Australian Government

PSPGEN064 Interrogate and analyse statistical data

Release: 1

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Modification History

Release	Comments
1	This unit was released in PSP Public Sector Training Package release 1.0 and meets the Standards for Training Packages.

This unit supersedes and is equivalent to PSPGOV523A Interrogate and analyse statistical data.

• Unit code updated
• Content and formatting updated to comply with new standards
• All PC transitioned from passive to active voice |

Application

This unit describes the skills required to apply techniques to analyse statistical data. It includes planning the analysis, applying statistical concepts and processes, determining strengths and weaknesses of the analysis and producing further statistics.

This unit applies to those working in generalist and specialist roles within the public sector.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would work independently seeking advice as required, performing complex tasks in a range of familiar contexts.

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

Competency Field

General

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.

1. **Plan analysis**	1.1 Choose analysis and descriptive tools and techniques appropriate to the nature of the information and the required outcome.
	1.2 Determine priority of data to be interrogated in consultation with suitably qualified people, and organise work.
	1.3 Reflect an understanding of the nature of the program or activity from which the data is obtained in the analysis of material.
	1.4 Reflect an understanding of the way in which the data is structured in the system in the analysis.
	1.5 Reflect the likely statistical indicators of the results in the analysis.
2. **Apply statistical concepts and processes**	2.1 Use software to retrieve data and present it in the required format.
	2.2 Perform quantitative or qualitative analyses to obtain required outcomes.
	2.3 Use analysis and descriptive tools and techniques appropriately given the nature of the information and the required outcomes.
	2.4 Express preliminary results in accordance with the required detail, format and timeframe of the project.
	2.5 Perform analysis.
3. **Determine strengths and weaknesses of analysis**	3.1 Identify sources of error and describe as required.
	3.2 Identify and describe limitations in the methodology as appropriate.
	3.3 Verify the conduct and results of analysis by a suitably qualified person.
4. **Produce further statistics**	4.1 Calculate summary statistics from the given dataset as required.

Foundation Skills

Foundation skills are embedded within the elements and performance criteria of this unit.

Unit Mapping Information

This unit supersedes and is equivalent to PSPGOV523A Interrogate and analyse statistical data.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=bebbece7-ff48-4d2c-8876-405679019623

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SkillsIQ