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A Capitalized Title: Something about a Package cleanR

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Abstract

The abstract of the article.

Keywords: keywords, comma-separated, not capitalized, Java.

1. Introduction

Statisticians and data analysts spend a large portion of their time on data cleaning and on data wrangling. Packages such as , , and make data wrangling a lot easier in R, but there are only a few options available for data cleaning.

Data cleaning is a time consuming endeavour and it inherently requires human interaction since every dataset is different and the variables in the dataset can only be understood in the proper context of the experiment. While each dataset is different and require ... ("simple questions"

- ... there are a number of common occurrences that This is particulary Automated
- \dots partly be done by \dots However \dots enough \dots similar tasks that pop

However it is not uncommon for ... to run a set of

2. Checking a dataset for errors

- > library(cleanR)
- > data(testData)
- > testData

charVar factorVar numVar intVar boolVar keyVar emptyVar _joeVar jack__var

1	a	a	1	1	TRUE	. 1	1	1	1	
2	b	b	2	2	FALSE		1	2	2	
3	С	С	3	3	TRUE	3	1	3	3	
4	a	a	4	4	TRUE	4	1	4	4	
5	Ъ	b	5	5	TRUE	5	1	5	5	
6	d	d	6	6	FALSE	6	1	6	6	
7	a	a	7	7	TRUE	7	1	7	7	
8	a	a	8	8	FALSE	8	1	8	8	
9	Ъ	Ъ	9	9	TRUE	9	1	9	9	
10	С	С	10	10	TRUE	10	1	10	10	
11	a	a	1	1	TRUE	11	1	11	11	
12	b	b	1	1	FALSE	12	1	12	12	
13	d	d	1	1	NA	13	1	13	13	
14	a	a	5	5	NA	14	1	14	14	
15	<na></na>	999	5	5	NA	15	1	15	15	
	${\tt numOutlierVar}$	smart		-	orVar	cprKeyVar		dMissing	gVar	
1	1		0			10101-1111			•	
2	2		0			20102-2929				
3	3 0		121201-1902 121201-1902			nan				
4	4 0		000,10 1111 000,10 1111			NaN				
5	5 0		***************************************			NAN				
6	6 0			VIVIVI IIII VIVIVI VIVI			na			
7	7 0		020102-2929 030303-0101			NA				
8	8 1		121201-1902 040404-0101			Na				
9	9 1			***************************************			Inf			
10	10 1			***************************************			inf			
11				010101 1111 0.0.0. 0101				-Inf		
12	12				020102 2020 000000 0101			-inf		
13	13		1			90909-0101			-	
14	14		1			20202-0202			9	
15	100		1	080909-	-1212 C	30303-0202	•		9	

> clean(testData)

http://www.jstatsoft.org/ http://www.foastat.org/

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3. Extending the error checks

4. About Java

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