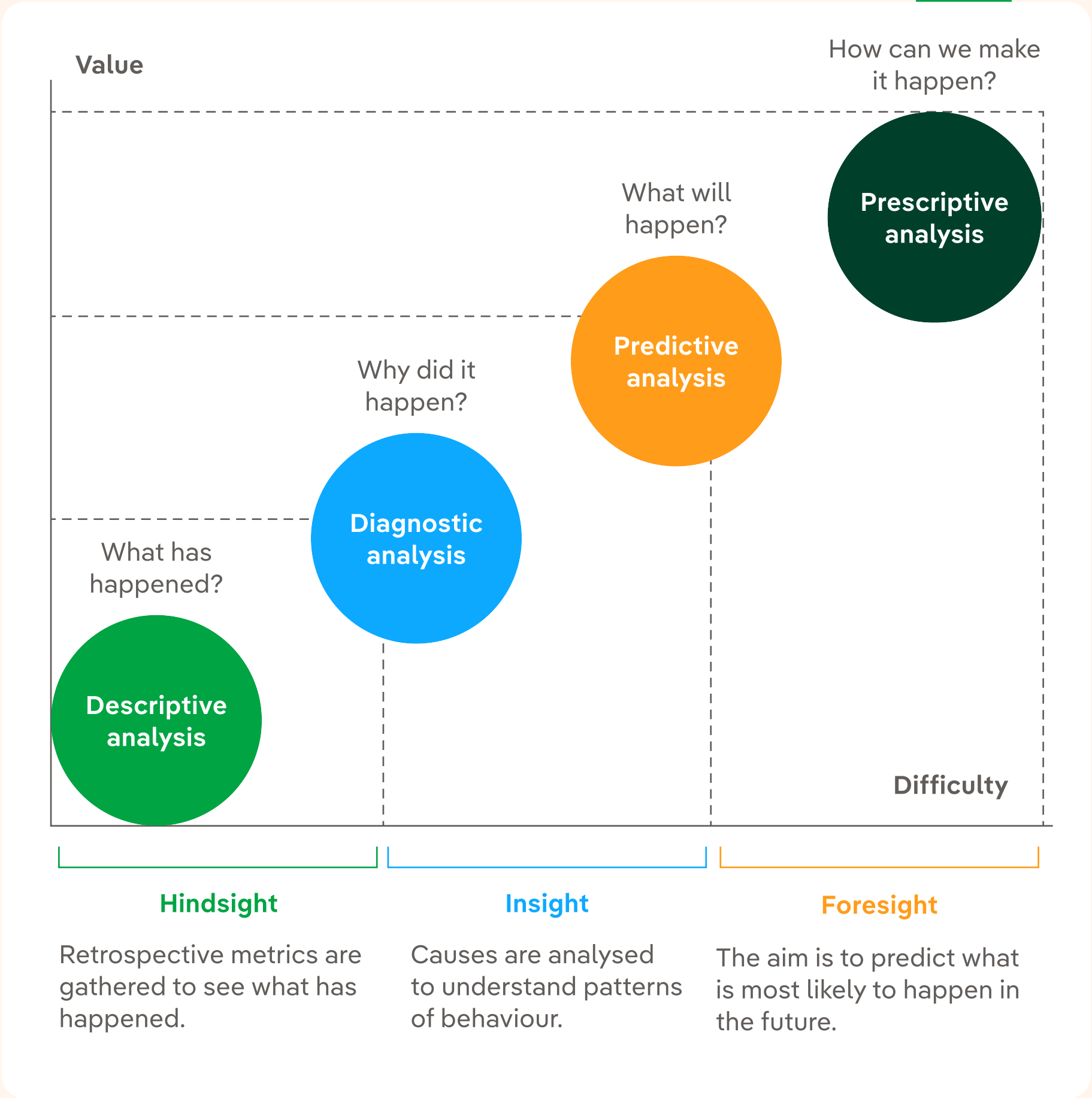# What are the different **types of analysis** and what are they for?

The greater the difficulty of an analysis, the greater the value of the information extracted.

Value

How can we make it happen?

Prescriptive analysis

What will happen?

Predictive analysis

Why did it happen?

Diagnostic analysis

What has happened?

Descriptive analysis

Difficulty

Hindsight

Retrospective metrics are gathered to see what has happened.

Insight

Causes are analysed to understand patterns of behaviour.

Foresight

The aim is to predict what is most likely to happen in the future.

Source: Gartner.