Table S1.
Assessment instruments for the six data sets

Data set	IQ		Language		Arithmetic
	verbal	nonverbal	vocabulary	reading	
Set #1	NEMI	NEMI	NEMI	Alouette	WJ-III
Set #2	NEMI	NEMI	NEMI	Alouette	WJ-III
Set #3	WASI	WASI	WASI	TOWRE	CMAT
Set #4	WASI	WASI	WASI	TOWRE	WJ-III
Set #5	WASI	WASI	WASI	TOWRE	CMAT
Set #6	WASI	WASI	WASI	TOWRE	WJ-III

Note. Alouette=Alouette reading test, CMAT=Comprehensive Mathematical Abilities Test, NEMI=Nouvelle Echelle Métrique de l'Intelligence-2, WASI=Wechsler Abbreviated Scale of Intelligence, WJ-III=Woodcock-Johnson III Tests of Achievement.

Table S2.
Descriptive statistics and correlations of the behavioral variables of the French data set 1 (n = 52; Girard et al., 2021; 2022)

Variables	Cat. 1	%	Cat. 2	%	(1)	(2)	(3)	(4)	(5)	(6)	(7)
(1) Sex	male	69.8	female	30.2							
(2) ADHD	no	100.0	yes	0.0	−						
	Mean	SD	Min	Max							
(3) Age	8.47	.35	8.01	9.24	-.03	−					
(4) IQ verbal	4.83	1.42	2.00	7.00	-.05	−	-.20				
(5) IQ nonverb.	4.49	1.35	2.00	7.00	.19	−	-.04	**.46****			
(6) Arithmetic	110.41	9.59	87.14	122.35	.02	−	.11	**.27***	**.39****		
(7) Vocabulary	4.75	1.11	2.00	7.00	-.00	−	**-.44****	**.51****	**.29***	**.28***	
(8) Reading	105.92	8.37	86.25	119.77	.08	−	-.02	.16	.12	**.34***	**.32***

Note. Pearson's correlation, * $p \leq .05$,** $p \leq .01$. Cat. 1 = Category 1, Cat. 2 = Category 2. Significant correlations are bold.

Table S3.
Descriptive statistics and correlations of the behavioral variables of the French data set 2 (n = 42; Schwarz et al., 2018)

Variables	Cat. 1	%	Cat. 2	%	(1)	(2)	(3)	(4)	(5)	(6)	(7)
(1) Sex	male	45.2	female	54.8							
(2) ADHD	no	100.0	yes	0.0	–						
	Mean	SD	Min	Max							
(3) Age	11.05	1.25	8.47	11.05	-.18	–					
(4) IQ verbal	4.81	1.40	2.00	7.00	.12	–	.22				
(5) IQ nonverb.	3.93	1.52	1.00	7.00	-.17	–	-.20	**.37***			
(6) Arithmetic	98.07	25.13	60.00	150.00	-.20	–	**-.36***	.21	**.51****		
(7) Vocabulary	4.36	1.36	1.00	7.00	.06	–	.02	**.40****	.27	**.33***	
(8) Reading	93.77	4.50	77.14	99.25	.55	–	.08	.20	.06	**.31***	.13

Note. Pearson's correlation, * $p \leq .05$,** $p \leq .01$. Cat. 1 = Category 1, Cat. 2 = Category 2. Significant correlations are bold.

Table S4.
Descriptive statistics and correlations of the behavioral variables of the American data set 1 (n = 132; Suárez-Pellicioni et al., 2019)

Variables	Cat. 1	%	Cat. 2	%	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(1) Sex	male	47.0	female	53.0								
(2) ADHD	no	81.8	yes	18.2	-.11							
	Mean	SD	Min	Max								
(3) Age	11.26	1.46	8.36	15.00	**-.18***	.05						
(4) IQ verbal	55.67	9.57	33.00	78.00	.06	-.15	-.16					
(5) IQ nonverb.	53.66	9.56	29.00	72.00	-.07	-.12	**-.20***	**.35****				
(6) Arithmetic	101.08	23.30	62.00	159.00	-.02	**-.20***	-.14	**.52****	**.54****			
(7) Vocabulary	53.57	9.97	34.00	80.00	.03	-.05	**-.23****	**.70****	**.42****	**.54****		
(8) Reading	104.24	13.27	62.00	133.00	.11	-.12	**-.20***	**.43****	**.33****	**.48****	**.47****	
(9) Phonological Awareness	98.55	15.84	59.00	133.00	-.01	-.12	-.13	**.47****	**.47****	**.45****	**.58****	**.54****

Note. Pearson's correlation, * $p \leq .05$,** $p \leq .01$. Cat. 1 = Category 1, Cat. 2 = Category 2. Significant correlations are bold.

Table S5.
Descriptive statistics and correlations of the behavioral variables of the American data set 2 (*n* = 185; Lytle, McNorgan and Booth, 2019)

Variables	Cat. 1	%	Cat. 2	%	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(1) Sex	male	51.9	female	48.1								
(2) ADHD	no	77.3	yes	22.7	-.09							
	Mean	SD	Min	Max								
(3) Age	10.48	1.62	7.50	14.38	-.13	-.01						
(4) IQ verbal	56.68	9.84	33.00	80.00	-.02	.04	-.08					
(5) IQ nonverb.	54.00	8.81	29.00	72.00	.08	.04	-.09	**.45****				
(6) Arithmetic	100.89	13.60	60.00	133.00	.05	**-.17***	.00	**.44****	**.35****			
(7) Vocabulary	54.70	10.39	33.00	79.00	-.07	.06	-.08	**.73****	**.49****	**.44****		
(8) Reading	97.35	14.49	59.00	144.00	**.16***	**-.18***	-.06	**.39****	**.34****	**.45****	**.39****	
(9) Phonological Awareness	98.23	13.76	67.00	127.00	.09	-.05	-.06	**.46****	**.40****	**.37****	**.47****	**.46****

Note. Pearson's correlation, * $p \leq .05$,** $p \leq .01$. Cat. 1 = Category 1, Cat. 2 = Category 2. Significant correlations are bold.

Table S6.
Descriptive statistics and correlations of the behavioral variables of the American data set 3 (*n* = 56; Lytle, Prado & Booth, 2020)

Variables	Cat. 1	%	Cat. 2	%	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(1) Sex	male	42.9	female	57.1								
(2) ADHD	no	83.9	yes	16.1	-.21							
	Mean	SD	Min	Max								
(3) Age	11.20	1.64	8.47	15.00	-.23	**.27***						
(4) IQ verbal	59.04	8.97	37.00	76.00	-.03	-.18	-.08					
(5) IQ nonverb.	56.05	8.47	32.00	69.00	-.15	-.22	-.23	**.26**$^{+}$				
(6) Arithmetic	111.45	22.79	62.00	159.00	-.14	-.22	-.10	**.47****	**.53****			
(7) Vocabulary	56.91	9.82	38.00	79.00	.04	-.04	-.17	**.73****	**.31***	**.38****		
(8) Reading	109.75	11.95	86.00	133.00	.01	**-.36****	-.23	**.39****	**.36****	**.34***	**.36****	
(9) Phonological Awareness	105.25	14.88	64.00	133.00	-.09	-.11	-.17	**.48****	**.42****	**.37****	**.53****	**.48****

Note. Pearson's correlation, $^{+}p \leq .052$, * $p \leq .05$,** $p \leq .01$. Cat. 1 = Category 1, Cat. 2 = Category 2. Significant correlations are bold.

Table S7.

Descriptive statistics and correlations of the behavioral variables of the American data set 3 (n = 68; Lytle, Hammer & Booth, 2020)

Variables	Cat. 1	%	Cat. 2	%	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(1) Sex	male	94.1	female	5.9								
(2) ADHD	no	39.7	yes	60.3	**-.31***							
	Mean	SD	Min	Max								
(3) Age	10.34	.94	8.59	11.96	-.16	-.06						
(4) IQ verbal	58.43	10.56	22.00	77.00	.22	**-.24***	-.03					
(5) IQ nonverb.	55.47	9.67	22.00	72.00	.22	**-.28***	-.09	**.48****				
(6) Arithmetic	104.47	13.07	72.00	134.00	.19	**-.28***	.18	**.44****	**.57****			
(7) Vocabulary	58.00	11.24	34.00	80.00	**.40****	**-.36****	-.12	**.75****	**.65****	**.51****		
(8) Reading	102.75	16.63	58.00	140.00	**.29***	**-.30***	-.07	**.32****	**.41****	**.28***	**.56****	
(9) Phonological Awareness	104.06	14.14	70.00	127.00	**.26***	-.23	-.12	**.57****	**.60****	**.38****	**.66****	**.52****

Note. Pearson's correlation, * $p \leq .05$,** $p \leq .01$. Cat. 1 = Category 1, Cat. 2 = Category 2. Significant correlations are bold.