Barrachd

Transformational Data

As complexity increases and competition intensifies, change is the only constant in Higher Education.

With universities looking to meet every new challenge head-on, a strong data strategy and information management are now vital to success. But where are you on the transformational data journey? And how can your data unlock your information advantage?

Build the right data foundation for greater insights

We create data and analytics tools that help universities determine a plan, discover what actually happened, why it happened and what's about to happen... they can even tell you what to do next!

Working with many of the UK's top universities, we design and implement cutting-edge solutions, to ensure they spot every opportunity, react quickly to every challenge, and meet every demand.

Turn your data into actionable knowledge.... and your most powerful resource.

| What's your plan?
Planning Analytics | What happened?
Descriptive Analytics | Why did it happen?
Diagnostic Analytics | What happens next?
Predictive Analytics | What to do next?
Prescriptive Analytics |

- Facilitate better use of information to support staff endeavours and the student experience
- Take a strategic approach to analysing management information
- Build agile, accurate and automated reporting or planning solutions to better understand your data
- Test plans and correlations, spot patterns in your data and make connections you couldn't before
- Track student performance, retention and attrition; predict those most likely to require intervention and support
- Make your data more accessible and more trusted

Barrachd

Transformational Data Warehousing

Much like the complexities of the Higher Education sector, the volumes of data captured by universities has multiplied exponentially in recent years.

Not only structured data from operational systems, but the data from external and unstructured sources too. Ensuring the quality and accessibility of this data is vital to enabling complete view of students, staff and the whole university.

University experts; Data experts

We work with many of the UK's leading universities to bring together information from core operational systems, as well as key external sources, to implement transformational data warehouses that allow you to take a strategic approach to analysing information and to build agile, accurate, automated reporting and planning solutions.

No matter where the data is, or what system holds it, we know how to extract it.

Could you simplify, standardise and make the movement of data across the university more efficient?

By bringing together information from across a multitude of operational systems and datamarts, as well as data from external or unstructured sources, we can help you transform your university's information management.

In today's complex and challenging environment, transforming your data isn't only vital to unlocking a competitive advantage, it's the key to successful strategy, planning and operations.

Developing durable and flexible data models, not only will we help you transform your data, we'll ensure you're ready to meet your future information challenges too.

- Integrate multiple sources of data in near real-time, allowing for better business decisions and saving precious time
- Retain historical data and make it easily accessible with common formats, keys, data model, and access methods.
- Banish performance problems caused by users running reports directly against operational systems.
- Support ad-hoc queries, but avoid the risk of users misusing or corrupting data
- Create a single, actionable, comprehensive source of truth
- Make self-service easier to accomplish, without having to get IT involved
- Ensure consistency and accuracy while reducing costs
- Improve the quality and confidence in your data
- Deploy solutions flexibly on premise or in the cloud
- Provide secure access to those that have a legitimate need to specific data and to exclude others

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Unearth hidden insights

With rising costs, reductions in funding, increased accountability and widespread change, universities need to have all the answers to meet these challenges head-on.

Our next Generation Business Intelligence, embeds AI into the decision-making process, enabling staff to answer all the questions to drive the University forward.

Do you have all the information you need, exactly when you need it?

Our BI, reporting and data visualisation tools provide accurate, trusted, easily accessible information in real time, to empower all your team.

From eliminating time-consuming data prep tasks and consigning the errors associated with manual data collection and input to the past, to automating reporting and consolidating tasks to allow staff to focus on value-adding analysis - you'll find the self-service that users crave, alongside the governance your university demands.

Not only will staff be visualising, dashboarding and reporting with ease, you'll unlock an even deeper understanding of your university.

- Automate reporting and consolidation tasks - Schedule reports, burst to thousands of users, or allow users to subscribe
- Create a 'single source of truth' for more accurate information
- Explore interactive dashboards that allow users to see the full picture - then drill down to an acute level of detail
- Embed geospatial mapping and Smart visualisations with automatically recommended charts based on selected data
- Unlock the self-service that users crave, with the governance that your university demands
- Utilise an easy-to-use, browser-based UI
- Discover embedded AI for your BI
- Find a single interface, cloud-based or on-premises, on desktop, laptop or mobile devices

BI, Reporting & Visualisation tools

- **Principal/VC Dashboard**
- **Management Dashboard**
- **Faculty Dashboard**
- **NSS Dashboard**
- **League Tables**
- **Research Funding Analysis**
- **TEF/TRAC reporting**
- **Annual Report Pack**

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4 Steps to Data Discovery

To ensure your transformational roadmap meets all your challenges, we offer a 4 stage discovery exercise to understand, document and clarify what then needs to be done in the project. This ensures all the work undertaken is relevant, appropriate and the solution is cost-effective.

1 Vision & Objectives	2 As-Is Analysis	3 Proposed Design	4 Plan & Scoping

1. Understand operational and strategic requirements and your vision for data management
2. Understand existing data collection and operational systems and assess suitability of current platform(s) to deliver these requirements
3. Document proposed information management framework and high-level data model; discuss and refine with client team
4. Develop implementation road-map and high-level timescale for solution implementation

Every solution Barrachd delivers is built using cutting-edge technology and tailored to your needs. But our knowledge, expertise and experience in the Higher Education sector sets us apart, with:

• Teams of expert data, ETL, planning and analytics consultants
• A training team, offering certified courses as well as customised training
• Licencing expertise help you navigate software options and secure the very best price
• Tiered support: 24 hour support desk, manned by dedicated consultants
• A project management team ensures seamless execution - on time and to budget

Some of our customers include:

UNIVERSITY OF LONDON   The University Of Sheffield.   UNIVERSITY OF LIVERPOOL   University of Dundee

BU Bournemouth University   University of Glasgow   northumbria UNIVERSITY NEWCASTLE   Ulster University

Edinburgh Napier UNIVERSITY   UNIVERSITY OF BIRMINGHAM   UCL   UNIVERSITY OF LEEDS