

The Rise of Data Capital

DATA CREATES VALUE

\$78 trillion

Global gross domestic

product 2014¹

Some portion of the \$74 trillion-dollar gap between these two numbers is attributable to the **4.4** zettabytes

of data in the digital universe. But how much?

\$4 trillion

Global information, communications, technology (ICT) spending 2014²



\$6 trillion

The accumulating global value of digital-capital investments, about 8.5% of nominal world GDP4



84% of the market value of companies in the S&P

500 come from intangible assets3

DATA CAPITAL DEFINED

Data capital is the recorded information necessary to produce a good or service. It encompasses any and all captured data, including:



Audio

Customer support calls, voice interactions from devices and automated systems



X-rays, security footage



Sensor

Temperature, humidity, vibration, acceleration



configuration, GPS





Enterprise Transactions, customer records, support

history



Data

Data capital has big implications for competitive strategy.

Why It Matters:

3 PRINCIPLES OF DATA CAPITAL

comes from activity Data is not just a record of what

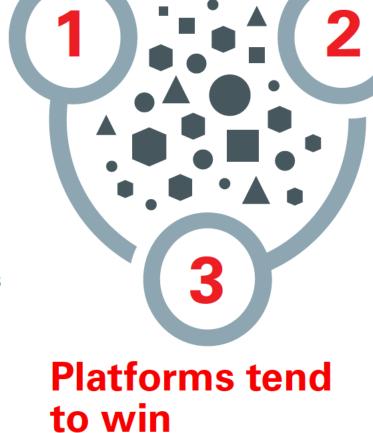
happened, but raw material for creating new digital products and services. So what?



You can't build

with data you

don't capture.



The capture and use of more data in more daily activities

like transportation, manufacturing, financial services, and healthcare. So what? Platform competition often

brings platform competition

to real-economy industries

Data tends to make more data Algorithms that

drive pricing, ad targeting, inventory management, and fraud detection all produce data about their own performance - data that improves performance. So what?

Algorithms are the secret weapon of data-driven

competition.



leads to a winner-take-all

outcome.

HOW ORACLE CAN HELP

delivers new capabilities:

precision of

that region

messaging for

company.

Data driven tailoring Algorithms taking finely tuned actions on behalf of the

Fully exploiting data capital requires a hybrid cloud architecture that



its online gaming players more accurately and faster its 300 billion

Revenue increase in one region by increasing the

Data services



Before

Hours it took to run

just one predictive

model related to

successfully run an ensemble of four player activity predictive models

OracleData Cloud Audience Data

Marketplaces give you access to:

After

Minutes it took to



26

of the

top CPG

brands

Fortune 500 global advertisers in virtually every industry:

through APIs.

110MM \$3 T 1,500+ of the U.S. HHs in consumer data top auto transactions partners manufacturers

Data packaged up for sale or made available for use

Data nudges

▶ De Persgroep analyzes a 360

92% prediction accuracy to

degree view of customer and

prospect behavior, achieving:

reduce customer subscriber

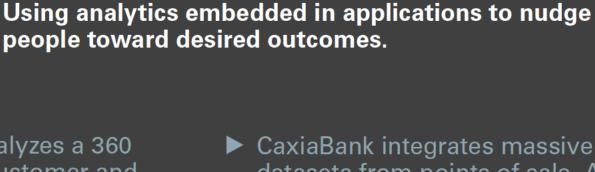
of the top U.S. banks, tech providers, travel brands and wireless telcos

13

of the

top retail

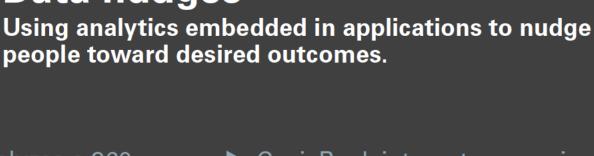
brands



which led to:

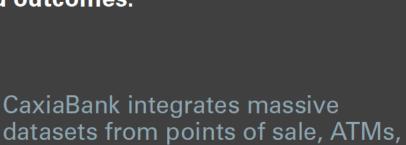
improvement of

click-through rates



web, and mobile to deploy

personalized, targeted messages -



resulting

sales

churn, and a improvement in converting prospects to customers.

in less than one month.

Internal data markets

Making diverse data sets easily available

► CERN's Large Hadron Collider is the most complex machine in the world. The lab combines diverse data from hundreds of flow meters, thousands of control valves and over ten

within the company.

thousand actuators into one internal data market. Technicians browse for data sets in this market, making new combinations of data to uncover new issues before they become problems.

To learn more about how to take advantage of your data capital, visit: oracle.com/bigdata

Join our communities B f 8+ in Y (Tube)







[1] http://databank.worldbank.org/data/download/GDP.pdf

[2] http://www.statista.com/statistics/203935/overall-it-spending-worldwide/ ^[3] http://www.oceantomo.com/blog/2015/03-05-ocean-tomo-2015-intangible-asset-market-value [4] http://www.mckinsey.com/insights/high_tech_telecoms_internet/measuring_the_full_impact_of_digital_capital

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