HOW BIG DATA ANALYTICS IS CHANGING THE **REAL ESTATE INDUSTRY**

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1 zettabyte

Predictive analytics

Big data applications usually run in the

20%

Data

gathering

80%

Data

analysis

Big data strategies can

Analyses

Working with probabilities

Automatic statistician

H

TODAY 2025 **BIG DATA**

What data?

Data mining using automated algorithms

SMART DATA What data?

DATA MINING AND ALGORITHMS

100 exabytes · Company data · Economic data · Market data

Sentiment analyses

Analysts compile the data necessary

80%

Data

gathering

20%

Data

analysis

Evaluation of decision-relevent

BUILDINGS

Huge volumes of

technical data

real estate sector.

• Building Management

35

market in formation

Market reports

eg: Market reports **Cognitive computing** Support during decision-making AI Risk analyses **Forecasts**

CHANGES IN ANALYSTS' WORK BETWEEN NOW & 2025

TODAY 2025

for their analyses from a host of sources they backgroung and generate output for must themselves find and assess analysts in the form of small / smart data

Information searches Big data and data gathering queries

Smart / Unstructured People People sea of data application Small data Small data

 Research More accurate forecasts / predictions Ad-hoc queries Identification of complex relationships Forecasts Market reports

- Analyses POTENTIAL OF BIG DATA IN THE REAL ESTATE SECTOR
- profiles ensure providing produce financial, investment are analyzed in real time. better fit, high quality and and market insights that help Owners can modify buildings personalized offers for clients with assessing risks and to enhance efficiency that will which they can't resist. making decisions. reduce operational costs.

However, big data does not have the same impact on every field and business division in the

SERVICES

Transparent customer

HOW STRONGLY WILL IT IMPACT DIFFERENT

REAL-ESTATE FIELDS & BUSINESS DIVISIONS



• Project Development / Implementation

(output at work: 80% analysis, 20% data

estate market)

30.5%

gathering; more accurate statements about future developments in the real



21.5%

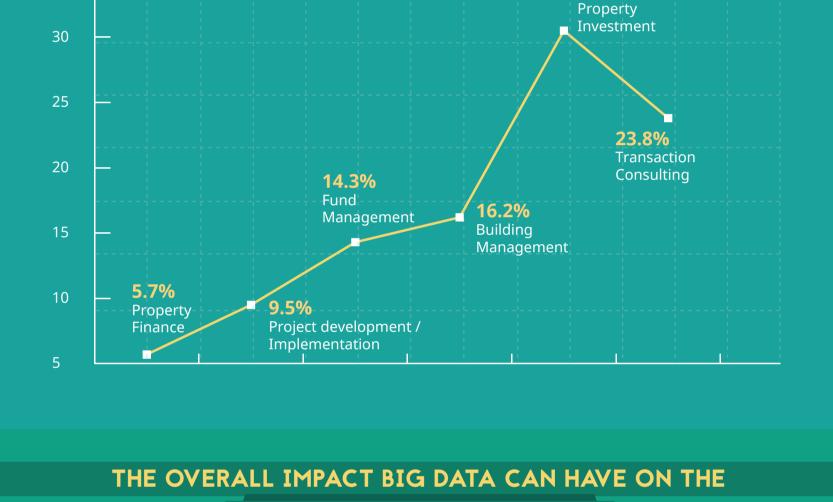
Researchers can use big 0.9% data to supplement their Big Data will make research work

REAL ESTATE INDUSTRY SECTOR THAT WILL

UNDERGO THE GREATEST CHANGES DUE TO BIG DATA

segment

redundant as a market



REAL ESTATE SECTOR

51% - Enhanced

standardization across

the real estate

contribution to

investment decisions

Agree in part 49.1%

External

Data Sets

Minimizes risk

48% - Enhance **6%** - Management **5%** - Cannot see big **19% -** Gathers risk adjusted automated KPIs such as has less autonomy data having any impact investment decision take-up and investment when making decisions on the real estate making volumes sector

WILL MORE DATA LEAD TO MORE STABILITY ON MARKETS?

Disagree 31.1%

59% - Big data

helps minimize

risks

67% - Big data brings transparency

to the markets

BigData

Database

Technology

Analytics:

It improves / supports

decision-making

processes

32% - Optimizes

property investment

models

How much money

other investors

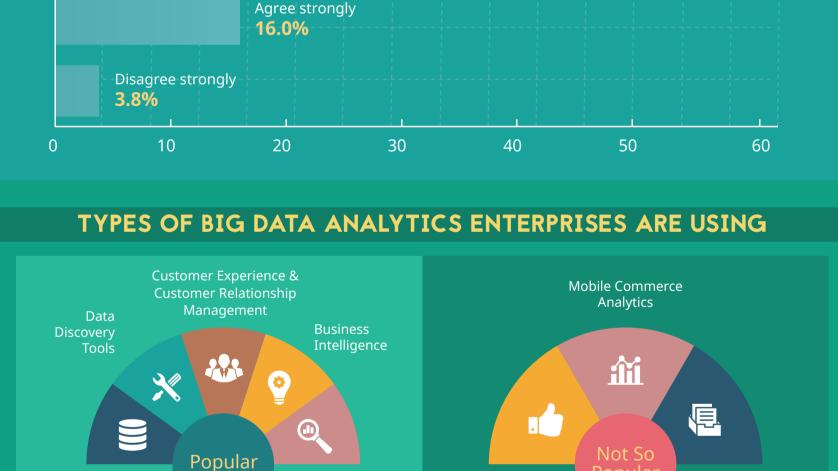
are making

How much money

they could be

making

\$



Social Media

Predictive analytics

(using historical data to forecast/ identify trends)

22% - Improves

communication for

market participants

How does this

to use

(

Tells them the

competition

Shows what property to

pick and what strategy

Monitoring

71% -**39.8% -** Helps 52.8% -**62% -** Improves

WHAT DOES PREDICTIVE DATA TELL A REAL ESTATE

INVESTOR?

KEY BIG DATA APPLICATIONS FOR BANKS,

REAL ESTATE INVESTMENT TRUSTS (REITS) & BUYERS

WHY SHOULD INVESTORS CARE ABOUT REAL ESTATE

ANALYTICS?

Top Opinions of the survey participants on why should investors adopt Big Data

Financial

Analytics

transparency of real

estate markets

25% - Provides

accurate property

evaluation

How good a market is for data help them \$ investing get rich?



BIG DATA'S PROS & CONS



For BANKS

The knowledge of actual property value can help

them wait for a genuine

buyer rather than a

PROS

Identifying previously

comprehensive analyses

unknown potential

Faster and more

Faster reactions by

management

smart investor



Source: https://ww2.frost.com/event/calendar/big-data-analytics-whos-buying-what-and-what -are-they-missing/

Improved customer

decisions based on

real data

Feel more confident

and satisfied about

CONS

Privacy and data protection: who is allowed to use the data?

Swarm stpidity? -> "Percieved

connections"?

their decisions

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