



Australian Government

FSKNUM27 Collect, organise and interpret statistical data for work

Release: 1

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Modification History

Release	Comments
Release 1	This streamlined version first released with <i>FSK Foundation Skills Training Package version 1.0</i> .

Application

This unit describes the skills and knowledge to collect, organise, illustrate, summarise and interpret a range of statistical data for work.

This unit applies to individuals who need numeracy skills at Australian Core Skills Framework (ACSF) level 4 to undertake a vocational training pathway or workplace tasks.

This unit is designed for integration and contextualisation with vocational units to support achievement of vocational competency.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Numeracy

Elements and Performance Criteria

Element	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to undertake a work related statistical investigation	1.1 Identify workplace issue requiring investigation 1.2 Determine audience 1.3 Identify data to be collected 1.4 Select a method to collect data
2. Undertake statistical investigation using discrete data	2.1 Collect and organise appropriate statistical data 2.2 Illustrate data in appropriate formats 2.3 Compare effectiveness of different types of graphs

Element	Performance Criteria
	2.4 Calculate the summary statistics for collected data 2.5 Interpret the results
3. Extract and interpret information from statistical investigation	3.1 Check that the data meets the expected results and content 3.2 Extract and interpret information from the results including tables, graphs and summary statistics 3.3 Use mathematical language and symbols to report results of investigation

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Technology		Uses a scientific calculator to calculate summary statistics and a spreadsheet to display data

Mapping Information

Not applicable

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=f572fe10-a855-4986-9295-3852c771f178>

Assessment Requirements for FSKNUM27 Collect, organise and interpret statistical data for work

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Performance Evidence

Evidence of the ability to:

- use one or two methods to collect data
- calculate summary statistics and interpreting results
- illustrate data using workplace appropriate methods
- interpret information in tables, and graphs.

Note: Where a specific volume and/or frequency is not specified, evidence must be provided at least once.

Knowledge Evidence

Evidence of the following knowledge must be demonstrated:

- methods of data collection
- difference between discrete and continuous data
- types of graphs.

Assessment Conditions

Assessment texts and tasks reflect those typically found in the workplace.

Individuals can access a range of established support resources.

Culturally appropriate processes and techniques suited to the language, literacy and numeracy capacity of individuals and the work being performed must be used.

Reasonable adjustments can be made to ensure equity in assessment for people with disabilities.

Assessors must satisfy NVR/AQTF assessor requirements, have a sound knowledge of the ACSF and have demonstrable expertise in the vocational contextualisation and assessment of the core skill - numeracy.

Links

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