

IT-Data Scientist Career Ladder Matrix

	Data Scientist Family		
Job Title	Data Scientist, Associate	Data Scientist	Senior Data Scientist
Job Code	MC0076	MC0077	MC0075
Pay Grade	74	75	76
Position Summary	This role is responsible for modeling complex clinical and research problems, discovering insights and identifying opportunities through the use of statistical, algorithmic, mining and visualization techniques. This role is also proficient at integrating and preparing large varied datasets, designing specialized database and computing environments, and presenting results.	This role is responsible for modeling complex clinical and research problems, discovering insights and identifying opportunities through the use of statistical, algorithmic, mining and visualization techniques. This role is also proficient at integrating and preparing large varied datasets, designing specialized database and computing environments, and presenting results.	This role is responsible for modeling complex clinical and research problems, discovering insights and identifying opportunities through the use of statistical, algorithmic, mining and visualization techniques. This role is also proficient at integrating and preparing large varied datasets, designing specialized database and computing environments, and presenting results.
Essential Functions /Scope	<ul style="list-style-type: none"> *Assist with and co-deliver information systems solutions in alignment with the Medical School's strategic and tactical business plan *Incorporate technology tools where appropriate *Aid with design experiments, test hypotheses, and build models *Perform data analysis and moderately complex design algorithms *Work with team members to solve client analytic problems and document results/methodologies *Assist and perform experimental design approaches to validate finding or test hypotheses *Validate/verify analysis by comparing appropriate samples 	<ul style="list-style-type: none"> *Envision and deliver information systems solutions in alignment with the Medical School's strategic and tactical business plans *Identify efficient tools for business and clinical application design and development. Incorporate technology tools where appropriate *Design experiments, test hypotheses, and build models *Perform data analysis and moderately complex design algorithms *Work with stakeholders to identify requirements *Collaborate with subject matter experts to select the relevant sources of information *Work with team members to solve client analytic problems and document results/methodologies *Validate/verify analysis by comparing appropriate samples *Use appropriate algorithms to discover patterns in complex datasets 	<ul style="list-style-type: none"> *Participate in the oral presentation of all projects finding abstracts including participating in periodic project status meetings and presentation of final project deliverables *Prepare informational/educational materials for users and train clinical researchers in the use of analytical datasets *Conduct advanced data analysis and complex design algorithms *Work with IT teams to support data collection, integration, and retention requirements based on requirements *Make strategic recommendations on data collection, integration and retention requirements incorporating knowledge of best practices *Develop innovative and effective approaches to solve analytical problems and communicate results and methodologies *Identify/create appropriate algorithms to discover patterns in complex datasets
Required Qualifications	<p>Master's degree in Data Science, Informatics, a related field, or equivalent experience</p> <p>1 to 3 years of experience in development and implementation of technologies</p>	<p>Master's degree in Data Science, Informatics, a related field, or equivalent experience</p> <p>3 to 5 years of experience in development and implementation of technologies</p>	<p>Master's degree in Computer and/or Data Science, Informatics, a related field, or equivalent experience</p> <p>5 to 7 years of experience in development and implementation of technologies preferably for an academic research organization</p>
FLSA Status	Exempt	Exempt	Exempt
Promotional Process	Requisition	Requisition or In-family Promotion	Requisition or In-family Promotion