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statistics/home/welcome) course.

# Before we get started...





In this module we'll consider the basics of statistics. But before we start, we'll give you a broad sense of what the course is about and

**∨** More

(/learn/basic-Start Lesson Course introductionstatistics/lecture/qgSKG/welcometo-basic-statistics)



(/learn/basic-statistics/supplement/qjT7I/hi-there)

(**b**) Welcome to Basic Statistics! 4 min

(/learn/basic-statistics/lecture/qgSKG/welcome-to-basicstatistics)

(
B) How to navigate this course

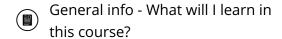
(/learn/basic-statistics/supplement/cGhEe/how-tonavigate-this-course)



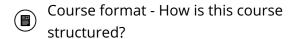
How to contribute

(/learn/basic-statistics/supplement/0jNHH/how-to-contribute)

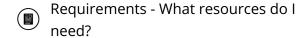
### What to expect from this course



(/learn/basic-statistics/supplement/8cpIU/general-infowhat-will-i-learn-in-this-course)



(/learn/basic-statistics/supplement/GaQ1k/course-format-how-is-this-course-structured)



(/learn/basic-statistics/supplement/p5QUG/requirements-what-resources-do-i-need)

Grading - How do I pass this course?

(/learn/basic-statistics/supplement/Hnpje/grading-how-do-i-pass-this-course)

Team - Who created this course?

(/learn/basic-statistics/supplement/DmyOU/team-who-created-this-course)

Honor Code - Integrity in this course

(/learn/basic-statistics/supplement/wRhQN/honor-code-integrity-in-this-course)

Useful literature and documents

(/learn/basic-statistics/supplement/v6RSe/usefulliterature-and-documents)

# **Exploring data**

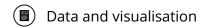




In this first module we'll introduce the hasic

**∨** More

Data and visualisation statistics/lecture/5zwn3/1-01-cases-variables-and-levels-of-measurement) (/learn/basic-



(/learn/basic-statistics/supplement/1fSO5/data-andvisualisation)

1.01 Cases, variables and levels of measurement 8 min

(/learn/basic-statistics/lecture/5zwn3/1-01-cases-variablesand-levels-of-measurement)

1.02 Data matrix and frequency table 6 min

(/learn/basic-statistics/lecture/QDC5q/1-02-data-matrix-and-frequency-table)

1.03 Graphs and shapes of distributions 7 min

(/learn/basic-statistics/lecture/fRD4T/1-03-graphs-and-shapes-of-distributions)

Measures of central tendency and dispersion

Measures of central tendency and dispersion

(/learn/basic-statistics/supplement/XtkR1/measures-of-central-tendency-and-dispersion)

1.04 Mode, median and mean 7 min

(/learn/basic-statistics/lecture/NoxIL/1-04-mode-median-and-mean)

1.05 Range, interquartile range and box plot 8 min

(/learn/basic-statistics/lecture/RbWIZ/1-05-range-interquartile-range-and-box-plot)



#### 1.06 Variance and standard deviation 5 min

(/learn/basic-statistics/lecture/MnnTu/1-06-variance-andstandard-deviation)

### Z-scores and example



(■) Z-scores and example

(/learn/basic-statistics/supplement/gPLd8/z-scores-andexample)



(►) 1.07 Z-scores 5 min

(/learn/basic-statistics/lecture/74uHE/1-07-z-scores)



1.08 Example 7 min

(/learn/basic-statistics/lecture/W9o9U/1-08-example)

#### Review



Transcripts - Exploring data

(/learn/basic-statistics/supplement/khIYW/transcriptsexploring-data)



Quiz: Exploring Data 11 questions

(/learn/basic-statistics/exam/Fo8BF/exploring-data)



About the R labs

(/learn/basic-statistics/supplement/pPavA/about-the-rlabs)



R lab - Getting started (part



(/learn/basic-statistics/ungradedLti/oVf5X/r-lab-gettingstarted-part-1)



R lab - Getting started (part

(/learn/basic-statistics/ungradedLti/TZLJb/r-lab-gettingstarted-part-2)



✓ R lab - Exploring data 1h 00m

(/learn/basic-statistics/gradedLti/IYk1K/r-lab-exploringdata)