

SKILLS FRAMEWORK FOR FINANCIAL SERVICES		
SKILLS MAP - RISK ANALYTICS MANAGER/COMPLIANCE ANALYTICS MANAGER		
Sector	Financial Services	
Track	Risk, Compliance and Legal	
Occupation	Risk and Compliance Analytics Officer	
Job Role	Risk Analytics Manager/Compliance Analytics Manager	
Job Role Description	<p>The Risk Analytics Manager/Compliance Analytics Manager is responsible for leading the research, development and implementation of quantitative models and data analytics approaches to address various issues for the organisation's internal stakeholders across risk and compliance functions. He/She ensures business requirements are appropriately met through proper identification and user testing. He guides others in the usage of quantitative models and data analytics to obtain business insights and understand patterns, and ensures these are communicated in easily understandable forms.</p> <p>The Risk Analytics Manager/Compliance Analytics Manager is well-versed with various data analytics and modelling approaches to support risk and compliance decision making. He is strongly oriented towards analytical skills and knowledge of models, has keen business acumen and strong communication skills. He is able to manage projects, possesses strong judgement, and is able to draw insights from various perspectives.</p>	
Critical Work Functions and Key Tasks	Critical Work Functions	
	Key Tasks	
	Develop and manage data models for risk and compliance	Interpret business requirements for data models and quantitative analytics in risk and compliance to align with quantitative approaches
		Develop and maintain quantitative models for risk and compliance, and oversee the build, test and quality assurance phases
		Conduct periodic reviews on and implement refinements to data models and algorithms for post-testing development
		Oversee and guide the validation of and user acceptance testing (UAT) performed for models and/or analytics solutions
		Develop and maintain user requirements, parameters and configurations for risk and compliance quantitative models
		Develop pricing and valuation models based on risk frameworks
	Support the implementation and use of risk and compliance models and/or data analytics	Implement and monitor model risk management activities in accordance with defined procedures
		Implement deployment and integration of models and/or analytics solutions into systems infrastructure
		Address non-routine or complex queries from risk and compliance professionals on data interpretation and analysis approaches
		Conduct training on the use of risk and compliance models and data analytic tools
		Monitor success measures for the implementation and use of data models and algorithms
		Train team members on data interpretation and analysis techniques for risk and compliance
		Validate data sets to facilitate data analysis for risk and compliance teams
		Document and provide references for analytical methodologies, algorithms, procedures and models
Develop standard project management procedures for the development and implementation of data models and/or data analytics		
Supervise risk and/or compliance data analytics and model usage	Identify required data sets for analysis and data mining activities	
	Develop insights from preliminary data analysis based on identified rules, parameters and criteria	
	Identify and evaluate appropriate ways to implement automation in manual data analysis and monitoring systems	
	Communicate findings of data analysis in non-technical forms to facilitate the readers' understanding	
	Evaluate and communicate proposed recommendations to business units based on analysis and knowledge of risk and compliance principles	
	Implement model governance and ensure compliance to ethical data use and responsible data use principles	
	Conduct periodic reviews on data samples for quality, completeness, accuracy and integrity	
	Identify and articulate business and use cases for solutions on risk issues to achieve senior management buy-in	
Manage the documentation and reporting of risk and compliance data analytics	Develop ad-hoc and regular summary reports and reporting dashboards to meet stakeholder needs	
	Review reports for trend analysis, baseline benchmarking and modelling outputs	
	Interpret and communicate findings of data modelling, monitoring and analysis	

	Oversee the execution of risk and compliance solutions based on identified risk and compliance analytics requirements		Provide reporting of regulatory compliance and/or baselines of client behaviours	
Skills and Competencies	Technical Skills and Competencies		Generic Skills and Competencies (Top 5)	
	Business Requirements Mapping	Level 4	Computational Thinking	Advanced
	Business Risk Assessment	Level 4	Transdisciplinary Thinking	Advanced
	Data Analytics and Computational Modelling	Level 4	Problem Solving	Intermediate
	Data Collection and Analysis	Level 4	Communication	Intermediate
	Data Mining and Modelling	Level 4	Service Orientation	Intermediate
	Data Storytelling and Visualisation	Level 3		
	Ethical Culture	Level 4		
	People Performance Management	Level 4		
	Project Management	Level 4		
	Risk Analytics	Level 4		
	Risk and Compliance Reporting	Level 4		
	Software Configuration	Level 4		
	Stakeholder Management	Level 4		
	Strategy Planning	Level 4		
Technology Application	Level 3			
Programme Listing	For a list of Training Programmes available for the Financial Services sector, please visit: www.skillsfuture.sg/skills-framework/financial-services			

The information contained in this document serves as a guide.