Information Security Data Analytics

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Program Outline:

• Introduction to Data-Driven Security

• Statistical Inference

• Analytics Toolbox

• Exploratory Analysis

• Model Building

• Data Visualization

**Intended Audience:**

Information security analysts interested in analytics related to system security information.

**Location:**

NCDOC Training Room

May 16 - 18, 2017

0900 to 1600

**Course Program:**

***Day 1***

0900 – 0930

Registration and Networking

0930 - 1020

Introduction to Data-Driven Security

1030 – 1120

Statistical Inference

1130 - 1300

Lunch

1300 - 1350

Statistical Inference (Cont)

1400 - 1450

Introduction to Data Analytics and Production Cycle

1500 - 1550

Introduction to Python for Data Analysis

***Day 2***

0900 – 0930

Arrival, Setup and Networking

0930 - 1020

Introduction to Python Analytic Tools

1030 – 1120

Analytics Process with Single Algorithm

1130 - 1300

Lunch

1300 - 1350

Analytics Process with Single Algorithm (Cont)

1400 - 1450

Classification Process with Multiple Algorithms

1500 - 1550

Classification Process with Multiple Algorithms (Cont)

***Day 3***

0900 – 0930

Arrival, Setup and Networking

0930 - 1120

Security Analytics Project with KDD Dataset