

OCR IT: Data Analytics Extended Certificate

Completing the following work will help you get an initial understanding of the content that you will be expected to both understand and implement either in a controlled assessment or an exam.

F200 Fundamentals of Big Data

1. What is the difference between data, information and knowledge?
2. We live in a data rich society which is only going to become more and more reliant on data. Can you research and describe 3 sources of data that provide us as a society with information?
3. Identify and describe three organisations and how information is vital to their daily operations.
4. How would you describe “Big data”?

F201 Big data and machine learning

1. Explain the 6 characteristics of big data. They are also known as the 6 V's.
 - a. Volume of data
 - b. Variety of data types
 - c. Velocity of streamed data
 - d. Value of data
 - e. Veracity of data
 - f. Variability of data inconsistencies