



Data-to-Insight AI Analyst

Upload a CSV or Excel file to automatically generate trends, anomalies, and business recommendations.

② Agent (Remote Sandbox)

Run the analysis fully inside an E2B sandbox. Prefer a dataset URL/presigned URL so the sandbox downloads the file directly. The dataset never goes to the LLM.

Dataset URL (preferred)

<https://.../your-data.csv or .xlsx>

Drag
Or upload to sandbox
and



drop
file

Browse files

here



fake_cus... 96.6KB X

- > System check (deployment readiness)

Best place to run E2B: from this server-side app (Streamlit process). Provide presigned dataset URLs so the sandbox downloads the file directly over HTTPS.

Analysis Type

Select analysis type



Two-Phase Analysis (Basic + Deep Patterns)



Auto-run when input changes

Run Agent in E2B Sandbox



Phase 1: Data Overview

Total Revenue

\$169,674

Latest WoW Change

-68.58%

Trend

↓ -68.58%



Down

Period: | Main Metric: first_response_minutes

🔬 Phase 2: Deep Pattern Analysis

🔍 Detected Patterns

🔴 Anomaly in region (2025-10-12)

- Change: 56.1%
- Action: *Investigate region Region A for underlying issues causing spikes or drops.*

🟡 Anomaly in region (2025-10-19)

- Change: -30.6%
- Action: *Investigate region Region A for underlying issues causing spikes or drops.*

🟡 Anomaly in region (2025-10-26)

- Change: -49.4%
- Action: *Investigate region Region A for underlying issues causing spikes or drops.*

🔴 Anomaly in region (2025-11-02)

- Change: 90.6%
- Action: *Investigate region Region A for underlying issues causing spikes or drops.*

🟡 Anomaly in region (2025-11-09)

- Change: -48.4%

-  Action: Investigate region Region A for underlying issues causing spikes or drops.
-

Anomaly in region (2025-11-16)

-  Change: 51.3%
 -  Action: Investigate region Region A for underlying issues causing spikes or drops.
-

Anomaly in region (2025-11-30)

-  Change: -50.4%
 -  Action: Investigate region Region A for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-07)

-  Change: 67.1%
 -  Action: Investigate region Region A for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-14)

-  Change: -50.6%
 -  Action: Investigate region Region A for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-21)

-  Change: 223.0%
 -  Action: Investigate region Region A for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-28)

-  Change: -88.4%

-  Action: Investigate region Region A for underlying issues causing spikes or drops.
-

Anomaly in region (2025-09-28)

-  Change: 51.0%
 -  Action: Investigate region Region B for underlying issues causing spikes or drops.
-

Anomaly in region (2025-10-12)

-  Change: -56.9%
 -  Action: Investigate region Region B for underlying issues causing spikes or drops.
-

Anomaly in region (2025-10-19)

-  Change: 110.5%
 -  Action: Investigate region Region B for underlying issues causing spikes or drops.
-

Anomaly in region (2025-10-26)

-  Change: -42.1%
 -  Action: Investigate region Region B for underlying issues causing spikes or drops.
-

Anomaly in region (2025-11-09)

-  Change: 123.7%
 -  Action: Investigate region Region B for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-14)

-  Change: 79.1%

-  Action: Investigate region Region B for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-21)

-  Change: -37.9%
 -  Action: Investigate region Region B for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-28)

-  Change: -56.5%
 -  Action: Investigate region Region B for underlying issues causing spikes or drops.
-

Anomaly in region (2025-09-28)

-  Change: 112.9%
 -  Action: Investigate region Region C for underlying issues causing spikes or drops.
-

Anomaly in region (2025-10-12)

-  Change: -34.5%
 -  Action: Investigate region Region C for underlying issues causing spikes or drops.
-

Anomaly in region (2025-10-19)

-  Change: -66.3%
 -  Action: Investigate region Region C for underlying issues causing spikes or drops.
-

Anomaly in region (2025-10-26)

-  Change: 224.9%

-  Action: Investigate region Region C for underlying issues causing spikes or drops.
-

Anomaly in region (2025-11-02)

-  Change: -33.9%
 -  Action: Investigate region Region C for underlying issues causing spikes or drops.
-

Anomaly in region (2025-11-09)

-  Change: 86.4%
 -  Action: Investigate region Region C for underlying issues causing spikes or drops.
-

Anomaly in region (2025-11-23)

-  Change: -47.7%
 -  Action: Investigate region Region C for underlying issues causing spikes or drops.
-

Anomaly in region (2025-11-30)

-  Change: 33.6%
 -  Action: Investigate region Region C for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-07)

-  Change: -42.2%
 -  Action: Investigate region Region C for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-14)

-  Change: 86.6%

-  Action: Investigate region Region C for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-21)

-  Change: 69.6%
 -  Action: Investigate region Region C for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-28)

-  Change: -48.1%
 -  Action: Investigate region Region C for underlying issues causing spikes or drops.
-

Anomaly in region (2025-10-05)

-  Change: 67.7%
 -  Action: Investigate region Region D for underlying issues causing spikes or drops.
-

Anomaly in region (2025-10-12)

-  Change: 60.0%
 -  Action: Investigate region Region D for underlying issues causing spikes or drops.
-

Anomaly in region (2025-10-19)

-  Change: -94.0%
 -  Action: Investigate region Region D for underlying issues causing spikes or drops.
-

Anomaly in region (2025-10-26)

-  Change: 691.4%

-  Action: Investigate region Region D for underlying issues causing spikes or drops.
-

Anomaly in region (2025-11-02)

-  Change: -31.8%
 -  Action: Investigate region Region D for underlying issues causing spikes or drops.
-

Anomaly in region (2025-11-09)

-  Change: 57.6%
 -  Action: Investigate region Region D for underlying issues causing spikes or drops.
-

Anomaly in region (2025-11-16)

-  Change: 46.5%
 -  Action: Investigate region Region D for underlying issues causing spikes or drops.
-

Anomaly in region (2025-11-23)

-  Change: 44.4%
 -  Action: Investigate region Region D for underlying issues causing spikes or drops.
-

Anomaly in region (2025-11-30)

-  Change: -48.5%
 -  Action: Investigate region Region D for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-07)

-  Change: -39.7%

-  Action: Investigate region Region D for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-14)

-  Change: 105.4%
 -  Action: Investigate region Region D for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-21)

-  Change: -51.5%
 -  Action: Investigate region Region D for underlying issues causing spikes or drops.
-

Anomaly in region (2025-12-28)

-  Change: -94.1%
 -  Action: Investigate region Region D for underlying issues causing spikes or drops.
-

Anomaly in category (2025-10-19)

-  Change: -58.0%
 -  Action: Investigate category Apparel for underlying issues causing spikes or drops.
-

Anomaly in category (2025-10-26)

-  Change: -41.8%
 -  Action: Investigate category Apparel for underlying issues causing spikes or drops.
-

Anomaly in category (2025-11-02)

-  Change: 81.7%

-  Action: Investigate category Apparel for underlying issues causing spikes or drops.
-

Anomaly in category (2025-11-09)

-  Change: 87.7%
 -  Action: Investigate category Apparel for underlying issues causing spikes or drops.
-

Anomaly in category (2025-11-23)

-  Change: 34.7%
 -  Action: Investigate category Apparel for underlying issues causing spikes or drops.
-

Anomaly in category (2025-11-30)

-  Change: -40.3%
 -  Action: Investigate category Apparel for underlying issues causing spikes or drops.
-

Anomaly in category (2025-12-07)

-  Change: 52.1%
 -  Action: Investigate category Apparel for underlying issues causing spikes or drops.
-

Anomaly in category (2025-12-28)

-  Change: -81.3%
 -  Action: Investigate category Apparel for underlying issues causing spikes or drops.
-

Anomaly in category (2025-09-28)

-  Change: 70.6%

-  Action: *Investigate category Electronics for underlying issues causing spikes or drops.*
-

Anomaly in category (2025-10-12)

-  Change: -38.4%
 -  Action: *Investigate category Electronics for underlying issues causing spikes or drops.*
-

Anomaly in category (2025-10-26)

-  Change: -47.7%
 -  Action: *Investigate category Electronics for underlying issues causing spikes or drops.*
-

Anomaly in category (2025-11-02)

-  Change: 110.2%
 -  Action: *Investigate category Electronics for underlying issues causing spikes or drops.*
-

Anomaly in category (2025-11-30)

-  Change: -30.8%
 -  Action: *Investigate category Electronics for underlying issues causing spikes or drops.*
-

Anomaly in category (2025-12-07)

-  Change: -62.0%
 -  Action: *Investigate category Electronics for underlying issues causing spikes or drops.*
-

Anomaly in category (2025-12-14)

-  Change: 293.6%

-  Action: Investigate category Electronics for underlying issues causing spikes or drops.
-

Anomaly in category (2025-12-28)

-  Change: -62.4%
 -  Action: Investigate category Electronics for underlying issues causing spikes or drops.
-

Anomaly in category (2025-09-28)

-  Change: -48.0%
 -  Action: Investigate category Home & Kitchen for underlying issues causing spikes or drops.
-

Anomaly in category (2025-10-05)

-  Change: 120.0%
 -  Action: Investigate category Home & Kitchen for underlying issues causing spikes or drops.
-

Anomaly in category (2025-10-12)

-  Change: 33.9%
 -  Action: Investigate category Home & Kitchen for underlying issues causing spikes or drops.
-

Anomaly in category (2025-10-19)

-  Change: -32.1%
 -  Action: Investigate category Home & Kitchen for underlying issues causing spikes or drops.
-

Anomaly in category (2025-10-26)

-  Change: 61.2%

-  Action: Investigate category Home & Kitchen for underlying issues causing spikes or drops.
-

Anomaly in category (2025-11-02)

-  Change: -47.9%
 -  Action: Investigate category Home & Kitchen for underlying issues causing spikes or drops.
-

Anomaly in category (2025-11-23)

-  Change: -40.1%
 -  Action: Investigate category Home & Kitchen for underlying issues causing spikes or drops.
-

Anomaly in category (2025-12-14)

-  Change: 51.0%
 -  Action: Investigate category Home & Kitchen for underlying issues causing spikes or drops.
-

Anomaly in category (2025-12-21)

-  Change: 39.4%
 -  Action: Investigate category Home & Kitchen for underlying issues causing spikes or drops.
-

Anomaly in category (2025-12-28)

-  Change: -66.4%
 -  Action: Investigate category Home & Kitchen for underlying issues causing spikes or drops.
-

Segment Anomalies

region: Region A: Anomalous WoW change (2025-10-12)

region: Region A: Anomalous WoW change (2025-10-19)

region: Region A: Anomalous WoW change (2025-10-26)

region: Region A: Anomalous WoW change (2025-11-02)

region: Region A: Anomalous WoW change (2025-11-09)

region: Region A: Anomalous WoW change (2025-11-16)

region: Region A: Anomalous WoW change (2025-11-30)

region: Region A: Anomalous WoW change (2025-12-07)

region: Region A: Anomalous WoW change (2025-12-14)

region: Region A: Anomalous WoW change (2025-12-21)

region: Region A: Anomalous WoW change (2025-12-28)

region: Region B: Anomalous WoW change (2025-09-28)

region: Region B: Anomalous WoW change (2025-10-12)

region: Region B: Anomalous WoW change (2025-10-19)

region: Region B: Anomalous WoW change (2025-10-26)

region: Region B: Anomalous WoW change (2025-11-09)

region: Region B: Anomalous WoW change (2025-12-14)

region: Region B: Anomalous WoW change (2025-12-21)

region: Region B: Anomalous WoW change (2025-12-28)

region: Region C: Anomalous WoW change (2025-09-28)

region: Region C: Anomalous WoW change (2025-10-12)

region: Region C: Anomalous WoW change (2025-10-19)

region: Region C: Anomalous WoW change (2025-10-26)

region: Region C: Anomalous WoW change (2025-11-02)

region: Region C: Anomalous WoW change (2025-11-09)

region: Region C: Anomalous WoW change (2025-11-23)

region: Region C: Anomalous WoW change (2025-11-30)

region: Region C: Anomalous WoW change (2025-12-07)

region: Region C: Anomalous WoW change (2025-12-14)

region: Region C: Anomalous WoW change (2025-12-21)

region: Region C: Anomalous WoW change (2025-12-28)

region: Region D: Anomalous WoW change (2025-10-05)

region: Region D: Anomalous WoW change (2025-10-12)

region: Region D: Anomalous WoW change (2025-10-19)

region: Region D: Anomalous WoW change (2025-10-26)

region: Region D: Anomalous WoW change (2025-11-02)

region: Region D: Anomalous WoW change (2025-11-09)

region: Region D: Anomalous WoW change (2025-11-16)

region: Region D: Anomalous WoW change (2025-11-23)

region: Region D: Anomalous WoW change (2025-11-30)

region: Region D: Anomalous WoW change (2025-12-07)

region: Region D: Anomalous WoW change (2025-12-14)

region: Region D: Anomalous WoW change (2025-12-21)

region: Region D: Anomalous WoW change (2025-12-28)

category: Apparel: Anomalous WoW change (2025-10-19)

category: Apparel: Anomalous WoW change (2025-10-26)

category: Apparel: Anomalous WoW change (2025-11-02)

category: Apparel: Anomalous WoW change (2025-11-09)

category: Apparel: Anomalous WoW change (2025-11-23)

category: Apparel: Anomalous WoW change (2025-11-30)

category: Apparel: Anomalous WoW change (2025-12-07)

category: Apparel: Anomalous WoW change (2025-12-28)

category: Electronics: Anomalous WoW change (2025-09-28)

category: Electronics: Anomalous WoW change (2025-10-12)

category: Electronics: Anomalous WoW change (2025-10-26)

category: Electronics: Anomalous WoW change (2025-11-02)

category: Electronics: Anomalous WoW change (2025-11-30)

category: Electronics: Anomalous WoW change (2025-12-07)

category: Electronics: Anomalous WoW change (2025-12-14)

category: Electronics: Anomalous WoW change (2025-12-28)

category: Home & Kitchen: Anomalous WoW change (2025-09-28)

category: Home & Kitchen: Anomalous WoW change (2025-10-05)

category: Home & Kitchen: Anomalous WoW change (2025-10-12)

category: Home & Kitchen: Anomalous WoW change (2025-10-19)

category: Home & Kitchen: Anomalous WoW change (2025-10-26)

category: Home & Kitchen: Anomalous WoW change (2025-11-02)

category: Home & Kitchen: Anomalous WoW change (2025-11-23)

category: Home & Kitchen: Anomalous WoW change (2025-12-14)

category: Home & Kitchen: Anomalous WoW change (2025-12-21)

category: Home & Kitchen: Anomalous WoW change (2025-12-28)

Key Insights

The total sum of first response minutes across the dataset is 169674.

The weekly trend of first response minutes is down, indicating improving response times.

The most recent week shows a week-over-week change of -68.58%, suggesting improvement in first response times.

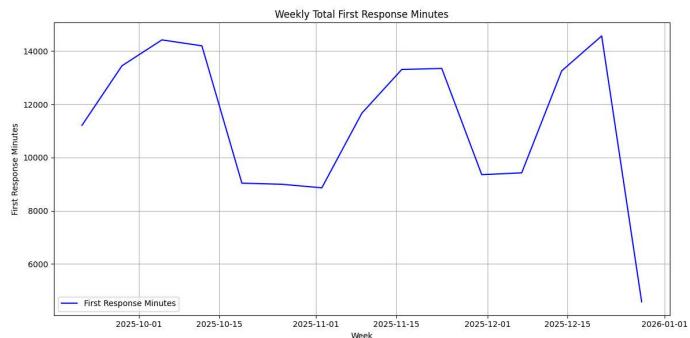
Region-wise total first response minutes indicate variation of workload or complexity across regions. Investigate regions with high totals for optimization.

Recommendations

- ➡ Investigate high anomaly regions and categories for underlying issues causing spikes or drops in first response times.
- ➡ Focus improvement efforts on regions or categories where first response times are increasing (trend slope positive).
- ➡ Use heatmap insights to identify specific weeks and segments with unusual performance for targeted interventions.
- ➡ Monitor SLA breaches in conjunction with first response times to ensure customer satisfaction.

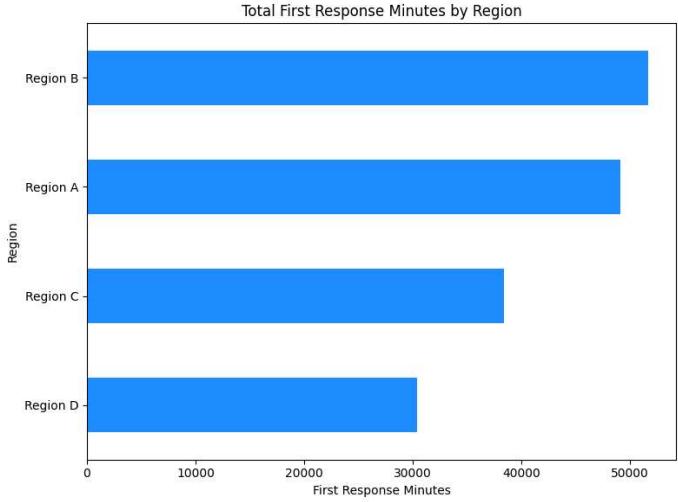


Visualizations



Trend Over Time (with Anomalies)

What this shows: Time series line chart of weekly aggregated first response minutes. Shows trends and potential anomalies.

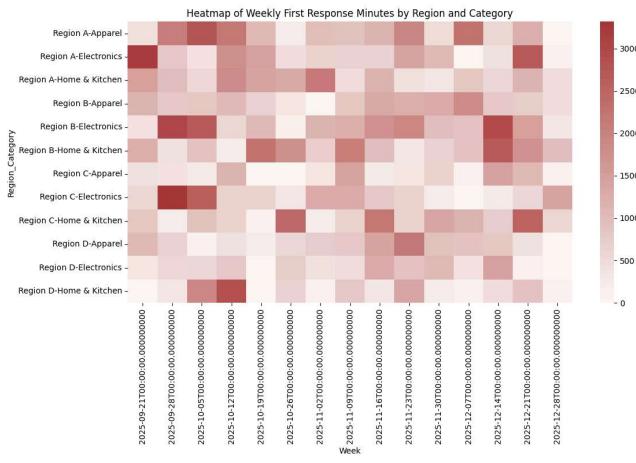


Segment Performance

What this shows: Bar chart showing total first response minutes aggregated by region to highlight workload distribution.



Deep Pattern Analysis



Performance Heatmap

What this shows: Heatmap visualizing weekly first response minutes by region and category for detailed pattern analysis.

➤ Artifacts (debug)

➤ Raw insights.json

➤ Agent run log