Data Science Series

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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

09:00 – 10:30 Lesson(s)
10:30 – 11:00 Break
11:00 - 12:30 Lesson(s)