



**PYTHON**  
P R E D I C T I O N S  
A TOBANIA COMPANY

# Anomaly Detection



**Abnormal is the new normal.**

Your most valuable information  
is found in those cases that  
deviate from the trend.





● **Display what's hidden in your data.**

Do you want to expose every unusual event in your processes in order to drive the correct business decisions? Start using Anomaly Detection and find an answer to questions such as "How can we avoid being late in detecting possible failures?", "How can we spot the first signals of a critical incident?" and "How can we create value from our sensor data?".

By using Anomaly Detection, you can prevent much larger damages and even benefit from the cases that deviate from your typical trends.

● **The odd-ones-out.**

Anomaly Detection, or outlier analysis, helps to expose unusual events and errors in your business processes. Within datasets, the data patterns represent business as usual. An unexpected change within these data patterns, or an event that does not conform to the expected data pattern, is considered an anomaly.

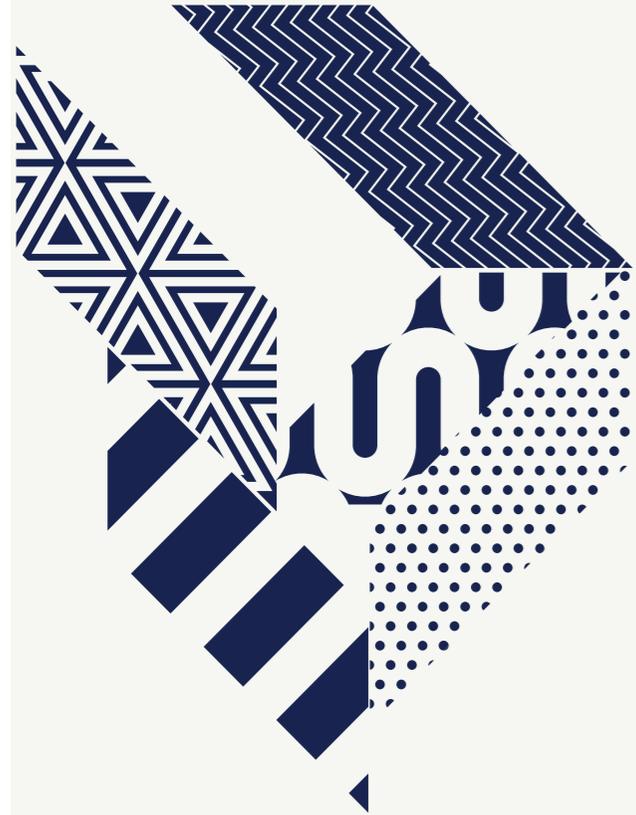
Our Anomaly Detection solution helps you detect critical incidents, such as technical glitches in malfunctioning equipment. But the same technologies are used to detect fraudulent and criminal behaviour – which are often behaviours that deviate subtly from common patterns.

● **Anomaly Detection, who's it for?**

Anomaly Detection is rock-solid gold for risk departments in banking companies, process engineering departments in manufacturing companies and product quality departments in life science and healthcare companies.

Actually, Anomaly Detection can be extremely useful in any kind of department that has a critical problem or a deviating KPI that can cause harm or create opportunities.





### 3 reasons to fall in love with Anomaly Detection.



#### Create cost reduction

Anomaly Detection will reduce your costs because early detected failures will often produce lower costs than complete failures.



#### Boost your revenues

Thanks to Anomaly Detection you can boost your revenues because the time of 'shutdown' (time to fix) will always be smaller. Besides that, we never miss opportunities (e.g. we can discover your product has not been sold for a while because your inventory wasn't stocked properly).



#### Prevent security breaches

While Anomaly Detection is deployed to discover new opportunities, it also works in the opposite way: it detects threats and issues before they can cause any crucial damage. Talking about a solid way of working!



### When Python Predictions gives you Anomaly Detection... turn every error into a business opportunity.

One of our customers wanted to investigate their own internal procurement spend to uncover savings opportunities, process deviations and possible fraud.

By slicing and dicing the procurement data, anomaly detection algorithms were put in place to detect more complex process deviations and possible fraudulent behaviour. In the end, the ROI was huge as efficiency gains were found for 4% of the total procurement spend.

## Would you like to know all about our solutions?

Just get in touch with us! We look forward to getting to know your business.

info@pythonpredictions.com  
Avenue Roger Vandendriessche 9,  
1150 Brussels (Belgium)  
www.pythonpredictions.com



## These happy customers like to use predictions as well.



## Can't get enough of our Python Predictions crew?

We deliver great value to our customers, but you don't have to take our word for it.  
Just like, follow and get to know us online.

