Specification of Competency Standards
for the Information & Communications Technology Industry
Unit of Competency

Functional Area - Data Science

Title	Appraise the various data visualisation tools and select the appropriate tools according to user requirements
Code	111149L6
Range	Appraise different data visualisation tools in the existing market and select the appropriate data visualisation tools to grasp difficult concepts or identify new patterns interactively
Level	6
Credit	3 （For Reference Only）

Competency	Performance Requirements
	1. Have knowledge of various data visualisation and various visualisation tools in the existing market
	
	• Be able to:
	   o have knowledge of data visualisation and various visualisation tools (See Remark 1) in the existing market
	
	2. Appraise the data visualisation tools in existing market to the business needs
	
	• Be able to:
	   o appraise the data visualisation tools in the existing market to the data requirements for the business needs
	
	3. Select and use the right data visualisation tools
	
	• Be able to:
	   o select the right data visualisation tools to provide an accessible way to see and understand trends, outliers, and patterns in business data
	   o use the visualisation tools to create visual representations of large data sets based on various factors such as the usage, user habits and user expectations
	
	4. Develop the automated process of creating visual representations
	
	• Be able to
	   o develop the automated process of creating visual representation for key analytics results
	
	5. Evaluate the visual representation with the targeted visualization tools
	
	• Be able to
	   o evaluate the visual representation with the targeted visualization tools with the various requirements (See Remark 5)

Assessment Criteria	The integrated outcome requirement of this UoC are the abilities to: • have knowledge of data visualisation and the factors of selecting the right data visualisation tools • use the identified data visualisation tools to provide an accessible way to see and understand trends, outliers, and patterns in business data
Remark	1. Different visualisation tools in existing market include (but not limited to) Tableau, Infogram, Looker, Zoho Analytics, Sisense, IBM Cognos Analytics, Microsoft Power BI, SAP Analytics Cloud,