

Self-directed learning activity BMDS7004-01

Asynchronous sessions 1-6

Introduction to statistics and data analytics module

The traditional statistics component: Devising what is “optimal” coverage in a basic statistics course is tricky because (i) there are many independent concepts to be aware of and (ii) it’s not easy to see how detailed one should go.

Our approach will be to introduce (or rather “reinforce”) some core concepts in the first synchronous session but in this first bit of self-directed learning give you an opportunity to get some early familiarisation with SPSS.

As a principal statistical toolset, SPSS is powerful. It is not our intention to cover it fully – that would take a whole course. We will, however, go on to use a LinkedIn Learning resource as a framework to be a bit more systematic over our limited time period.

1. Reading/preparation

Notes have already been posted on Moodle with regards to pre-installing licensed SPSS software and so that should be completed first of all. You should be sent download links with your licence.

Next get access to LinkedIn Learning – this is independent of LinkedIn. You therefore do not need to create a LinkedIn account in order to benefit from the LinkedIn Learning content.

Using the registration link below you may be asked to connect a LinkedIn account (if you have one) but you don’t have to. The registration link should be used with your UWTSD email address and password - this takes you through without needing to set up anything else.

If we need further support, the Digital Skills team (digitalskills@uwtsd.ac.uk) will be able to support us by running a session on LinkedIn Learning if its needed, just try first. Its pretty intuitive once you are in.

Further information on LinkedIn Learning can be found here:

<https://express.adobe.com/page/WX4khRqb9tJD1/>

UWTSD registration link: <https://lnkd.in/equPUue>

From WITHIN your LinkedIn account under UWTSD, head for:

<https://www.linkedin.com/learning/spss-statistics-essential-training-2>

This should give you access to the right resource.

===

Note - there is no need to start right at the beginning which is a bit dull but jump straight to <https://www.linkedin.com/learning/spss-statistics-essential-training-2/navigating-spss?>

2. Schedule of Tasks

The self-directed sessions should take you through this course.

It’s a 5h 49 min duration in total, the recommendation is you go through at your own pace to cover the online content of this course.

We do not expect you to go at the speaker's pace. A more reasonable schedule is:

Async Session 1 (2-3 hrs) Begin 2. Getting Started to end of 4. **Data Wrangling.**

Async Session 2 (2-3 hrs) Begin 5. Recoding Data to end of 6. **Exploring Data.**

Async Session 3 (2-3 hrs) Begin 7. Clustering and Classification to end of 8. **Analysing Data.**

Async Session 4 (2-3 hrs) Begin 9. Building Predictive Models to end of 10. **Sharing your Work.**

Async Session 5 (2-3 hrs) *Further information to follow on sessions 5-6*

Async Session 6 (2-3 hrs)

There is plenty of "breathing space" in the above schedule that will allow you to self-study the SPSS interface and options. Of course, feel free to use other resources included within LinkedIn Learning.

3. Questions for reflection

A question schedule in the form of short quizzes is embedded into the flow of the course. These questions will test your own knowledge, but scores are not relevant in module evaluation. This is meant to be a hands-on familiarisation course in conjunction with SPSS software.