

Technology & Engineering - Analytics

Joining as a graduate, you'll follow a structured programme working with a range of clients and technologies. Highly diverse, this work will span the delivery lifecycle, from initially shaping a project through its design to technical delivery. During the programme, you'll also benefit from a number of training modules designed to hone your productivity and technical skills. Our clients expect us to keep abreast of developments across the data and analytics landscape, so we need our people to have a desire to translate cutting-edge techniques and technologies into our project outputs.

As you progress, your Performance Manager will work with you to identify your goals and tailor any additional training you might need. We'll provide plenty of support and a blend of development opportunities to help you achieve your potential – including client work and the chance to gain technical qualifications.

What to expect

You will add value to our clients and business from day one. No two projects will be the same, so you'll need the flexibility to work across different technology roles with a diverse range of people and clients. You could find yourself working in one of the following teams:

Data Science and Engineering

Developing technology solutions for a broad range of clients, Solutions & Digital services the broader firm through delivery of core technology and managed services capabilities, collaboration and innovation development services and building our Alliances network. Working on using data and technology to generate insight for our clients. Such projects can range from using more traditional analytics techniques with the help of tools such as Qlik, PowerBI, SQL and Alteryx, to using more advanced machine learning techniques using Python and R to train computers on how to use complex data sets from a wide variety of sources to enhance, accelerate, automate, and augment decision making. Examples include identifying root causes of IT failures by using novel machine learning techniques; comprehensive predictive models to improve forecasting; helping hospitals drive operational inefficiencies; identifying dubious trading behaviours; or using Natural Language Processing capabilities to digest a vast number of contracts to help identify any compliance issues e.g. with their payment policy, specific regulation or other business objectives. Our analytics and information management capability also enables organisations to move up from merely delivering efficient information (a technology-centric tactical approach) to a more strategic approach that extracts value from financial and operational information to aid better business decisions.

Data and Analytics

The KPMG Data Analytics team is client facing and delivers solutions in a variety of areas of data management, analysis and modelling. You will quickly develop expertise in a range of technologies and techniques, and use these to provide value-adding insight from our clients' data assets. You will also be involved in developing data-driven technology assets in a variety of platforms that are both on premise and cloud. We split our work across four main areas of focus: Data Consulting, Business Intelligence, Modelling and Advanced Analytics. You will have the opportunity to work across all areas of our team, giving you experience across many varied and exciting projects, and allowing you to specialise as you progress in your career. You will develop competence in a broad range of technologies and frameworks for managing all aspects of the data lifecycle. Working in project teams you will develop data analytics solutions for clients, and data-driven technology assets. You will also use data analytics tools and techniques to identify patterns, extract outliers, and perform analyses to address client problems. You will learn to utilise tools including SQL Server, Power BI, Tableau, R, Alteryx, VBA and Excel, employing numerous techniques such as Data Mining, Machine Learning, Financial Forecasting and Location Analytics.

Data and Analytics – Tax Technology & Innovation (Glasgow office only)

Across our Data, Analytics and Automation teams, we use cutting-edge technology to answer important questions, solve problems, automate processes and generate insight for our clients. We work with all service lines across Tax & Legal and offer our expertise directly to clients, working with some of the best-known brands in the world. We excel at data transformation, analytics, visualisation, robotic process automation and business process automation, and much more.

We adopt a cloud-first strategy and make extensive use of the tools and technologies available in Microsoft's Azure ecosystem, and Power Platform, as well as Alteryx and SQL. We also apply machine learning techniques to enhance and automate decision making, with the aim of making our Tax & Legal business data-driven and prepared to meet our clients' needs for years to come.

You will work with all of these tools as well as a range of other bespoke Data and Automation platforms available within the firm, providing you with access to a suite of open source data science and engineering tools. It is an amazing opportunity to apply cutting edge technology, to real-world problems and transform an entire industry.

Why Analytics

As one of the fastest growing areas of KPMG, it's a great place to develop your modelling skills, business understanding, consultancy skills and career. The breadth of our work, expertise and clients means there's always the chance to learn new things. We'll also provide a supportive network for you to maximise every opportunity that comes your way. We provide many opportunities for personal learning, development and career progression, where colleagues at all levels have access to formal and informal training courses and merit based progression. As you continue to develop and build on your experiences, you will be able to take on more responsibilities, to help shape and grow our teams into the future. You will be encouraged to take an active role in your own development and to help innovate new solutions and areas of work. You may also have the opportunity to study for an industry accredited qualification focusing on key technology specialisms that will help you through your graduate programme and into your future career.

FAQs

Is there much travel involved in the role?

Dependent upon the office you join, you may be allocated to a specific industry sector or across a variety of industries and/or clients/projects. Some travel will be required for work but this will be balanced alongside our hybrid working model.

For the Intensive Programme, you will be expected to reside in the training location of the programme you have joined for the first circa 10 months, regardless of your home office location.

For all other programmes, you will be allocated a training centre near your home office which you will be expected to travel to for some courses and/or exams. However, a lot of the programme will be completed via Online Classroom Live.

How important are my skills in technology-based systems?

In this evolving environment, the use of technology and 'big data' is ever more present. It is not a thing of the future, but woven across all areas within the professional services firms of today. While KPMG does not expect all trainees to be experts in technology, a working knowledge of software programmes, like Excel, is useful, as you will be using these on a daily basis in varying degrees depending on the area you join.

Will I work with other teams?

Absolutely, this very much part of being an employee at KPMG. The programme is part of a much wider function within KPMG and you will likely collaborate with a range of teams across KPMG and/or your function. You may also get the opportunity to work on projects in other teams where you can utilise the skills you have developed or gained through training, which will also help you become a more rounded individual and increase your internal and external networks.

What happens after I finish my Graduate Programme?

You'll be supported to progress and have a varied career, as you build specialist skills and broad knowledge of your capability.

Contact us

T **+44 (0) 800 328 5764**

E graduate@kpmg.co.uk

www.kpmg.com

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