

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

Functional Area - Design, Development & Maintenance

Title	Develop data analysis programmes in enterprise intelligence systems
Code	111156L5
Range	This UoC involves developing programmes to assist data analysis in individual intelligence system. This covers all kinds of data analysis programmes.
Level	5
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge in Regulatory Requirements</p> <ul style="list-style-type: none"> • Be able to <ul style="list-style-type: none"> ○ have an in-depth understanding of the latest regulations (e.g. Basel), particularly concerning data governance and compliance; ○ assess the impact of any new regulations, identify the potential areas of concerns, and mitigate risks. <p>2. Knowledge in the Subject Area</p> <ul style="list-style-type: none"> • Be able to <ul style="list-style-type: none"> ○ have an in-depth understanding of the concepts and methodologies of collecting views from key stakeholders and liaise with product development and sales team to analyse types of data application required by different users; ○ possess comprehensive knowledge of the key components of an effective data analysis programmes (e.g. sources of data, data screening approaches, data clustering, data analysis methodologies, etc.) and based on that to develop the programmes. <p>3. Applications</p> <ul style="list-style-type: none"> • Be able to <ul style="list-style-type: none"> ○ Develop coding to automate calculation of necessary statistical analysis in intelligence system; ○ Cooperate with user to identify features to be included in the report so as to facilitate application of the results to different functions of the bank; ○ Design output format which can cater to the different needs and purposes of users. <p>4. Professional Behaviour and Attitude</p> <ul style="list-style-type: none"> • Be able to <ul style="list-style-type: none"> ○ Design data analysis programmes in consideration of artificial intelligence (AI) and machine learning element; ○ Cooperate with analysts to develop or identify suitable analysis models and maintain model reliability by periodic fine-tuning; ○ Cooperate with different users to review application of the system to ensure effectiveness and user-friendliness of the function.
Assessment Criteria	The integral outcome requirement of this UoC is the ability to develop data analysis programmes by identifying different features for data analysis and reporting them to facilitate the analysis and application of stored data. The measures should be based on analysis on users' requirements.
Remark	

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