

## 01 Predictive modeling

Used in healthcare to predict patient outcomes, such as the likelihood of readmission or disease progression.

## 02 Personalized medicine

Involves using a patient's genetic information to tailor treatments specifically for them.

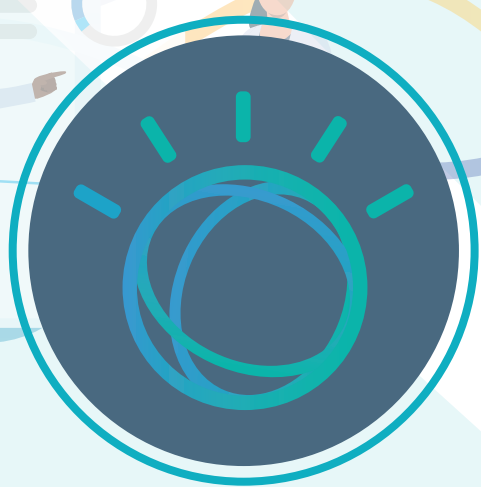
## 03 Disease outbreak modeling

Involves using data to predict the spread of infectious diseases, such as a pandemic. An example of disease outbreak modeling is using data to track and predict the spread of infectious diseases, like the COVID-19 pandemic

## 04 Medical Imaging

Involves using machine learning and computer vision algorithms to analyze medical images, such as X-rays, MRIs, and CT scans, to diagnose diseases and monitor treatment progress.

## Industry Experts



## Industry Case Studies

### 01 Metabiota

A company that specializes in infectious disease risk analytics. They use disease outbreak modeling to provide clients with early warning systems for emerging infectious diseases and to help them assess the potential impact of outbreaks on their operations.

### 02 Cerner

A healthcare technology company that provides software solutions to healthcare organizations. They use predictive modeling to help healthcare providers identify patients who are at high risk for readmission or complications, and to develop targeted interventions to improve outcomes.

### 03 Roche

A healthcare company that uses personalized medicine to develop targeted treatments for patients with cancer and other diseases. They use genetic testing to identify patients who are most likely to respond to a particular treatment and to monitor their response to treatment over time.

