

编者按： 20

Variety	Big Data Value	Volume	Velocity
		2012 3	" "
		1993	" "
1985	" "		
7	" "		
2014			2015

大数据时代的汉语国别化教材研发

——兼论教材实时修订功能

361005

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ZX2014029

摘要:

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③ " ④
⑤ " "

关键词:

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2015 " " textbook

134 1500

21

Terabytes Petabytes

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" " OLAP" " XML/RDF"

1.

2012 " " " " " " "

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2.

3.

4.

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6.

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7.

QQ

Skype

8.

1.

Tables/Transaction/Legacy Data
XML

web
" RDF"

2.

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4.

XML
Search

MapReduce

SQL Impala

Cloudera

5.

6.

Speech corpus

Spoken corpus

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1.

Mayer-Schönberger & Cukier 2013

" " " "

2014

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Mehrabian 1967 38%
7% 55%
2-2.5 { 1 "

Giora 1997

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" Graded Salience Hypothesis

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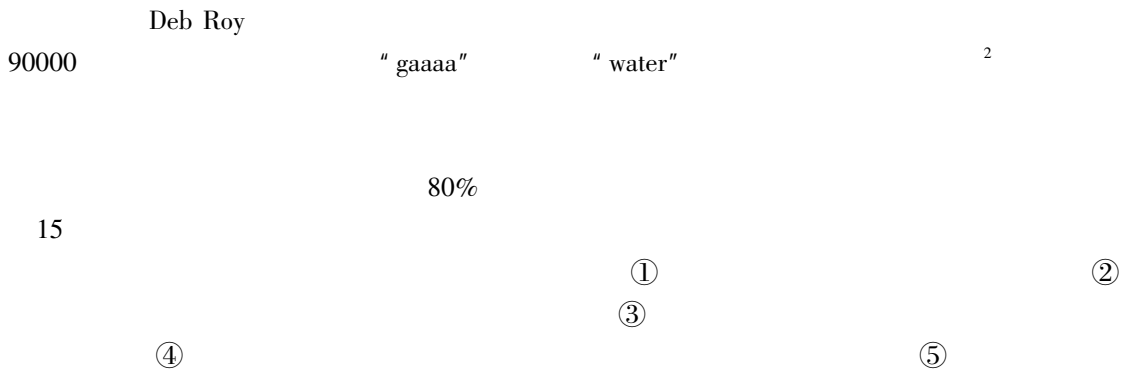
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IOS ePUB Android tablets MOBI Amazon Kindle HTML iBook iPad and Mac /
/iPad/

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Study on Development of Chinese Country-specific Teaching Materials Based on Big Data

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Abstract The record form of human language has great diversity. Traditional textbooks can neither provide support for the development of digital teaching and individualized teaching nor meet the demand of various types and levels of learning. Big data can provide a new perspective for the development of Chinese country-specific teaching materials. The linguistic data in the era of big data has eight characteristics complexity dynamicity authenticity universality historicity interdisciplinary and multimedia and accessibility. There are five reasons for the development of Chinese country-specific teaching materials the basement of the source of the teaching materials teaching resources based on big data the inno-

vation of the teaching material extract the oral features the trend of the teaching materials' development learners' learning behavior analysis The accept or reject of the teaching materials the language cognitive process and multiple sensory systems The arrangement of the teaching materials "Graded Salience Hypothesis". There are also four principles of development including analysis based on the learning behavior language product based on the multiple sensory systems development of teaching materials based on the corpus design and the real-time revise of teaching materials development based on the complex dynamic data.

Key words big data complex dynamic system Teaching Chinese as a Second Language country-specific teaching materials corpus

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