Qlik

ANALYTICS

UNS
UNIVERSIDAD NACIONAL DEL SUR

Qlik® Academic Program helps Universidad Nacional del Sur reduce the digital gap between students and the labor market

About Universidad Nacional del Sur

For almost seven decades, Universidad Nacional del Sur (UNS) in Argentina has offered free, high-quality public education to thousands of students. Through the Qlik Academic Program, researchers and lecturers at the university are using Qlik Sense® to interpret complex data from different sources through the creation of specialist dashboards that improve data interpretation and facilitate decision-making.

By incorporating digital twin simulations, lecturers have integrated Qlik into their course modules, enabling students to create highly interactive and realistic experiences that closely align with job market demands.

"The Qlik Academic Program allows us to introduce students to a high-quality tool, preparing them for the world of work and reducing the digital gap in education."

Marisa Sánchez, Professor of the Administrative Sciences Department, Universidad Nacional del Sur

Customer Name
Universidad Nacional del Sur

Industry
Public Sector

Geography
Buenos Aires, Argentina

Challenges
- Transform complex simulation data into clear and interactive information
- Improve decision-making based on data and simulations in production scenarios
- Boost research and its application to academic teaching

Solution
The use of Qlik Sense through the Qlik Academic Program facilitated the development of resilience research in a production environment, as well as academic teaching.

Results
- Reduces the digital gap in academic teaching
- Improves decision-making based on real-world scenarios
- Enables better understanding of data through smart dashboards

Fundamentally transforming learning: Combining new technologies with teaching

Combining new technological capabilities with teaching has the power to fundamentally transform learning. Since 2017, UNS has incorporated Qlik Sense into its study programs and research projects, transforming how both students and lecturers learn about and interact with data.

"UNS has always been synonymous with excellence in education," says Marisa Sánchez, Professor of the Administrative Sciences Department at Universidad Nacional del Sur, and a Qlik Academic Program Educator Ambassador. "As a public university, working with the Qlik Academic Program has been very important in continuing to promote free access to quality technology."

Qlik Sense: from the classroom to strategic research

Data analysis is an increasingly important topic when studying for a degree, and Qlik Sense has become an essential tool in enhancing students' understanding of the subject.

Qlik was chosen following a comprehensive search for a powerful visualization tool that was freely available to students. The Qlik Academic Program now offers a series of important benefits for students, helping the university to prepare the next generation of professionals for the job market. Through the Qlik Academic Program, Sanchez and her students receive free, full-year access to Qlik software, training, and other learning resources, including the ability to earn credentials to prove their knowledge of the Qlik product.
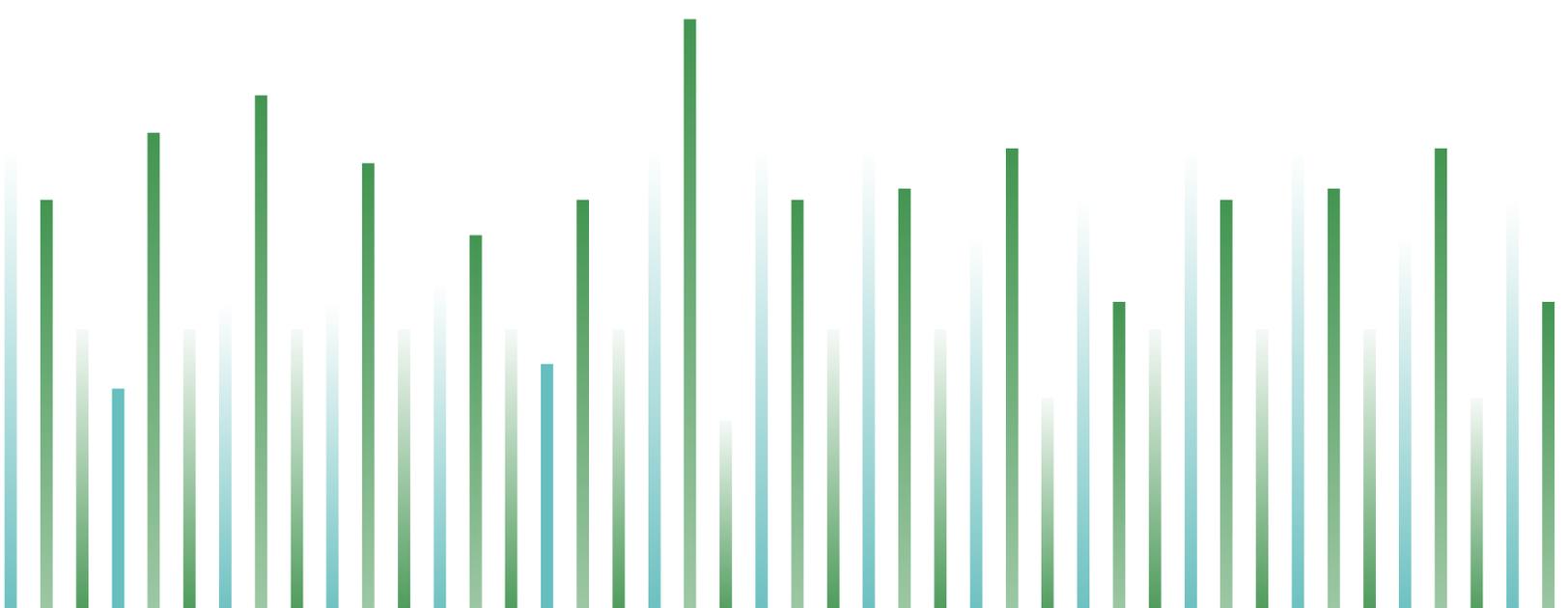
Speed of access to the Qlik Academic Program was an important factor in the decision. Registration is quick and easy, removing financial and logistical barriers and ensuring that students can participate easily. UNS lecturers also use the program's teaching materials, and even translate parts of the program into Spanish to further encourage adoption.

"We receive constant updates and are familiar with all the content. That is a great help when creating a teaching plan," says Sánchez, adding that advice and operational support from Qlik to resolve issues ensures learning continuity.

"The responses from students have been overwhelmingly positive," continues Sánchez. "They are enthused about the tool. They understand how innovative it is and welcome the opportunity to gain practical skills that will give them a competitive advantage in the job market."

Sánchez notes that students typically master Qlik Sense in just one month, applying it to projects and even choosing it for data visualizations in other courses.

Qlik's appeal goes beyond dynamic graphics and interfaces. It teaches students to create visualizations, but also promotes an in-depth understanding of data and how it can be a determining factor in multiple scenarios. Qlik allows students to learn and interpret what they see, to think creatively with innovative visual analysis, and to view data as a strategic asset. As a result, they develop a more practical view of the information they're working with.

"The Qlik dashboards are certainly a significant improvement in terms of visualization, but there are other benefits," adds Daniel Rossit, Adjunct Professor in the Engineering Department at UNS. "It's about the ability to compile and process data; being able to conceptualize it is an important bonus."

Boosting research: strategic analysis and resilience with digital twins

Qlik Sense's impact is not limited to the classroom: it has become an essential component of high-level research projects. At UNS, this includes resilience analysis in a production environment using digital twins, virtual models of physical assets, processes, or systems that use real-time data to simulate and analyze their performance.

Simulations carried out using digital twins generate large volumes of data. Qlik Sense allows students to view this data and, more importantly, integrate it with other sources such as product costs or information from external providers. The ability to compile and process everything within a single platform is essential for students looking to build comprehensive and detailed visualizations.

Qlik Sense dashboards also go beyond this. They offer context, understanding, temporal traceability, and the ability to process information in real time.

These are crucial factors in strategic processes, allowing researchers to analyze scenarios, identify patterns, and assess the resilience of complex systems with unrivaled flexibility and depth.

"The dashboards are a fundamental support in decision-making, which was precisely what we were looking for," adds Rossit. "We have the data in one place, but also with context and the ability to process the information there and then to simulate real-world scenarios."

This ability to generate value from visualization and processing is an invaluable research asset, particularly in areas where incorrect interpretations may negatively impact resilience.

The future of educational technology: consolidating innovation

The future for Qlik Sense at UNS is extremely promising. The tool will not only continue to be an educational mainstay, but its advanced data mining capabilities mean that use for research purposes will also grow.

The Qlik Academic Program, in particular, has been essential for UNS, allowing it to offer its students and lecturers access to a free market-leading tool and training. Not only does this boost the quality of education and research, but it also puts UNS at the forefront of technological innovation in Latin America.

And it's not just the university that benefits: UNS actively shares its experience and promotes adoption of the program at other institutions, aware of the significant value it represents for training new professionals and reducing the region's digital skills gap.

"The Qlik Academic Program allows us to introduce students to a high-quality tool. It's also preparing them for the world of work and reducing the digital gap in education," concludes Sánchez. "Qlik is a catalyst for academic excellence, advanced research, and a bridge to a future where data technology is accessible to everyone."

Qlik Academic Program boosts students' employability

Learn more

About Qlik

Qlik transforms complex data landscapes into actionable insights, driving strategic business outcomes. Serving over 40,000 global customers, our portfolio leverages advanced, enterprise-grade AI/ML and pervasive data quality. We excel in data integration and governance, offering comprehensive solutions that work with diverse data sources. Intuitive and real-time analytics from Qlik uncover hidden patterns, empowering teams to address complex challenges and seize new opportunities. Our AI/ML tools, both practical and scalable, lead to better decisions, faster. As strategic partners, our platform-agnostic technology and expertise make our customers more competitive.

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