

Data visualisations – Service definition



Data visualisation is the graphical representation of information and data. By using visual elements like charts, graphs, and maps, data visualisation tools provide an accessible way to see and understand trends, outliers, and patterns in data. Our data visualisation service empowers story-telling and decision-making by highlighting underlying trends in your data and presenting meaningful insights as consumable and engaging interactive content. Our team has extensive experience in user research and user-centred design to understand how best to support the information needs of your users with analytics, reports and dashboards.

Create a central knowledge base and save on costs and time by sharing visuals of your data with the appropriate people in and outside of your organisation.

Whether you're presenting data to internal stakeholders, analysing it to aid decision-making, or even communicating data to your customers — what's important is presenting it in a manner that's easy to digest and understand. This is where data visualisation and data storytelling come into the picture.

AI dramatically enhances data visualisation by automating analysis, generating insights, and creating smarter, more interactive visuals.

Features

- Combines data expertise with interface design and user experience
- Data focussed workshops to understand user needs
- Evaluation of data availability and quality
- Data cleaning, manipulation and aggregation
- Interactive dashboards, maps and reports
- Infographics and visualisations built on user experience (UX) best practice design
- Accessible formats published to the web
- Automatically generate visualisations with the use of the AI component and explain insights in Natural Language

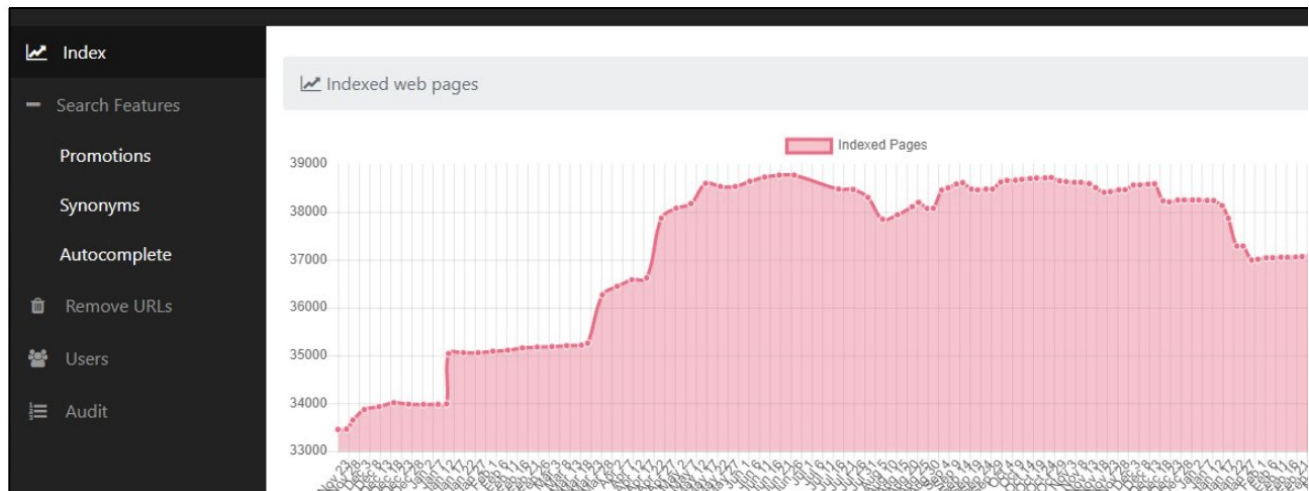
Benefits

- Communicate complex ideas effectively
- Automate data processing for consistent reporting
- Explore patterns and anomalies for fresh insights
- Improve evidence-based decision making
- Identify and forecast trends before they happen
- Make data available across your entire organisation
- The AI component makes data accessible to non-data experts

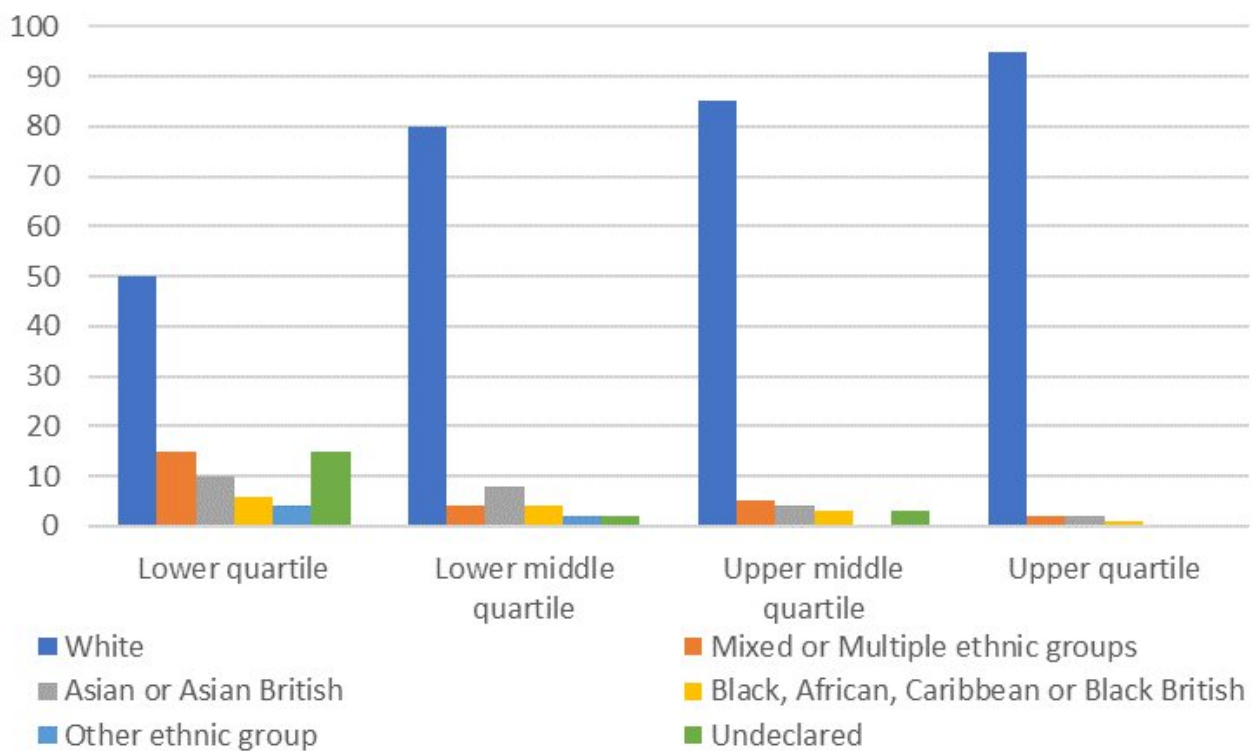
Examples of Data Visualisation in action

Below there are some example screenshots of of Data Visualisation that have been employed in various projects.

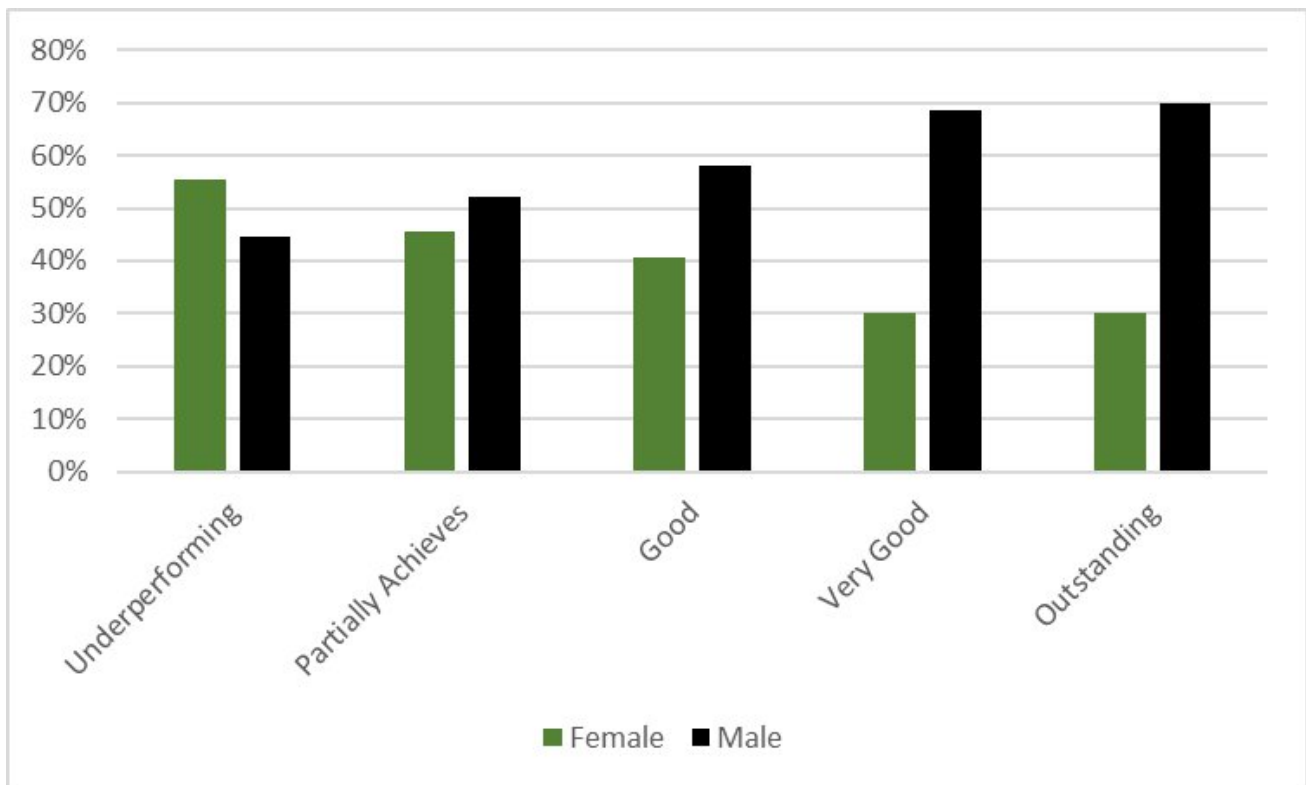
Index: A comprehensive graph presenting the volume of indexed pages available to be searched by site visitor as search results, helping to monitoring the index health process and the quantity of the indexed pages across time.



Quartiles: A Bar graph showing the dynamic analysis of employment categorisation by ethnicity split in quartiles, making it easy to understand employment patterns.



Gender Performance: Visualisation of performance rating categorised by gender, helping as a measure of understanding social values within a company.



Enterprise-grade Software

Maintainable, secure code base

We use widely recognised coding standards, popular version control workflows and automated testing to promote well documented, reliable code bases that allows for easy collaboration across specialised teams and regular security updates with confidence.

Open source technology

We use market leading open source technology to save time and resources for customised solutions that align with your business objectives and target audiences. Our multi-disciplinary team have extensive experience modernising legacy systems and guiding digital transformations of user experiences.

Transparent project progress

We embrace the core values of Agile software development and pride ourselves in being transparent with our team and clients - giving regular, honest and open feedback on the project's progress to ensure value is added at every opportunity and every important touchpoint with your brand and users.

Regular, reliable deployments

When it comes to understanding what works (and what does not), we never assume. From reusable design systems to fully functioning, distributed solutions - we invest in thorough automated CI/CD pipelines to deliver, monitor and scale high-traffic applications on our ISO27001 certified platforms.

Knowledge transfer

We're committed to sharing our know-how. So, from the basics to deep cuts, we help organisations get to grips with the solutions produced. We encourage shared ownership and collaboration, making it easy to scale teams, partner with experts and benefit from specialist domain knowledge experts.

Managed Hosting

It is important that your hosting platform is scalable and secure to allow for peak demand traffic and also provide the peace of mind of knowing your website is in safe hands. At CIVIC, we offer our own managed hosting services: scalable cloud hosting, dedicated servers, and multi-server infrastructures from our secure ISO27001 accredited Tier 3 datacentres in Edinburgh and Glasgow. Our main hosting environment is based at Pulsant in South Gyle, Edinburgh, which is currently the Scottish Government's approved hosting supplier.

To ensure scalability, resilience and security of your website, we recommend that you consider hosting your site on our general purpose clustered hosting platform. Benefits of this service include:

- Operational management, monitoring and backup procedures
- Service Level Agreement (SLA) for network uptime, service response time, support and cover, in and out of office hours
- Physical security, resilience, availability and security of the network
- High bandwidth

Our end-to-end hosting service proposition and the Service Level Agreement which underpins it enables us to offer managed infrastructure services to support both current and future requirements in delivering your web systems. We have built an enterprise level hosting environment to support our clients' business critical systems and ensure maximum 'up time' for their websites and applications. This environment has been designed to create a robust and resilient infrastructure and conforms to current IT best practice.

Our highly secure and robust hosting infrastructure serves both generalist and specialist hosting needs. We also operate a public cluster suitable for websites and applications with fairly common requirements, plus private single purpose platforms and customised infrastructures for those who require it. There are no single points of failure and business critical hardware is replicated so that it can be deployed immediately if production systems fail. We deliver and take responsibility for a fully managed infrastructure, supported 24/7 from multiple sites in Europe, offering a combined service-desk which incorporates Technical Support, Service Delivery Management, and continuous proactive Quality Improvement.

Contact

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