大数据技术在测试领域应用案例分享

思维与工具

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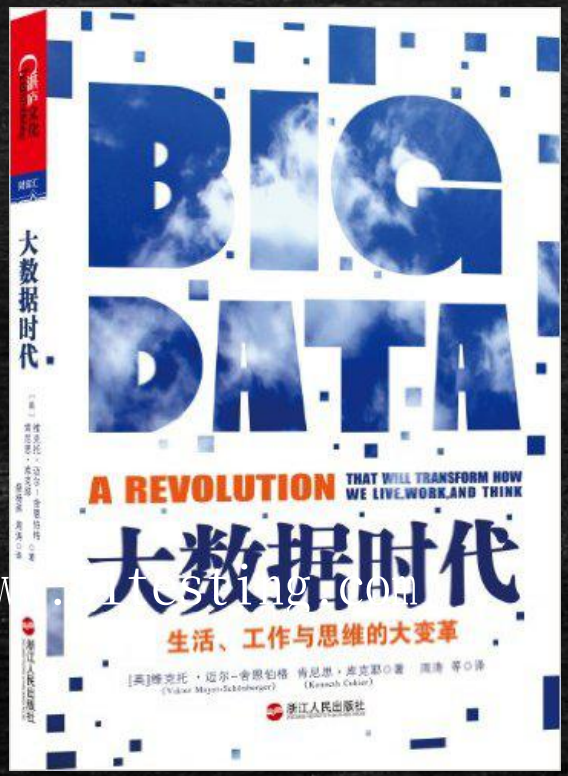
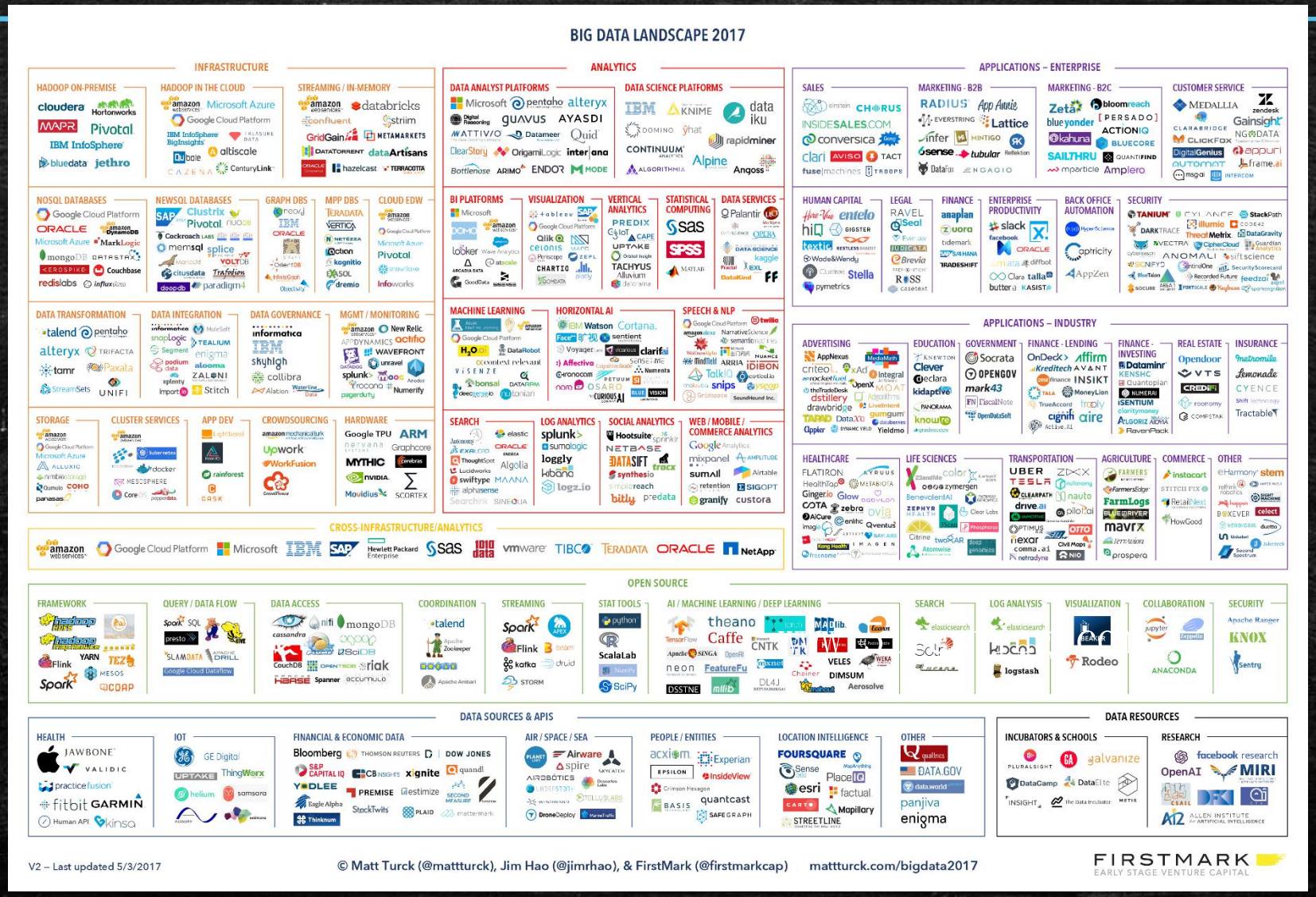
大数据思维

- 《大数据时代:生活、工作与思维的大变革》



大数据工具


BIG DATA LANDSCAPE 2017
INFRASTRUCTURE
HADOOP ON-PREMISE
HADOOP IN THE CLOUD
STREAMING / IN-MEMORY
NOSQL DATABASES
NEWSQL DATABASES
GRAPH DBS
MPP DBS
CLOUD EDW
DATA TRANSFORMATION
DATA INTEGRATION
DATA GOVERNANCE
MGMT / MONITORING
STORAGE
CLUSTER SERVICES
APP DEV
CROWDSOURCING
HARDWARE
ANALYTICS
DATA ANALYST PLATFORMS
DATA SCIENCE PLATFORMS
BI PLATFORMS
VISUALIZATION
VERTICAL ANALYTICS
STATISTICAL COMPUTING
DATA SERVICES
MACHINE LEARNING
HORIZONTAL AI
SPEECH & NLP
SEARCH
LOG ANALYTICS
SOCIAL ANALYTICS
WEB / MOBILE / COMMERCE ANALYTICS
APPLICATIONS – ENTERPRISE
SALES
MARKETING - B2B
MARKETING - B2C
CUSTOMER SERVICE
HUMAN CAPITAL
LEGAL
FINANCE
ENTERPRISE PRODUCTIVITY
BACK OFFICE AUTOMATION
SECURITY
APPLICATIONS – INDUSTRY
ADVERTISING
EDUCATION
GOVERNMENT
FINANCE - LENDING
FINANCE - INVESTING
REAL ESTATE
INSURANCE
HEALTHCARE
LIFE SCIENCES
TRANSPORTATION
AGRICULTURE
COMMERCE
OTHER
CROSS-INFRASTRUCTURE/ANALYTICS
OPEN SOURCE
FRAMEWORK
QUERY / DATA FLOW
DATA ACCESS
COORDINATION
STREAMING
STAT TOOLS
AI / MACHINE LEARNING / DEEP LEARNING
SEARCH
LOG ANALYSIS
VISUALIZATION
COLLABORATION
SECURITY
DATA SOURCES & APIS
HEALTH
IOT
FINANCIAL & ECONOMIC DATA
AIR / SPACE / SEA
PEOPLE / ENTITIES
LOCATION INTELLIGENCE
OTHER
DATA RESOURCES
INCUBATORS & SCHOOLS
RESEARCH
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EARLY STAGE VENTURE CAPITAL

通过案例认识大数据技术在测试中的应用

- 案例一：
  - 大数据样本分析概率性问题

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通过案例认识大数据技术在测试中的应用

- 案例二：
  - 灰度发布阶段， 对线上全量数据分析，补充抽样测试短板

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通过案例认识大数据技术在测试中的应用

- 案例三：
  - “大量数据”处理业务的测试

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通过案例认识大数据技术在测试中的应用

- 案例四：
  - 以大数据为基础的机器学习应用测试

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测试工作中的大数据思维

- 测试问题本质是“数据问题”
- 系统排错过程即是从数据进行分析的过程
- 测试执行与最终用户执行结果都是“基于规则的数据”

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如何落地

思维变革

掌握工具

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