



Australian Government

FSKNUM33 Collect, organise and analyse 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 and organise data, present the data graphically (including grouped data), calculate measures of central tendency and spread, and analyse the results.

This unit applies to individuals who need numeracy skills at Australian Core Skills Framework (ACSF) level 5 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 the use of statistics in the workplace 1.2 Identify statistical information in work related documents 1.3 Identify workplace issue requiring investigation 1.4 Identify data to be collected and process for collection
2. Undertake statistical investigation	2.1 Collect and organise appropriate statistical data 2.2 Display statistical data in appropriate formats for analysis

Element	Performance Criteria
	2.3 Calculate measures of central tendency and measures of spread
3. Analyse and evaluate statistical investigation	3.1 Analyse the results of statistical investigation 3.2 Use specialised statistical language and symbols to discuss, explain and report results of investigation 3.3 Extract, comprehend and analyse the statistical information 3.4 Evaluate and reflect on statistical investigation and results

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 scientific calculators and spreadsheets for analysis of 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 FSKNUM33 Collect, organise and analyse statistical data for work

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Performance Evidence

Evidence of the ability to:

- collect and organise workplace data
- display data
- calculate measures of central tendency and measures of spread
- analyse and identify trends
- extract and analyse statistical information in highly complex work related documents.

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:

- types of data and data collection methods
- types of graphs
- statistical measures and symbols.

Assessment Conditions

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

Individuals can access a broad range of 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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