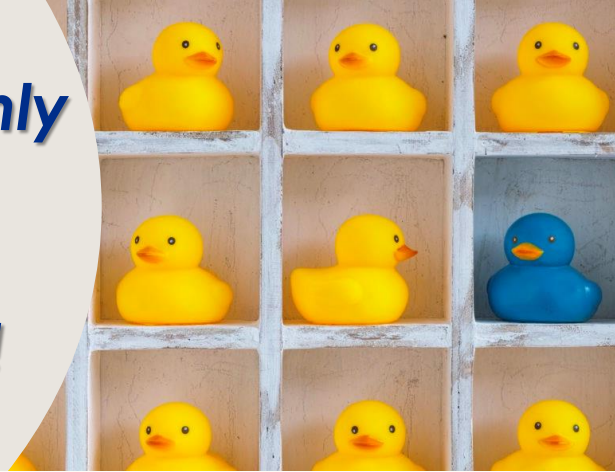# Don't Wait For the Monthly Reports to Tell You Something Went Wrong!
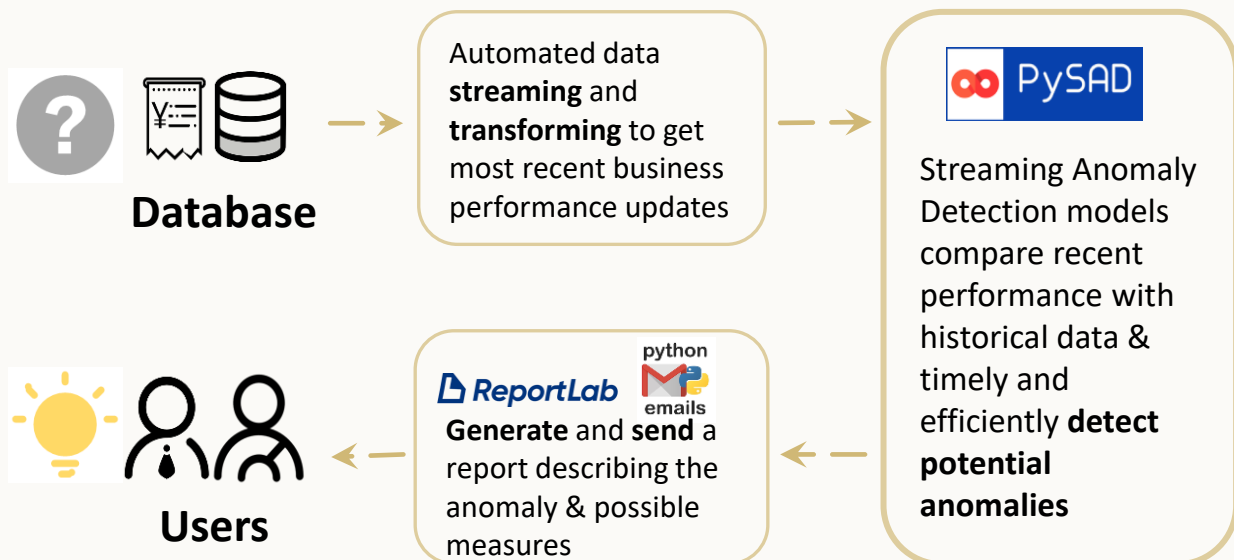
How effective are your monthly reports in catching all risks and opportunities?

Monthly Report

- ⚠ **Long wait time**
- ⚠ **Repetitive**
- ⚠ **Oversimplified**

Automated Anomaly Detection

- ✅ **Real-time analysis**
- ✅ **Automated**
- ✅ **Data& AI-backed**

Database → Automated data **streaming** and **transforming** to get most recent business performance updates → **PySAD** Streaming Anomaly Detection models compare recent performance with historical data & timely and efficiently **detect potential anomalies**

Users ← **ReportLab** **python emails** **Generate** and **send** a report describing the anomaly & possible measures ←
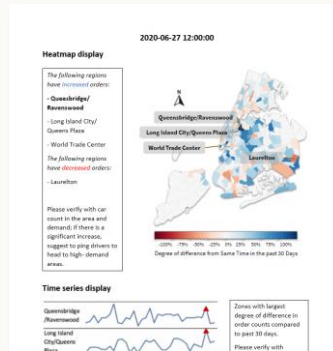
Case for NYC Taxi

Challenges

- Hard to identify local fluctuations for timely operation optimization
- Potentially mistake noises as fluctuations and overreact

With Our SAD Solution

As A Manager
You get reports explaining the anomalies as they occur.

As A Driver
You get pins suggesting changes in local demands.

*An anomaly will be reported only when the anomaly score is higher than a threshold customed to your business need.

Other General Business Applications

E-commerce: Generate insights from *daily order fluctuation*

Banking: Automated fraud detection *reduces large default cost*

Supply Chain: Guarantee *stable* and *high-quality* delivery service

Manufacturing: Monitor production to *prevent/ mitigate* breakdown damage

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