PYTHON PREDICTIONS

A TOBANIA COMPANY

Dashboarding.

Transform your data into informed decisions.

Why Dashboarding?

Research has shown that companies that invest in data and analytics perceive significant increases in revenue and profitability. Yet businesses still report ad-hoc data initiatives, even though they would benefit from a company-wide data-driven culture. Therefore, to gain competitive advantages from the ubiquity of data, implementation of dashboards is the way to go.

Developing dashboards, a guide to success

1. Designing the data use case

The first step in developing dashboards consists of establishing the requirements and thus defining the data use case. In this phase, it is of utmost importance to clearly define project goals and acceptance criteria. As they play a leading role, we strongly involve the business stakeholders.

2. Data modeling

The second step involves extracting data from a variety of sources, then transforming and cleaning the data, and finally loading it into an analytical platform. A well-designed data model ensures that the data is organised in a way that supports the requirements of the dashboard, making the data easier to access and analyse.

3. Developing calculations

Next up are the calculations. We defined the KPIs and metrics during the first stage and we will now leverage our data model to create them. To ensure that the calculations are understandable and used correctly, we will also document their meaning. Since accuracy and speed are important, this phase is characterised by extensive testing and performance tuning.

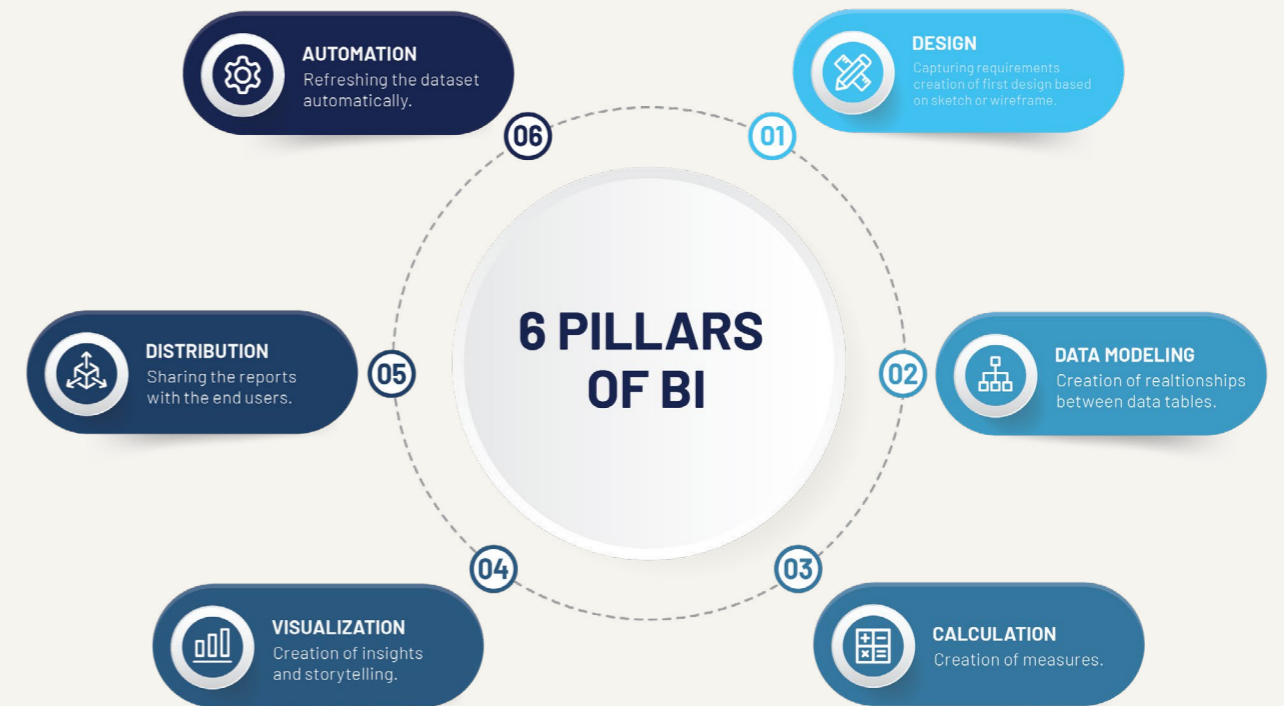**4. From data to information through visualisation**

The purpose of data visualisation is to make information more understandable to people. Therefore, it is essential that the visualised insights catch on immediately when viewed by the end user.

5. Distributing the dashboards within the organisation

The dashboards are subsequently distributed to end users. With our expertise, we help you choose and deploy the right fit. This can be done via the web browser, embedded in your application and even via e-mail alerts.

6. Automating data loading

Finally, queries are automated to update the dashboards with the latest data. This step results in dashboards with the newest trends and insights of your organisation visualised. This way, you never miss the latest happenings within your company.

6 PILLARS OF BI

AUTOMATION — 06 — Refreshing the dataset automatically.

DESIGN — 01 — Capturing requirements creation of first design based on sketch or wireframe.

DISTRIBUTION — 05 — Sharing the reports with the end users.

DATA MODELING — 02 — Creation of realtionships between data tables.

VISUALIZATION — 04 — Creation of insights and storytelling.

CALCULATION — 03 — Creation of measures.

Dashboarding, who's it for?

Whether you have an ERP system, CRM or any other data source, by not being able to translate data into information, you will miss out on value. Dashboarding is the way to go for any company that wants to make **informed decisions** and be **considered data-driven**. Furthermore, we think it is important to note that dashboards are not only relevant for the C-level. Management dashboards will support **strategic** and **tactical** decisions, while **operational** dashboards improve the efficiency of operational processes in the organisation.

We believe that Dashboarding is of immense value to any company and industry, as we have seen successful implementations in **B2C**, **B2B**, **B2G** and a **wide variety of industries**.

Why we love Dashboarding

Thanks to Dashboarding, you can:

Improve decision-making

Visualising all the data in your organisation helps you analyse historical trends and anomalies, understand real-time insights and much more. Therefore, it is no longer necessary to base decisions on gut feeling.
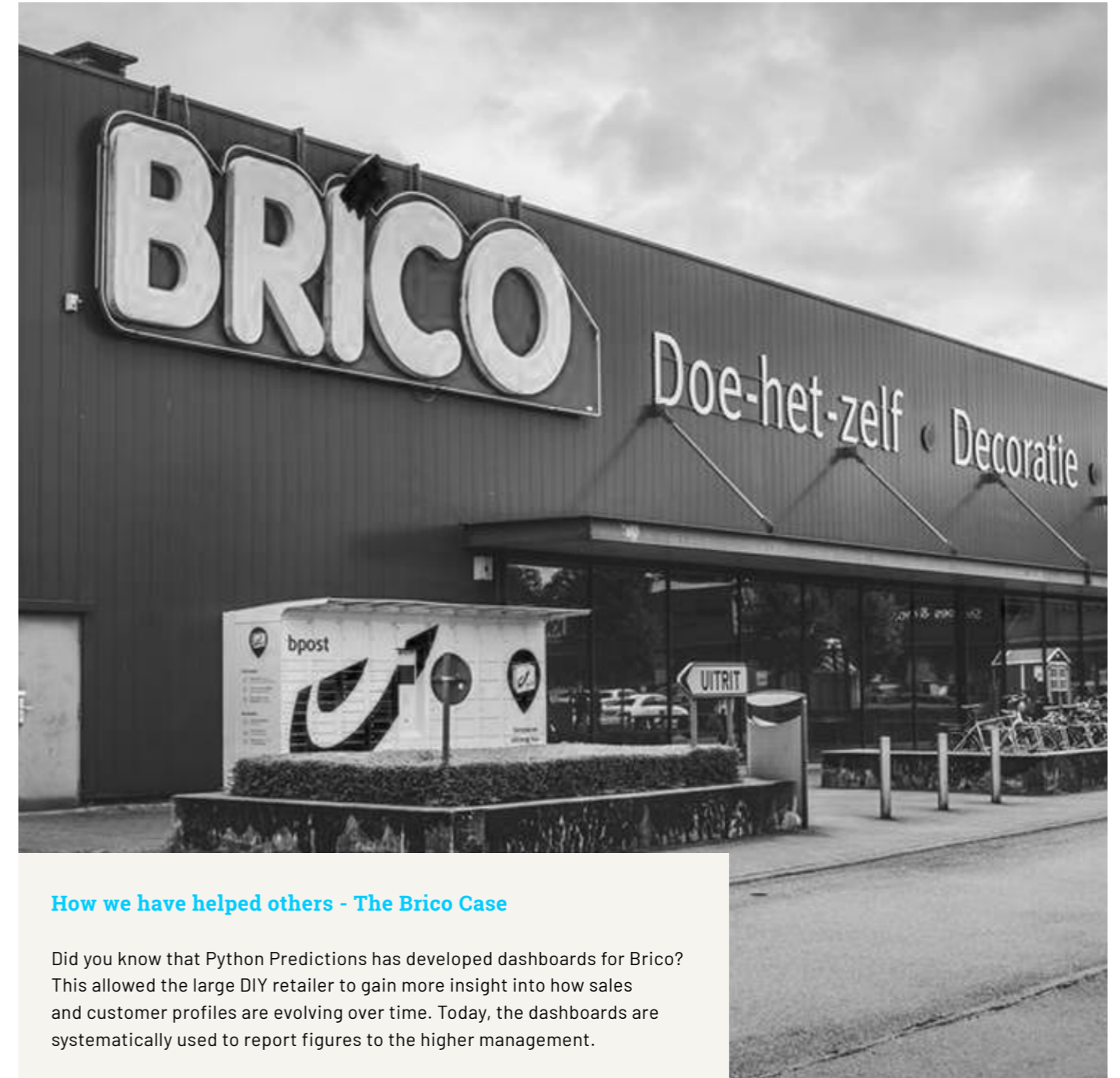
Make your employees smarter & build knowledge within the organisation

Providing employees with dashboards empowers them to analyse data, automate routine activities and make more informed decisions. Knowledge will no longer be isolated in one person's head.

Increase the accuracy

Thanks to dashboards, the days of discussing with the controller whether the current turnover is 10 million or 11 million, are over. Every KPI within the organisation becomes easy to monitor and accurate. This results in a lower error rate and higher productivity.

How we have helped others - The Brico Case

Did you know that Python Predictions has developed dashboards for Brico? This allowed the large DIY retailer to gain more insight into how sales and customer profiles are evolving over time. Today, the dashboards are systematically used to report figures to the higher management.

Dashboarding, a solution to consider?

Would you like to know all about our solutions?
Just get in touch with us! We look forward to getting to know your business.

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These happy customers like to work with Python Predictions as well.

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