

# Lesson summary

## Module 1 Lesson 1: From Problem to Approach



**Congratulations! You have completed this lesson. At this point in the course, you know:**

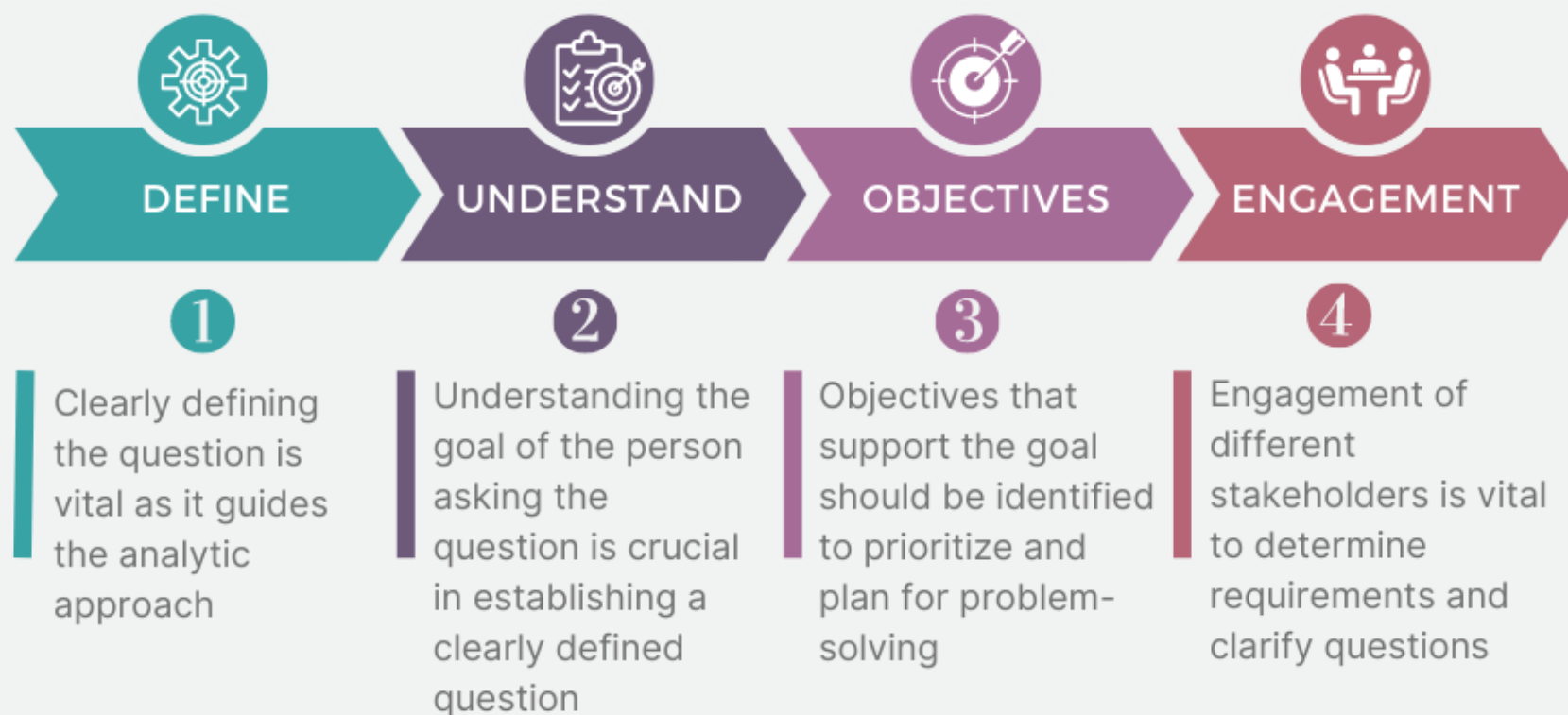
- Foundational methodology, a cyclical, iterative data science methodology developed by John Rollins, consists of 10 stages, starting with Business Understanding and ending with Feedback.
- CRISP-DM, an open source data methodology, combines several of the data-related methodology stages into one stage and omits the Feedback stage resulting in a six-stage data methodology.
- The primary goal of the Business Understanding stage is to understand the business problem and determine the data needed to answer the core business question.



# Business Understanding

## Understanding the Question

Data science methodology begins with seeking clarification and attaining a business understanding



**DATA SCIENCE METHODOLOGY**



**Skills**  
Network

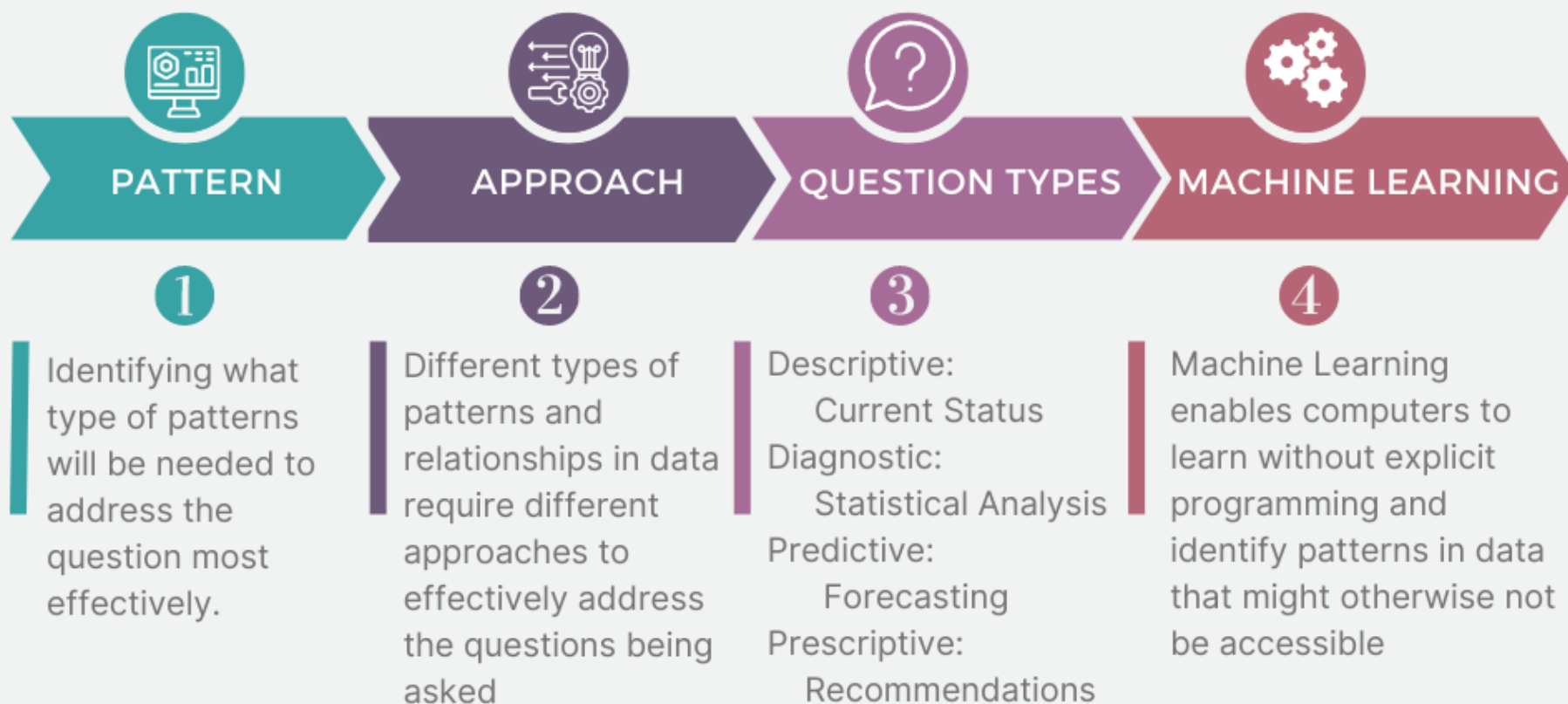
- During the Analytic Approach stage, you can choose from descriptive, diagnostic, predictive, and prescriptive analytic approaches, whether to use machine learning with clustering associations.



# Analytic Approach

## Determine Appropriate Approach

The second stage of the data science methodology involves selecting the analytic approach in the context of business requirements.



**DATA SCIENCE METHODOLOGY**



**Skills  
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- Decision tree classification is a predictive analytics approach that's easy for non-data scientists to implement

## Author(s)

[Dr. Pooja](#)

[Patsy R. Kravitz](#)

## Changelog

Date	Version	Changed by	Change Description
2023-08-09	0.1	Patsy R. Kravitz	Initial version created
2023-08-13	0.2	Dr. Pooja	Inforgraphic included

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