

## Data Science Series



### Data Science with MS Power BI

This Data Science Series, is designed to familiarise the attendees with the fundamental concepts needed for basic analytics and data understanding, as well as introducing the attendees to more advanced concepts used for model building. It instructs participants on how to navigate a dataset with MS Power BI and generate useful analytics that would aid in generating insights from the dataset.

This Series is available in Four, 3-hour Sessions.

#### Outline

**Session 1:** Analytical questions & business alignment & Essential concepts in analytics

**Session 2:** Descriptive analytics for continuous/categorical variables & Relationships between variables

**Session 3:** Clustering techniques & Multiple linear regression

**Session 4:** Classification and regression trees & Model building process

#### Prerequisite

None

#### Objectives

Using appropriate data, introduce delegates to:

- essential concepts in analytics which are the foundation of most statistical tests
- descriptive analytics and how to describe data
- quantifying relations between continuous and categorical variables
- building models to represent these relationships, with Python and R

#### Description

This course is designed to familiarise the attendees with the fundamental concepts needed for basic analytics and data understanding, as well as introducing the attendees to more advanced concepts used for model building. It instructs participants on how to navigate a dataset with MS Power BI and generate useful analytics that would aid in generating insights from the dataset.

#### Outcome

Delegates will leave the sessions with an excellent theoretical and practical understanding of Statistical Analysis and applying these in an operational and business context.

#### Program

##### Session 1:

1. Analytical questions & business alignment
2. Essential concepts in analytics

##### Session 2:

1. Descriptive analytics for continuous/categorical variables
2. Relationships between variables

##### Session 3:

1. Clustering techniques
2. Multiple linear regression

##### Session 4:

1. Classification and regression trees
2. Model building process

### Training Times

10:00 – 11:30 Lesson(s)

11:30 – 12:00 Break

12:00 - 13:30 Lesson(s)

(GMT+2)

### Series Cost

The full Series is available at a cost of R1400-00 (excl VAT) per person

For Bookings | Inquiries please contact [services@data-shack.co.za](mailto:services@data-shack.co.za)

### Platform

Webinar