KPMG

Analytics Graduate Programme

Business Area	Technology & Engineering – Analytics
Length of programme	3 years
Qualifications you'll work for	ACA (or CA in Scotland)
Location	London & various Regional offices. Please search the website for latest location availability
Entry requirements	As a general rule, you'll be expected to meet the following requirements: – Minimum grade B GCSE(*) Maths – Minimum grade B GCSE(*) English Language – Minimum of 300 UCAS tariff points(*) – Minimum 2:1 degree or above in any discipline Note: (*) Or equivalent

Please note, we only consider a candidate's 'top' 3 A Level grades and do not accept General Studies.

At KPMG, we look at more than just your academic results. We will review your application, together with your performance in our assessments, to ensure that you have the best opportunity to demonstrate your potential. We will be considering your strengths and achievements against KPMG's capabilities alongside a number of other metrics, including technical background and/or experience, to ensure that you have the skills to succeed at KPMG.

Technology underpins many of the most influential organisations in the world. It enables the biggest business decisions and connects people around the globe. Data is the common thread that connects technology and business people together, and Analytics is the method by which data is transformed into insights that help businesses take action and generate enhanced value.

Our Analytics teams use advanced data analysis technologies and techniques to help our clients answer business questions and address commercial issues. We combine data analytics, modelling, business intelligence, advanced analytics and data science skills to help our clients.

Our 3 year Analytics graduate programme is designed to offer the client exposure and support you need to secure a successful career in analytics. You will develop technical skills, commercial acumen, core consulting skills and a flair for business.

In depth

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.

Who we are looking for

People who excel within the Analytics graduate programme are passionate about continually adapting their skills and knowledge to find solutions that meet our clients' needs.

They are intellectuality curious and interested in telling stories with data. We also ask for a keen interest in technology and business issues, as well as good communication skills and the desire to take on early responsibility.

Whilst you don't necessarily need to be a technical guru, we are looking for individuals who have a desire to get involved in a variety of projects, are good problem solvers, build knowledge quickly and are comfortable developing their technical skills through on the job and formal training.

Most importantly, you'll have an appetite to learn about how the application of Analytics can best support our clients.

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:

Solutions & Digital – Data and Analytics

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.

National Markets – Data and Analytics

The National Markets 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: Modelling, Data Consulting, Business Intelligence 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.

Forensic Technology Services

Forensic Technology supports clients and their legal advisors in response to litigation, civil disputes, investigations, regulatory, and Merger & Acquisitions matters. Forensic Technology assist their clients through the preservation, collection, processing, reporting, and analysis of electronically stored information (ESI) such as emails, chat messages, and documents. The projects are often time critical and include global clients with footprints around the world, providing opportunities to work with other overseas offices including on site attendance. Many projects have a significant impact on our clients' businesses and communities, with matters occasionally featuring in international headlines. Forensic Technology Services includes Forensic Data Analytics and F-Tech.

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.

Please see below for case studies.

Name: Jack
Business Area: Analytics – Solutions & Digital
Based: London

The recruitment process

The process for me was fairly simple. I began my application in October 2016, completing the online tests and audio submission. Finally, I was asked to attend the first ever Launch Pad event in March 2017, which consisted of a group assessment, written assessment and an interview. I was given my offer within two working days.

Why KPMG?

When applying for jobs in my last year of University I still wasn't sure what I wanted to do and had little experience outside of academia, so I applied to a lot of places across a wide range of jobs. The idea of a flexible career path, and KPMG's friendly environment ultimately swayed my decision in favour of KPMG.

Day-to-day

As a data scientist at KPMG, there is no real 'average' day. I work with all kinds of clients and data and activities can range from:

- Value the assets/businesses they are buying or selling.
- Identify commercial issues that are critical to the success of a transaction.
- Engage with buyers and tailor the marketing of the business to their needs.
- Studying: Researching on current and new data science techniques
  I also had the opportunity to partake in the KPMG Global Hackathon (and the UK team won) - We built a scalable, mobile application that recommend to paramedics the best hospital to take a patient to, based on: patient acuity, real-time traffic information and Emergency Department congestion. For stroke patients, the technology reduced travel time by 7 minutes and recommended more appropriate hospitals compared to 'normal practice'.

My advice

Join with the mind-set to enjoy your work, and learn as much as possible.

Working with clients

I have a technical role in a technical team, but we are a consultancy business and you need to feel open and comfortable working with clients. When it comes to data science, being able to work closely with clients in a business that know the data the best is invaluable.

Social life

Working at KPMG allows you to have a social life. KPMG also has a great graduate network, as well as many societies. For example, I joined the Mountaineering Society which has included a trip to Fontainebleau.

Further career opportunities at KPMG
There is a clear pathway to lead technical projects within the team, which I am really excited about!

Name: Rebecca
Business Area: Analytics – National Markets – Data & Analytics
Based: Birmingham

The recruitment process
My recruitment process was engaging and I felt supported at every stage. After passing the online tests and audio submission, I was invited to attend a Launch Pad event in which I did a group assessment, a written exercise and a final interview. It was a great opportunity to get a first glimpse into the company, and I even had my interview with one of the senior managers in the team I was due to join.

Why KPMG?
During my time at Warwick University, I attended several networking events, and the graduates from KPMG were always the most enthusiastic about their careers; always speaking about the great team support and culture in the firm, and how every day is different due to the wide variety of client projects.

Qualifications and support
I am currently completing a professional qualification, have done several online courses in Pluralsight and DataCamp, and our team previously had Microsoft come in to KPMG to run specialised training. On top of all of this, my team runs regular in-house training, which I am now helping to deliver for our new graduates.

Day-to-day
There are no 'average' days in the Data and Analytics team. Your daily activities will vary greatly depending on the type of project you are working on. Whether you're on client site or working at the office, these could include:
- Data visualisation: You could be preparing dashboards based on client's data in order to extract and present insights that help the client make the right decisions.
- Analytics: Your day to day could include training models to make sales predictions or sifting through huge amounts of data to identify a fraud. Lately I've been doing a lot of really interesting work surrounding location analytics and machine learning.
- Sales presentations: You could be involved very early in your career in preparing and delivering sales pitches and presentations for clients.
- Training: Improving your data analytics skills in SQL, training models in R or improving your visualisation skills in Tableau or PowerBI.

There are also several opportunities to network and do extra-curricular activities. I have participated in a number of recruitment events, either by facilitating a Launch Pad event or attending university networking events to speak about our team and the work we do.

My Advice
Come prepared to learn at a very fast pace and have fun while doing it!

Working with clients
You could be in contact with clients as early as week one. There are many opportunities to be on client site or be liaising with clients, from the project set-up to the final delivery.

Social life
My team organises great social activities. We try to do socials at least every month, which has included go karting, laser tag, axe throwing, and escape rooms. There are also several societies if you want to try a new sport or learn to climb mountains!

Further career opportunities at KPMG
Being halfway through my graduate programme, I can see how my career will progress to assistant manager and then manager. KPMG is very supportive of my progression, and my Performance Manager helps me identify opportunities to reach my goals.

FAQs

Will I work with other teams?

Absolutely. The programme is part of a much wider function within KPMG. Working with teams across KPMG to deliver truly bespoke solutions, you'll gain a broader understanding of the role that our clients' technology functions play within their business.

What type of clients might I work with?

Our clients tend to include organisations that are undergoing rapid growth, experiencing technology issues or using large, complex information systems. Sometimes they'll be implementing emergent technologies, or may be looking to refresh their technology to better compete in a rapidly evolving marketplace.

Our National Markets business serves UK listed businesses, private companies and public sector organisations primarily based in the UK, and we are seeing significant growth in our work across this sector.

Will I get the opportunity to work in different business areas of the wider KPMG UK firm?

As a professional services firm, KPMG support their clients in a variety of different ways and as you develop skills on your graduate programme, you will often find yourself working on projects with colleagues from other areas of the firm. This will help you become a more rounded individual and also increase your internal and external networks

Is there much travel involved in the role?

We work where our clients need us to be, so depending on the project that could be at their client site or in our own offices. That means there will be travel involved in the role but it is difficult to say how much, so be adaptable and prepared to change your routine.

How are projects organised?

We assemble teams with appropriate skills at bid stage or select them to meet specific client requirements for ongoing projects. The teams are led by an engagement manager and partner, who allocate work and the time spent.

What happens after I finish the Graduate Programme?

Our three year Graduate Programme is just the start. It will give you a strong foundation, great client experience, professional training and core consulting skills. Given our amazing growth, there are opportunities to progress a really varied career in Technology as you build specialist skills and knowledge in your field of interest. Throughout your career you'll be offered ongoing support and opportunities to develop your expertise, both on challenging client projects and through training.

Contact us

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