

SN180

# Rhythmic structure in the children's first handwriting (2014-2016)

Natale Stucchi

Version: 1.0 - 14/06/2017



**UniData**

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# Rhythmic structure in the children's first handwriting (2014-2016)

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Version: 1.0 - 14/06/2017

File: Word

<i>IDNO - UniData Study Number</i>	3
<i>TITL - Study Title</i>	4
<i>VERSION - Data Version (archive)</i>	5
<i>RELEASE - Data Release (source)</i>	6
<i>ID - Numerical identifier given to each subject</i>	7
<i>COND - Condition of experiment (spontaneous, small, big, slow or fast)</i>	8
<i>SCRIPT - Type of script: cursive or block (all capital letter)</i>	9
<i>GROUP - Group of experiment (according to the school grade of subject)</i>	10
<i>LENGTH - Sum of the length of all the strokes composing the word expressed in cm</i>	11
<i>DURATION - Time to write the whole word expressed in seconds</i>	12
<i>MEANVEL - Mean velocity of pen movement expressed in cm/sec</i>	13
<i>LOGLEN - Natural logarithm of length</i>	14
<i>LOGVEL - Natural logarithm of duration</i>	15
<i>LOGDUR - Natural logarithm of mean velocity</i>	16

Position: 1

Type: String

N:	Valid	2980
	Missing	0
	<b>Total</b>	<b>2980</b>

Statistics:		<b>Value</b>	<b>Freq.*</b>	<b>Perc.</b>	<b>Valid Perc.</b>
	<b>Valid</b>	SN180	2980	100.0	100.0
		<i>Total</i>	<i>2980</i>	<i>100.0</i>	<i>100.0</i>
	* not weighted	<b>Total</b>	<b>2980</b>	<b>100.0</b>	

TITL	Study Title
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Position: 2

Type: String

N:	Valid	2980
	Missing	0
	<b>Total</b>	<b>2980</b>

Statistics:	Value	Freq.*	Perc.	Valid Perc.
<b>Valid</b>	Rhythmic structure in the children's first handwriting (2014-2016)	2980	100.0	100.0
	<i>Total</i>	2980	100.0	100.0
* not weighted	<b>Total</b>	<b>2980</b>	<b>100.0</b>	

Position: 3

Type: String

N:	Valid	2980
	Missing	0
	<b>Total</b>	<b>2980</b>

Statistics:	Value	Freq.*	Perc.	Valid Perc.
<b>Valid</b>	1.0 - 14/06/2017	2980	100.0	100.0
	<i>Total</i>	2980	100.0	100.0
* not weighted	<b>Total</b>	<b>2980</b>	<b>100.0</b>	

Position: 4

Type: String

N:	Valid	2980
	Missing	0
	<b>Total</b>	<b>2980</b>

Statistics:	Value	Freq.*	Perc.	Valid	Perc.
	<b>Valid</b>	12/06/2017	2980	100.0	100.0
		<i>Total</i>	2980	100.0	100.0
	* not weighted	<b>Total</b>	<b>2980</b>	<b>100.0</b>	

Position: 5

Type: Numeric

N:	Valid	2980
	Missing	0
	<b>Total</b>	<b>2980</b>

Statistics: Frequencies table not shown because values are not labelled and there are more than 50 unique values

Position: 6

Type: String

N:	Valid	2980
	Missing	0
	<b>Total</b>	<b>2980</b>

Statistics:		<b>Value</b>	<b>Freq.*</b>	<b>Perc.</b>	<b>Valid Perc.</b>
		big	596	20.0	20.0
		fast	596	20.0	20.0
	<b>Valid</b>	slow	596	20.0	20.0
		small	596	20.0	20.0
		spontaneous	596	20.0	20.0
		<i>Total</i>	<i>2980</i>	<i>100.0</i>	<i>100.0</i>
	* not weighted	<b>Total</b>	<b>2980</b>	<b>100.0</b>	



SCRIPT	Type of script: cursive or block (all capital letter)
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Position: 7

Type: String

N:	Valid	2980
	Missing	0
	<b>Total</b>	<b>2980</b>

Statistics:		<b>Value</b>	<b>Freq.*</b>	<b>Perc.</b>	<b>Valid Perc.</b>
	<b>Valid</b>	block	1490	50.0	50.0
		cursive	1490	50.0	50.0
		<i>Total</i>	<i>2980</i>	<i>100.0</i>	<i>100.0</i>
	* not weighted <b>Total</b>		<b>2980</b>	<b>100.0</b>	

Position: 8

Type: Numeric

N:	Valid	2980
	Missing	0
	<b>Total</b>	<b>2980</b>

Statistics:	<b>Value</b>	<b>Label</b>	<b>Freq.*</b>	<b>Perc.</b>	<b>Valid Perc.</b>
	1	First grade	570	19.1	19.1
	2	Second grade	720	24.2	24.2
<b>Valid</b>	3	Third grade	610	20.5	20.5
	4	Fourth grade	680	22.8	22.8
	5	Fifth grade	400	13.4	13.4
	<i>Total</i>		<i>2980</i>	<i>100.0</i>	<i>100.0</i>
* not weighted	<b>Total</b>		<b>2980</b>	<b>100.0</b>	

LENGTH	Sum of the length of all the strokes composing the word expressed in cm
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*Position:* 9

*Type:* Numeric

<i>N:</i>	Valid	2980
	Missing	0
	<b>Total</b>	<b>2980</b>

<i>Statistics:</i>	Minimum	0
	Maximum	136.0634
	Mean	12.13
	Std. Deviation	11.09
	First quartile	6.120099
	Second quartile	9.206852
	Third quartile	13.81354

DURATION	Time to write the whole word expressed in seconds
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*Position:* 10

*Type:* Numeric

<i>N:</i>	Valid	2980
	Missing	0
	<b>Total</b>	<b>2980</b>

<i>Statistics:</i>	Minimum	1.081
	Maximum	37.495
	Mean	5.17
	Std. Deviation	3.5
	First quartile	2.9215
	Second quartile	4.2075
	Third quartile	6.25925

MEANVEL	Mean velocity of pen movement expressed in cm/sec
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Position: 11

Type: Numeric

N:	Valid	2980
	Missing	0
	<b>Total</b>	<b>2980</b>

Statistics:	Minimum	0.03113706
	Maximum	25.98908
	Mean	2.36
	Std. Deviation	1.97
	First quartile	1.139193
	Second quartile	1.829331
	Third quartile	2.955488

## LOGLEN      Natural logarithm of length

*Position:* 12

*Type:* Numeric

*N:*

Valid	2980
Missing	0
<b>Total</b>	<b>2980</b>

*Statistics:*

Minimum	-Inf
Maximum	4.913121
Mean	-Inf
Std. Deviation	NaN
First quartile	1.811578
Second quartile	2.219948
Third quartile	2.625649

*Position:* 13

*Type:* Numeric

*N:*

Valid	2980
Missing	0
<b>Total</b>	<b>2980</b>

*Statistics:*

Minimum	-3.469356
Maximum	3.257676
Mean	0.61
Std. Deviation	0.71
First quartile	0.13032
Second quartile	0.6039505
Third quartile	1.083663

*Position:* 14

*Type:* Numeric

*N:*

Valid	2980
Missing	0
<b>Total</b>	<b>2980</b>

*Statistics:*

Minimum	0.07788654
Maximum	3.624208
Mean	1.48
Std. Deviation	0.55
First quartile	1.072097
Second quartile	1.436869
Third quartile	1.83406



