

Innovative



Agile



Proven



Quality



**IMT**

# IMT DATA SCIENCES

**“Data Loquantur” (let the data speak)**

Today everyone is talking about “Big Data”. But large volumes of data are not really new. The volume, velocity and veracity of new data are increasing but the science and math to deal with this data has existed for decades. What IS new and presents opportunities for organizations are advances in Big Data software to allow all organizations to cost effectively analyze, interpret and make predictions from large volumes of complex and unstructured data.

## IMT’S DATA SCIENCES CAPABILITIES

Our Data Science team provides technical and consulting services for operational and predictive analytics around “Big Data”. We have decades of experience providing services to government organizations, industry, academia, & healthcare agencies. In addition, we have completed numerous collaborations with agencies such as Industry Canada and TRTech. Our expertise includes:

SCIENTIFIC COMPUTING ---- PATTERN RECOGNITION ---- COMPUTATIONAL MODELLING  
MACHINE LEARNING ---- MULTIVARIATE STATISTICAL ANALYSIS ---- BIOMEDICAL INFORMATICS

## DATA SCIENCE SOLUTIONS IN EHEALTH

Healthcare is seeing an explosion in new and unstructured data including notes, reports, devices, patient sentiments, current events, self monitoring, client sentiments, and images. The opportunities for healthcare to leverage this data are many:

Predict / discover risk factors to better manage patient populations

Mine unstructured text in real-time to predict events (e.g. outbreaks)

Quickly and effectively find cohort patients for clinical trials

**UNSTRUCTURED TEXT**

**IMAGES / DEVICE DATA**

**SOCIAL MEDIA / PATIENT DATA**

Model multi-program scenarios to predict impacts (e.g. simultaneous changes to formularies, physician tariffs, and lab tests)

Actively track medical device data for alerts, trends and compliance

Understand total cost of care to forecast & allocate resources

Analyze unstructured text to enhance clinical decision support

## BIG DATA CERTIFIED WITH IBM

We are a Premier IBM Software Business Partner Certified in Big Data. In addition, we are Industry Certified in Healthcare and the Life Sciences delivering solutions to healthcare organizations for over 20 years. Let us show you how you can accelerate change and drive better outcomes from your “Big Data”.

Let us show you more by contacting us at the addresses below:



**Authorized Software Value Plus Information Management**

**IMT**

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