Bergmann Rouven Form 4 July 20, 2018

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b). (Print or Type Responses)

1. Name and Address of Reporting Person * Bergmann Rouven			2. Issuer Name and Ticker or Trading Symbol Medidata Solutions, Inc. [MDSO]	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)			
C/O MEDIDATA SOLUTIONS, INC., 350 HUDSON STREET, 9TH FLOOR		JTIONS,	(Month/Day/Year) 07/19/2018	Director 10% Owner Officer (give title Other (specify below) below) Chief Financial Officer			
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
NEW YORK, NY 10014			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acc	unired. Disposed of, or Beneficially Owned			

1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securi	ties A	cquired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if Transaction(A) or Disposed of (I				d of (D)	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(Instr. 3,	4 and	5)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	Indirect (I)	Ownership
		•					Following	(Instr. 4)	(Instr. 4)
					(4)		Reported		
					(A)		Transaction(s)		
			G 1 17		or	ъ.	(Instr. 3 and 4)		
			Code V	Amount	(D)	Price			
Common	07/19/2018		S	3,000	D	\$	78,862 (2)	D	
Stock				(1)		85.36			

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Titl		8. Price of	9. Nu
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transact Code (Instr. 8)	orNumber of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	:		Amou Under Securi (Instr.	lying	Derivative Security (Instr. 5)	Deriv Secur Bene Own Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Relationships **Reporting Owner Name / Address**

> Director 10% Owner Officer Other

Bergmann Rouven C/O MEDIDATA SOLUTIONS, INC. 350 HUDSON STREET, 9TH FLOOR NEW YORK, NY 10014

Chief Financial Officer

Signatures

/s/ Michael I. Otner, Attorney-in-Fact

07/20/2018

Date

**Signature of Reporting Person

Explanation of Responses:

- If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- The sale reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on October 30, (1)
- Included are 220 shares which were purchased pursuant to the terms of the Medidata Solutions, Inc. Employee Stock Purchase Plan on **(2)** June 29, 2018.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2