



Subsector: Enterprise

Job Family: Information Technology

Impact Level

Today, this role is responsible for designing and constructing new processes for data modeling and production using prototypes, algorithms, predictive models, and custom analysis.

Medium Impact

Consolidated Activities

	Today	Future
Data Collection	Data collation and integration of structured datasets that are high volume and time consuming in nature. RPA and AI are gradually being leveraged to consolidate data from primary and secondary sources.	While AI-tools can be leveraged to address and adjust data issues – such as errors and irregularities – the process of converting raw information into data that can be easily understood remains human centric.
Model Development and Project Management	Task requires in depth technical knowledge and expertise to create models that aid the job holder in achieving business objectives.	Advanced Analytics and AI could help to organise complex structured and unstructured data sets. The creation of models will continue to require human intervention – mainly to translate business needs into algorithms, and to interpret analysis outcomes for further actions.
Insights and Findings Presentation	Task requires human judgment and understanding of organisation needs and objectives to help provide relevant information to the business.	Data visualisation tools will continue to be leveraged to present findings in an easy-to-understand manner and to work with various business units to incorporate the insights into business decisions.

In the next

3-5 years ...

This role will evolve to combine increased business knowledge with technical and machine learning capabilities, leading to enhanced data visualization capabilities. As organisations have access to more data analytics, this role will collaborate more with various business units to derive models and solutions for the organisation.

Skills Differentiators:

- ▶ **Data Engineering:** The job holder will possess strong understanding of the full data pipeline and be able to identify opportunities for optimisation and enhanced analysis.
- ▶ **Business and Financial Acumen:** The job holder will possess commercial awareness to work effectively with business units, gain understanding of business needs, and leverage data to help them build targeted solutions.
- ▶ **Advisory:** The job holder will display the ability to apply the right advisory strategy to engage with stakeholders in different situations and provide advice that leverages on deeper business acumen infused with quantitative and technical insights to the business.
- ▶ **Stakeholder Engagement:** The job holder will be highly skilled to liaise with various stakeholders across the organisation, effectively eliciting stakeholders' views on areas of priorities and developing alignment across.
- ▶ **Data Storytelling:** With more information gathered and analysed, the job holder will possess skills to effectively convey messages and findings to different audiences – ensuring that critical messages are communicated accordingly.

