

Unit Title: Statistics for Social Sciences
Level: Two
Credit Value: 6
GLH:
NOCN Unit Code: RB7/2/TE/007
QCA Unit Reference
Grading Descriptors: Not Applicable

This unit has 4 learning outcomes.

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	The learner can:
1. "Collect, tabulate and display data"	1.1. Demonstrate an awareness of how data is collected 1.2. Organise and tabulate data appropriately 1.3. Represent data using appropriate diagrams 1.4. Read and interpret tabular information and statistical diagrams of data
2. Calculate and use measures of average and dispersion	2.1. Calculate mean, median and mode for ungrouped data 2.2. Calculate estimates of mean, median and mode for grouped data 2.3. Plot cumulative frequency diagrams and find estimates of medians and quartiles 2.4. Draw box-plots 2.5. Interpret descriptively data represented by a box-plot 2.6. Calculate and interpret standard deviation for grouped and ungrouped data
3. Use appropriate methods to calculate simple probabilities	3.1. Use addition law to calculate probabilities 3.2. Use multiplication law to calculate probabilities from more than one event in both the dependent and independent cases
4. Understand trends and relationships in data	4.1. Plot scatter diagrams 4.2. Calculate the value of a correlation coefficient between two sets of data and demonstrate an awareness of its meaning 4.3. Draw a regression line 'by eye' and use it to estimate values 4.4. Plot a time series 4.5. Calculate and interpret Spearmans rank order correlation coefficient

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ASSESSMENT INFORMATION

Guidance:

This grid gives details of the assessment activities to be used with the unit attached. Please refer to the NOCN Handbook for definitions of each activity and the expectations for assessment practice and evidence for moderation.

The assessment activities for this unit are indicated in the table below:

Key: P = Prescribed – this assessment method *must* be used to assess the unit.
O = Optional – this assessment method *could* be used to assess the unit.

Case study		Project	
Written question & answer/test/exam		Role play/simulation	
Essay		Practical demonstration	
Report		Group discussion	
Oral question and answer		Performance/exhibition	
Written description		Production of artefact	
Reflective log / diary		Practice file	

Signposting Key Skills

This unit offers clear opportunities for learners to provide evidence of achievement in Key Skills achievement in the following skill area/s:

Key Skill		Wider Key Skill	
Communication		Working with others	
Information Technology		Problem solving	
Application of Number		Improving Own Learning and Performance	

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Accredited End date:
Unit Sector/Subject area:
Grading descriptors:
Availability for Use:

Purpose and Aim of the Unit	Free Text
Restrictions on the Availability	Free Text or N/A
Additional Assessment Requirements	Free Text or N/A
Details of relationship between the Unit and the NOS	Free Text or N/A
Details of relationship between the Unit and Standards (not NOS)	Free Text or N/A
Endorsement of the Unit by	Free Text or N/A