	32
	1	-2	2	3	4	5	.6	7	8	8	0	10	10	44.	44	12	13	43	13	44	4.4	15	16	45	16	16	16	16	16	18	16	32
20	32	2	2	32	30	26	22	16	10	2	26	16	6	26	1.4	32	10	2	10	22	1.4	26	6	16	26	2	10	16.	22	26	31	32
	31	1	2	2	3	4	64	6	7	0	0	9	10	10	11	11	12	13	13	13.	1.4	1.4	16	16	16	141	16	16	1/5	111	45	101
3	2	31	2	2	1	31	27	53	17	11	2	27	17	1	27	15	1	19	3	19	1	15	27	7	17	27	3	11	17	30	27	30
	31	31	1	2	3	3	4	6	.6.	2	4	8	9	10	10	11	12	12	13	13	14	14	14	15	15	16	16	16	16	32	16	16
	- 18	1	30	16	/8	2.	35	28	2.4	18	14	-4	28	18	8	28	16	2	20	-4	20	12	16	20	8	10	24	-4	750	10	23	758
	30	34	31	1	2	3	3	4	1	6	7	0	0	9	10	10	11	12	12	13	13	14	1.4	1.4	16	15	16	16	35	16	16	16
5	. 0	3	32	29	5	÷.	2	2	29	20	19	γs	6	29	10	9	29	17	3	21	6	21	а.	17	29	.9	19	28	- FA	12	40	244
	29	30	30	31	1	2	2	4	1	- 5		Y	0	.0	. 9	10	10	11	12	12	13	13	14	14	14	16	16	32	16	18	16	16
	12	2	2	31	20	9	~	4	8	30	26	58	14		30	50	10	30	18	-4	55	6	22	4	18	30	27	20	29	6	13	50
	10	2.0	30	30	-	1	2	10	1	1	. 5	6	1	8	8	9	10	10	11	12	4.5	13	13	14	7-6	14	32	15	15	16	16	16
1.1	1.0	11		-	20	21	1	1.0	2	3	81	27	127	10	1	31	21	11	21	19	0	22	1.	23	9	26	21	10	31	30	1	1.4
	24	12	20	200	30	31	-	2	3	2	1	-	Ie.		0	0		10	10	11	12	12	13	13	14	22	1.4	16	16	16	18	16
	20		*	in	36	70	20			2	1	-	10	10	10		-14	10	12	10	20	20	24	10	20	2	10	22	12	12	22	8
-	20	20	10	~	-	30	2.03	2.0	1	1	2	-	2	2.00	-	1.1		-	10	10		14	12	12	32	1.4		14	10	10	10	10
	26	20	27	20	20	-	20	34	1	3	1	12	- 21	10	12	- 62	- 21	220	12	10		1.1	-		14	100		20		10	12	34
10		31	22	1.6		3	Sa	27	24	10	10		6	15	30	2.4	18	10		24	1.4	-	27	0	36	10	26	-	24	-	1.7	24
	25	25	26	27	28	29	24	Ten.	31	1	-			Υ.		-	*	-			10	11	30	12	12		43	24	44	40	4.0	35
111	18	7	30	21	3.4	*	2	29	20	23	11	11		A	3	31	25	10	11	3	25	22	3	22	9	26	11	24	9	22	3	14
	64	85	20	EO	27	IO	2.3	ID	30	31	-1			-	0	0	0	7				33	11	11	13	13	13	13	14	14	18	100
12	28	17	6	29	20	13	6	4	20	26	22	12	12	10	0	.4	32	26	20	12	21	26	16	4	23	10	27	12	27	10	23	4
	23	24	25	25	26	27	20	29	29	30	31	1	-	.9	14	6	6.	6	7		32	9.	10	11	11	12	12	13	13	14	14	15
12	8	27	16	6	28	19	12	6	32	27	24	21	13	13	de	9	5	1	27	20	13	4	27	16	5	24	11	28	13	28	11	24
	23	23	24	25	26	28	27	28	28	29	30	31	1	2	3	4	. 6		6	32	8	9	9	10	11	11	12	12	13	13	2.4	1.4
1.4	20	7	20	15	-4	能学.	10	11	-4	01	20	23	10	14	1.4	12	10	0	13	20	21	7.6	0	20	17	0	20	12	30	14	20	12
	55	23	23	24	25	25	26	27	28	20	22	30	31	1	2	3	-4	6	25	G	7	0	9	9	10	11	11	12	12	13	13	14
1.1.1	2	19	6	25	14	3	245	17	10	3	30	25	22	1.9	1.6	16	13	10	2	2.	29	22	16	6	50	18	7	26	13.	30	16	30
	22	22	23	23	24	26	25	26	27	20	20	29	20	31	1	2	3	32	6	0.	6	7	8	9	8	10	11	11	12	12	13	13
10	16	1	10	5	24	13	2	24	16	9	2	59	24	21	18	16	17	14	11		3	30	23	16	7	30	19	8	27	14	31	16
	21	20	22	69	69	6.4	6.0	60	6.0	87	6.0	6.0	6.0	0.0	0.1	1	DE	0		0	0	0	T	0	29	39	10	11	11	12	12	15
14	32	15	32	17	4	20	12	1	24	10	8	1	28	23	20	16	17	16	15	12	-	4	31	24	17	0	21	20	9	20	15	32
10	20	12	21	22	23	23	24	20	20	26	27	28	20	29	30	32	1	2	3	-	6	G	6	7		8	9	10	11	11.	12	12
1.00	10		14	22	10	20	22	11	32	23	14		32	27	10	19	14	10	17	16	13	10		32	20	19	8	32	21	10	29	16
		1.0	20		20	18	23	21	4.0	20	00	10	-	20	24	20	10	-	10	20	-	2	2.	-	1	-	200	200	10	22	11	12
	20	20	20	24	24	22	-	23	24	24	20	100	37		20	00	20				12		1	2	4		10	10	10	EE.	1.1	00
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	40	20	20	26	24	24	99	23	23	24	24	26	32	27	27	228	20	30	34	-	2	-	4	-	6	5	1	-		10	10	11
21		10	32	13	28	11	28	13	32	19	8	12	20	12	1	30	24	20	16	14	21	20	19	16	13	-0	- 2	20	21	12	2	24
	19	19	10	20	20	21	21	22	22	22	23.4	22	26	25	27	27	20	29	20	21	1	4			6	6	1	1		0	10	10
-22	28	7	18	31	12	27	10	27	12	31	11	7	29	19	11	3	29	23	19	16	13	22	21	20	17	14	.9	4	29	22	13	4
100	18	19	19	19	20	20	21	21	22	22	32	24	24	25	26	27	27	28	29	30	31	1	2	3	4	-65	6	7	7	8	9	10
23	18	27	6	17	20	11	26		50	10	30	18		20	10	10	2	28	22	18	14	12	23	22	21	18	15	10	5	30	23	1.4
	10	10	19	1.9	19	20	50	21	21	02.	22	23	24	24	25	26	27	27	28	29	30	31		2	3	.4	A .	6	7	7	0	9
		17	36	1.	72	56	12	24		3.0	11	28	32		27	17		1	27	21	17	12	11	2.5	22	25	10	15	11	- 15	31	54
100	100	111	22	19	19	19	50	20	32	21	22	22	23	24	24	25	26	27.	27	20	29	30	31	1	2	3	4	6	6	7	2	8
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-	24	10	10	10	24	124	130	34	20	0.0	1	22		2.2	4.6		20	2.00	29	21	20	5.8	30	22	1	100	20	1			100	1
100	47	47	410	10	10	10	30	40	20	20	-	44		5.0	10	20		12		31	22	10	10	22		20	20	1	57	10	13	0
27	10	23	20	-	14	-	6	2.4	28	N.	-	1	20	-	22.00	14	-	24	14		30	10.4	1.72	14	10	-	37	20	-	-	4.05	1.1
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1210	12	\$7	22	28	8	13	23	1	13	25	7	21	5	21	7	25	13	1	25	15	-	20	25	17	13	0	7	20	27	24	23	20
	17	17	15	17	32	18	18	19	10	19	20	20	21	21	22	22	23	24	24	26	26	26	27	28	29	30	21	1	2	3	4	6
214		3.1	145	4	34	-4	10	00	10	40	2.4	.6	20	.4	30	6	2.4	13	33	22	12		29	23	14	12		9	39	29	27	24
	17	17	17	32	17	10	10	10	10	10	19	20	20	21	21	22	22	23	23	24	25	26	26	27	28	29	30	31		2	3	+
. 30	-4	7	3	15	21	27	3	11	21	31	11	23	6	19	3	19	6	23	11	31	21	11	3	27	21	15	11	7	5	30	29	28
	11	37	32	1/	11	12	10	18	18	1.8	19	19	20	28	21	21	22	22	23	23	24	25	28	26	27	28	25	30	31	1	2	3
31	2	2	6	10	1.4	20	26	2	10	20	30	10	22	4	18	2	18	4	22	10	30	20	10	2	26	20	1.4	10	6	4	31	20
	17	32	17	17	17	17	4.7	18	18	1.05	121	19	10	20	20	2,1	2.4	22	99	23	23	2.4	0.5	26	26	37	0.0	20	30.	34	4	2
32	1	.1	3	6	9	13	19	25	1	9	12	29	2	21	з	17	1	17	3	21	9	22	19	9		25	19	13	9	6	3	32
	32	17	17	17	17	17	17	17	10	10	10	10	19	19	20	20	21	21	22	22	23	23	24	26	26	26	27	28	29	30	31	1

Figure: 4

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