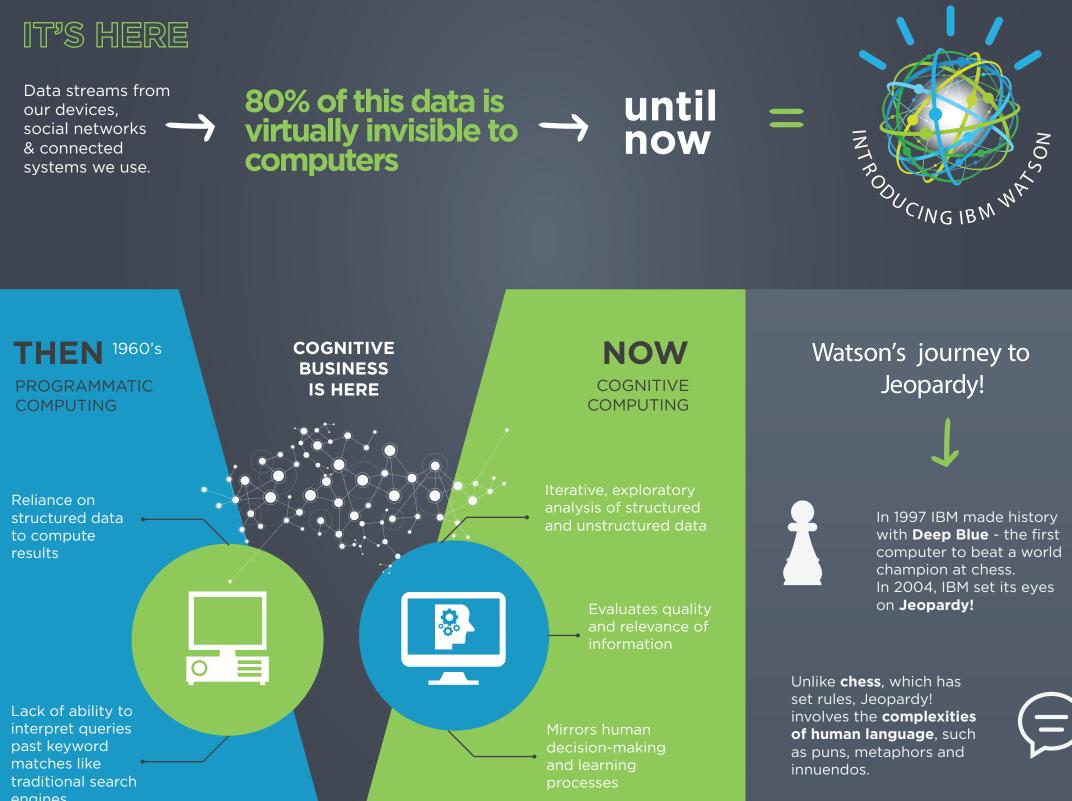
# ARE YOU READY FOR THE COGNITIVE COMPUTING REVOLUTION?

THE AMOUNT OF TOTAL GLOBAL DATA DOUBLES EVERY 2 YEARS 1995 2015



This clears the way for a new generation of business that will rely not just on programmable computing, but on cognitive technologies like Watson.

# Say Hello to Watson!

IBM Watson applies its cognitive technologies to help change how we approach and understand all of this information. Everything that is digital has the potential to become cognitive, and, in a sense, be able to "think."

#### **HERE'S HOW IT WORKS:**

#### **Database preparation**

Watson is supplied with large amounts of unstructured to semistructured data ranging from publicly available databases through to user selected databanks based on the field it is working in.

#### **Question Analysis & Content Specific** Information

The user supplies Watson with the query in form of a question. Also, Watson can be supplied with adittional data for the particular issue at hand, for example, a doctor can supply their patient's medical history to personalise the results to the needs to the patient.



0 0 Watson learns the mode of

In 2005, the development of IBM Watson **begins**.

In 2006, while the best real-life competitors buzzed in half the time and responded correctly to as many as **95%** of clues, Watson's first pass could get only about **15%** correct.



In 2008, IBM representatives **contact** producers of Jeopardy! organising a game vs the program's most successful contestants; Ken Jennings and Brad Rutter.

By 2010, Watson could beat human Jeopardy! contestants on a regular basis, winning 65% out of about **100** matches.





In 2011 The first match takes place. The game ended with Jennings with \$4,800, Rutter with \$10,400, and Watson with \$35,734.

2011 sees the second match taking place. The final result ended with a **victory for** Watson with a score of **\$77,147**, besting Jennings who scored \$24,000 and Rutter who scored \$21,600.



**IBM** makes history once again as it creates a machine

Suggested

#### **Recommendations**

Finally, Watson spits out a number of suggestions or recommendations giving the statistical significance of each one and showing the mode of thought each suggestion used.



that beats humans at Jeopardy!



# How can Watson help you?



## **Personalise your** offering

Watson is able to paint a richer picture of a customer, adding details that have been hard or impossible to detect: tone, sentiment, emotional state.



## **Gain insights and** predicitions

It can uncover patterns, opportunities and actionable hypotheses that are virtually impossible to discover with existing technology.



# **Optimise your** operations

A cognitive business can help transform how it functions, infusing its business processes with cognitive capabilities that can potentially lead to better forecasting and decision-making.

# JUST ASK WATSON

Interested in learning more about how IBM Watson and cognitive business can rapidly help transform your processes? Register for our Just ask Watson event series.

### **REGISTER HERE**



http://www1.unece.org/stat/platform/display/msis/Big+Data

Cognitive Computing in the Age of Big Data

IBM: Cognitive Outthink

Baker, Stephen (2011). Final Jeopardy: Man vs. Machine and the Quest to Know Everything. Boston, New York: Houghton Mifflin Harcourt. pp. 6-8. ISBN 0-547-48316-3.



FRESH IDEAS. EXCEPTIONAL OUTCOMES.

certussolutions.com | info@certussolutions.com