

Institute of Coding Skills Bootcamp

Interacting with Data

Location: Online **Cost:** Free

Contact Hours: One evening per week, 10 weeks

Synopsis:

In the Interacting with Data free micro-credential, you will gain the basic skills you need to work with data in real-world scenarios.

You will explore the wider legal, ethical and social implications of using data from a range of contexts (such as personal or business data).

By the end of the micro-credential, you will be able to apply basic statistics, formulas and techniques to uncover and present trends and patterns in data. You will also develop your understanding of how to best present your findings based on your audience.

Notes:

Open to beginners to data science, the course covers the fundamental applications of data in everyday business life.

Assessment:

Two short assignments: a 10-minute presentation and a 1,000 word report.

Syllabus:

Introduction to data; Data in the real world; Decision making with data: Intuition vs data driven; Introduction to visualisations; Visualising data for effective interaction; Visualising uncertainties; Basic statistics (probability and estimating relationships); Statistics; Data techniques and technologies; Social, legal, and ethical considerations when dealing with data