The price of not knowing.
Public Safety

New York City surveillance cameras and sensors generate **520 TB** of data per day, largely unstructured.

Oil & Gas

Modern facilities have more than **80,000** sensors in place, and a single reservoir will produce more than **15 PB** of data in its lifetime.

Energy & Utilities

More than **680 million** smart meters will be installed globally by 2017 – producing more than **280 PB** of new data to be analyzed and acted upon.

Healthcare

Each person will generate **1 million GB** of health-related data in their lifetime – equivalent to about **300 million** books.
Human + Machine

Self-directed goals  Large-scale math
Common sense      Pattern discovery
Value judgment     Statistical reasoning
Rethinking what's possible.
IBM WATSON HEALTH CLOUD

Life Sciences
Analytics / Insights Platform

Continuum of Care
Wellness, population health, social care

Image Analytics

Cognitive Knowledge Platform

DATA

KNOWLEDGE

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A new collaboration for skin lesion analysis

Supervised Machine Learning

Training Images

Visual Recognition Services

Sorting

Intended solely to illustrate a vision of research concept.
A new collaboration for skin lesion analysis

Unknown Images

Quick Classify

<1sec evaluation time per image

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Intended solely to illustrate a vision of research concept.
Medical Sieve

Medical Sieve is an ambitious long-term exploratory grand challenge project to build a next generation cognitive assistant with advanced multimodal analytics, clinical knowledge and reasoning capabilities that is qualified to assist in clinical decision making in radiology and cardiology.