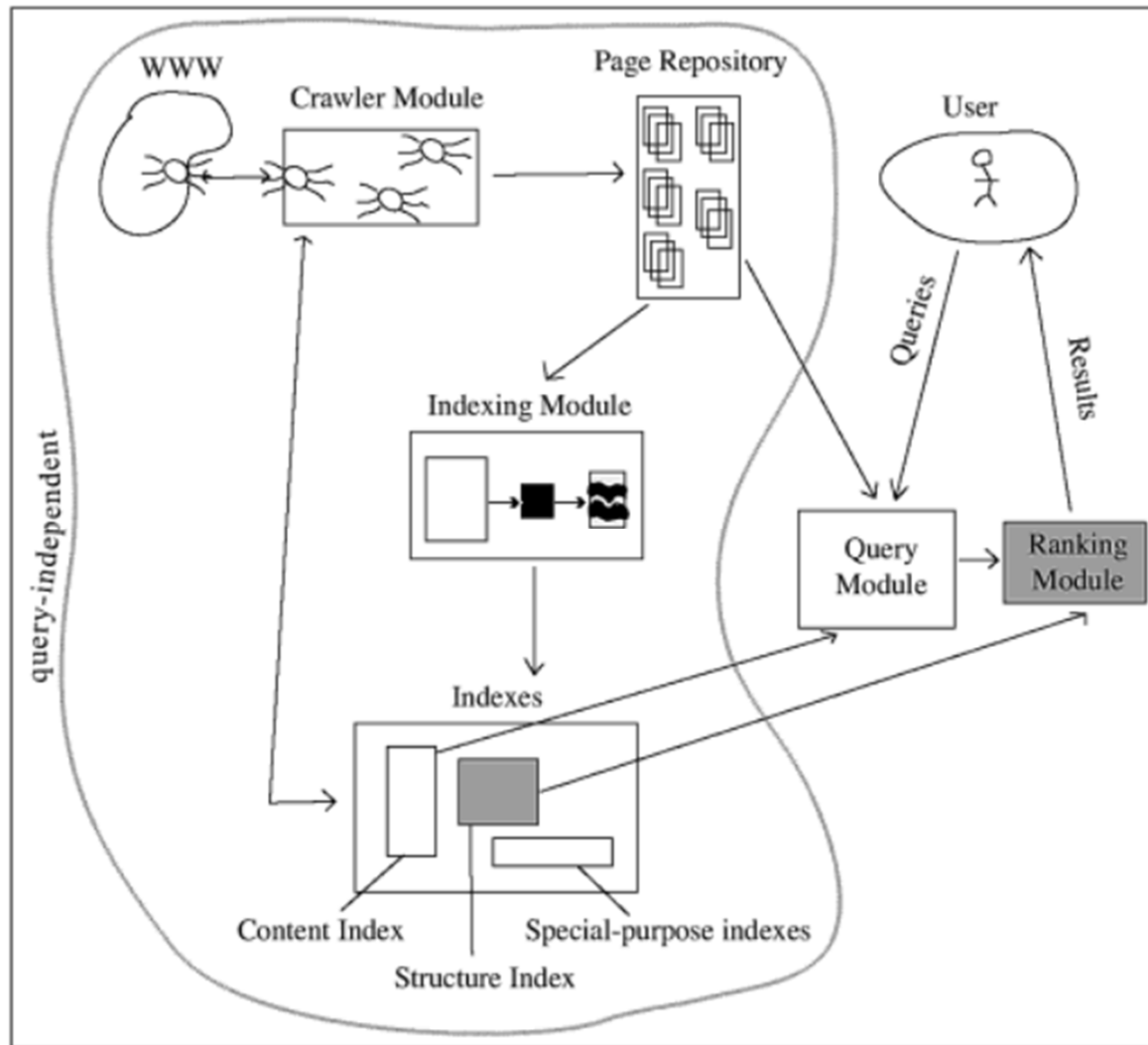


# **Information Retrieval – Part 3**

Deepak Kumar

# Web Information Retrieval



# Question Answering

## Apple Siri

Q. Where was Albert Einstein born?

Q. Where was Barack Obama Born?

Q. Who are The Shinns?

Q. Who won the 49-ers game on Sunday?

# DeepQA

**IN 2011 THIS COMPUTER  
WON THE JEOPARDY!  
CHALLENGE BY BEATING  
THE TWO LONGSTANDING  
CHAMPIONS.**

# DeepQA

*What is Watson?*



PIENSE

SMACHIS

THINK

सोचिए



АЙ

ΣΚΕΨΟΥ

DENKE

PENSER

\$3,400

KEN

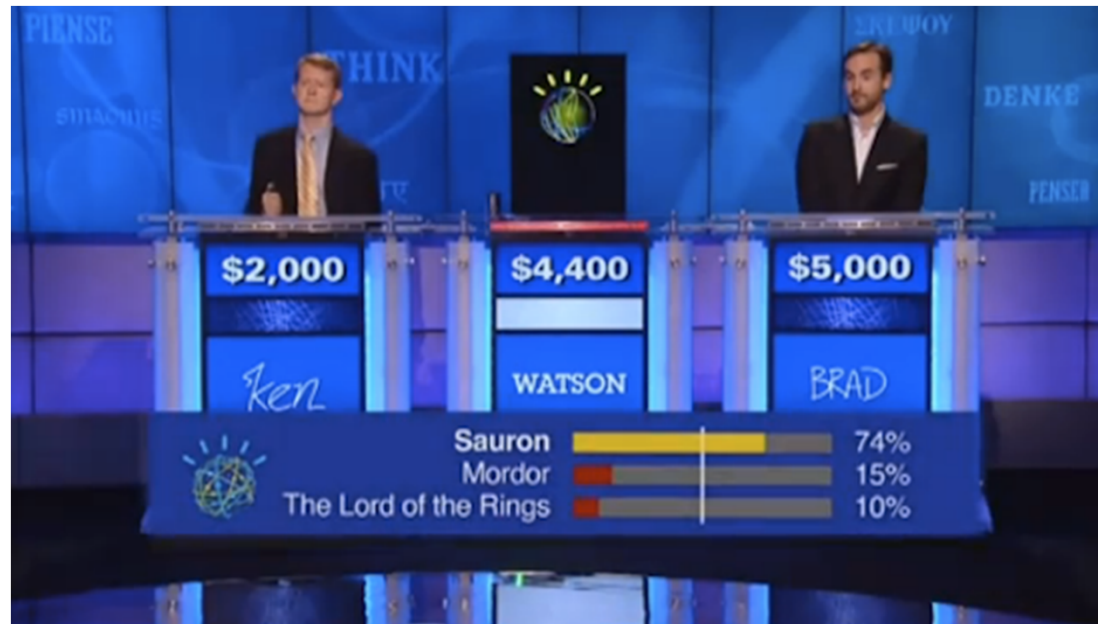
\$4,400

WATSON

\$1,200

BRAD

# Threshold and Confidence Scores





PIENSE

SMACHIS

THINK

सोचिए



АЙ

ΣΚΕΨΟΥ

DENKE

PENSER

\$3,400

KEN

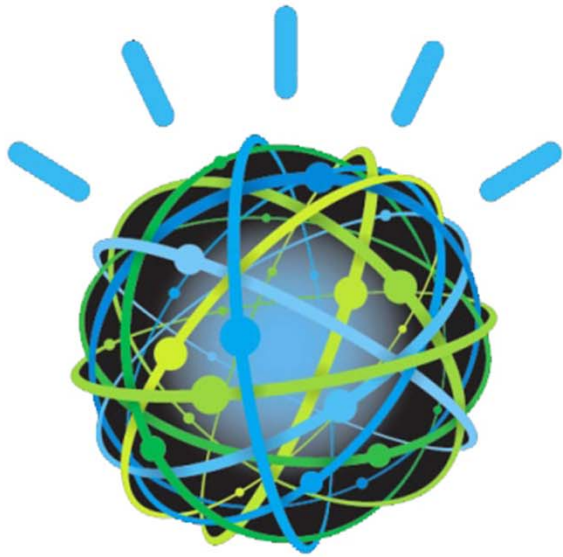
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WATSON

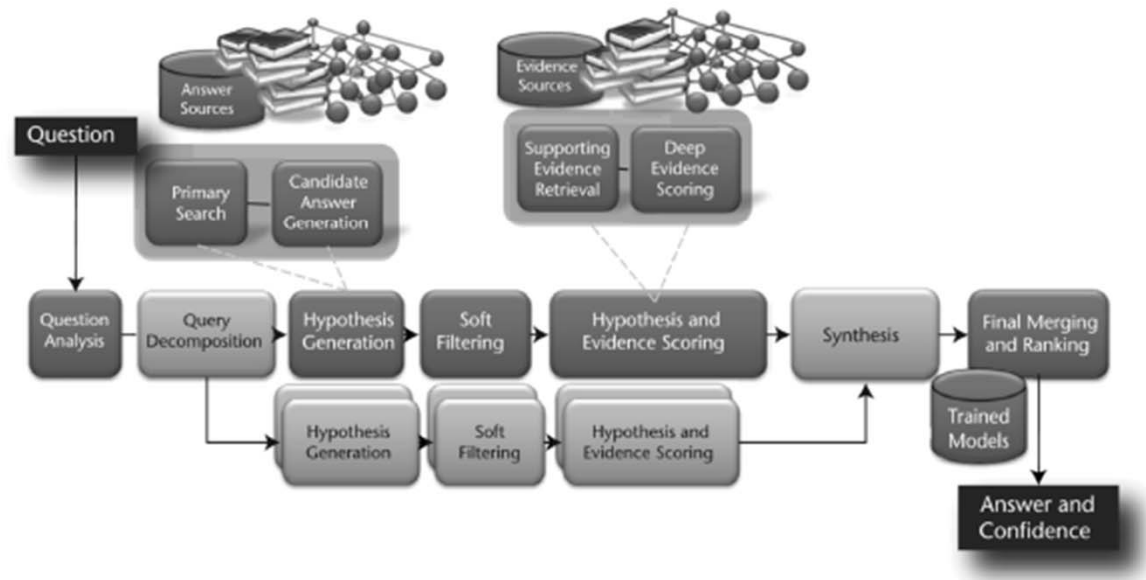
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BRAD



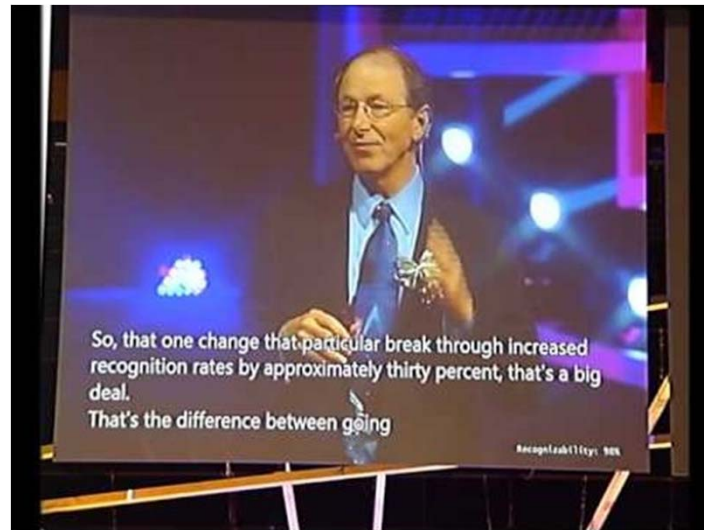


# Watson Architecture



[View David Ferrucci video](#)

# Speech Recognition



# BIG DATA

- Data intensive computing
  - capture
  - curation
  - storage
  - search
  - sharing
  - analysis
  - visualization



# BIG DATA



# Next: Visualizing Data

