Internet of Things for Smart Industry

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Contents

Chapter 1

- Welcome

This is an accompanying book to the HAN Minor Smart Industry and covers the major topics regarding the Internet of Things (IoT) implementation in an industrial setting.

Chapter 2

Introduction to IoT

The IoT is the product of physical objects, controllers, sensors and actuators and the internet (McEwen and Cassimally, 2013). The first reference to the IoT was in 1982, when researchers at Carnegie Mellon University developed the world's first IoT-enabled Coke Machine. Mark Weiser developed the concept further in the early 90s; and Kevin Ashton coined the term 'Internet of Things' around 1999.

Chapter 3

IoT Capabilities

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Chapter 4

IoT Framework

We describe our methods in this chapter.

Chapter 5

IoT Markets

Some *significant* applications are demonstrated in this chapter.

5.1 Example one

5.2 Example two

Chapter 6

IoT Fundamentals

We have finished a nice book.

Chapter 7

Sensors

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Chapter 8

Data Communication

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Chapter 9

Cloud Platforms

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Chapter 10

Privacy

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Chapter 11

Security

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Chapter 12

Encryption

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Chapter 13

Data Analytics

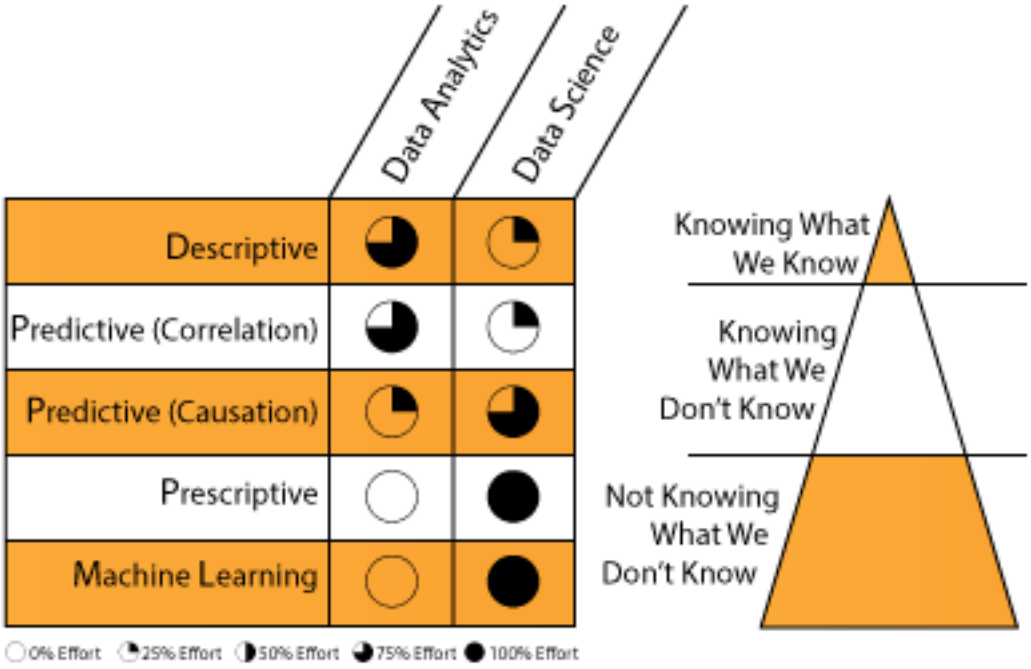

Figure 13.1: Fig.12.1 - Data Analytics versus Science

(J, 2013)

Chapter 14

Dashboards and Apps

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Chapter 15

Arduino Programming

We have finished a nice book.

Bibliography

J, D. (2013). Data Analytics vs Data Science: Two Separate, but Interconnected Disciplines.

McEwen, A. and Cassimally, H. (2013). *Designing the Internet of Things*. John Wiley & Sons. Google-Books-ID: iYkKAgAAQBAJ.