



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%



Decr...

Period: | Main Metric: first_response_minutes

🔬 Phase 2: Deep Pattern Analysis

🔍 Detected Patterns

🟡 Region B (region) decline trend (Ending week of Nov 24, 2025)

- 📈 Change: `decline over 3 weeks`
- 💡 Action: *Monitor Region B performance and investigate causes of sustained decline.*

🟡 Region C (region) decline trend (Ending week of Oct 13, 2025)

- 📈 Change: `decline over 3 weeks`
- 💡 Action: *Monitor Region C performance and investigate causes of sustained decline.*

🟡 Region D (region) growth trend (Ending week of Oct 06, 2025)

- 📈 Change: `growth over 3 weeks`
- 💡 Action: *Monitor Region D performance and investigate causes of sustained growth.*

🟡 Region D (region) growth trend (Ending week of Nov 17, 2025)

- 📈 Change: `growth over 3 weeks`
- 💡 Action: *Monitor Region D performance and investigate causes of sustained growth.*

🟡 Email (channel) decline trend (Ending week of Dec 01, 2025)

- 📈 Change: `decline over 3 weeks`

-  Action: Monitor Email performance and investigate causes of sustained decline.
-

Phone (channel) decline trend (Ending week of Oct 13, 2025)

-  Change: `decline over 3 weeks`
 -  Action: Monitor Phone performance and investigate causes of sustained decline.
-

Social (channel) growth trend (Ending week of Dec 15, 2025)

-  Change: `growth over 3 weeks`
 -  Action: Monitor Social performance and investigate causes of sustained growth.
-

Apparel (category) growth trend (Ending week of Oct 06, 2025)

-  Change: `growth over 3 weeks`
 -  Action: Monitor Apparel performance and investigate causes of sustained growth.
-

Apparel (category) growth trend (Ending week of Nov 17, 2025)

-  Change: `growth over 3 weeks`
 -  Action: Monitor Apparel performance and investigate causes of sustained growth.
-

Electronics (category) growth trend (Ending week of Nov 17, 2025)

-  Change: `growth over 3 weeks`
 -  Action: Monitor Electronics performance and investigate causes of sustained growth.
-

Electronics (category) decline trend (Ending week of Oct 20, 2025)

-  Change: `decline over 3 weeks`

-  Action: Monitor Electronics performance and investigate causes of sustained decline.
-

Home & Kitchen (category) growth trend (Ending week of Dec 15, 2025)

-  Change: growth over 3 weeks
 -  Action: Monitor Home & Kitchen performance and investigate causes of sustained growth.
-

High (priority) growth trend (Ending week of Dec 15, 2025)

-  Change: growth over 3 weeks
 -  Action: Monitor High performance and investigate causes of sustained growth.
-

High (priority) decline trend (Ending week of Oct 27, 2025)

-  Change: decline over 3 weeks
 -  Action: Monitor High performance and investigate causes of sustained decline.
-

High (priority) decline trend (Ending week of Nov 24, 2025)

-  Change: decline over 3 weeks
 -  Action: Monitor High performance and investigate causes of sustained decline.
-

Low (priority) growth trend (Ending week of Oct 06, 2025)

-  Change: growth over 3 weeks
 -  Action: Monitor Low performance and investigate causes of sustained growth.
-

Low (priority) decline trend (Ending week of Dec 01, 2025)

-  Change: decline over 3 weeks

-  Action: Monitor Low performance and investigate causes of sustained decline.
-

Medium (priority) decline trend (Ending week of Oct 20, 2025)

-  Change: `decline over 3 weeks`
 -  Action: Monitor Medium performance and investigate causes of sustained decline.
-

Urgent (priority) decline trend (Ending week of Nov 17, 2025)

-  Change: `decline over 3 weeks`
 -  Action: Monitor Urgent performance and investigate causes of sustained decline.
-

Resolved (outcome) growth trend (Ending week of Nov 10, 2025)

-  Change: `growth over 3 weeks`
 -  Action: Monitor Resolved performance and investigate causes of sustained growth.
-

Resolved (outcome) decline trend (Ending week of Dec 01, 2025)

-  Change: `decline over 3 weeks`
 -  Action: Monitor Resolved performance and investigate causes of sustained decline.
-

Account/login (issue_type) growth trend (Ending week of Nov 10, 2025)

-  Change: `growth over 3 weeks`
 -  Action: Monitor Account/login performance and investigate causes of sustained growth.
-

Billing issue (issue_type) growth trend (Ending week of Dec 15, 2025)

-  Change: `growth over 3 weeks`

-  Action: Monitor Billing issue performance and investigate causes of sustained growth.
-

Damaged item (issue_type) decline trend (Ending week of Nov 03, 2025)

-  Change: `decline over 3 weeks`
 -  Action: Monitor Damaged item performance and investigate causes of sustained decline.
-

Refund request (issue_type) growth trend (Ending week of Dec 15, 2025)

-  Change: `growth over 3 weeks`
 -  Action: Monitor Refund request performance and investigate causes of sustained growth.
-

Tech support (issue_type) decline trend (Ending week of Dec 15, 2025)

-  Change: `decline over 3 weeks`
 -  Action: Monitor Tech support performance and investigate causes of sustained decline.
-

Wrong item (issue_type) growth trend (Ending week of Nov 03, 2025)

-  Change: `growth over 3 weeks`
 -  Action: Monitor Wrong item performance and investigate causes of sustained growth.
-

Wrong item (issue_type) decline trend (Ending week of Nov 24, 2025)

-  Change: `decline over 3 weeks`
 -  Action: Monitor Wrong item performance and investigate causes of sustained decline.
-

Region Region A drop in first_response_minutes (Week of Dec 22, 2025)

-  Change: `-88.4% drop`

- 💡 Action: Investigate factors driving the drop in region Region A.
-

🔴 Region Region B drop in first_response_minutes (Week of Dec 22, 2025)

- 📊 Change: -56.52% drop
 - 💡 Action: Investigate factors driving the drop in region Region B.
-

🔴 Region Region C drop in first_response_minutes (Week of Dec 22, 2025)

- 📊 Change: -48.06% drop
 - 💡 Action: Investigate factors driving the drop in region Region C.
-

🔴 Region Region D drop in first_response_minutes (Week of Dec 22, 2025)

- 📊 Change: -94.1% drop
 - 💡 Action: Investigate factors driving the drop in region Region D.
-

⚠ Segment Anomalies

Region C (region): first_response_minutes dropped 48.06% WoW (2447 units above average)

Region A (region): first_response_minutes dropped 88.4% WoW (133 units above average)

Region D (region): first_response_minutes dropped 94.1% WoW (878 units above average)

Region B (region): first_response_minutes dropped 56.52% WoW (1117 units above average)

Email (channel): first_response_minutes dropped 66.58% WoW (2858 units below average)

Chat (channel): first_response_minutes dropped 72.71% WoW (2394 units above average)

Social (channel): first_response_minutes dropped 85.28% WoW (2230 units above average)

Apparel (category): first_response_minutes dropped 81.28% WoW (1004 units above average)

Home & Kitchen (category): first_response_minutes dropped 66.39% WoW (1981 units above average)

Electronics (category): first_response_minutes dropped 62.35% WoW (1590 units above average)

High (priority): first_response_minutes dropped 96.25% WoW (1484 units above average)

Medium (priority): first_response_minutes dropped 51.61% WoW (421 units below average)

Low (priority): first_response_minutes dropped 62.95% WoW (764 units above average)

Urgent (priority): first_response_minutes dropped 69.23% WoW (2749 units above average)

Pending customer (outcome): first_response_minutes dropped 85.35% WoW (2045 units above average)

Duplicate (outcome): first_response_minutes dropped 100.0% WoW (2605 units above average)

Resolved (outcome): first_response_minutes dropped 64.27% WoW (2060 units below average)

Escalated (outcome): first_response_minutes dropped 80.89% WoW (1985 units above average)

Billing issue (issue_type): first_response_minutes dropped 75.74% WoW (801 units above average)

Refund request (issue_type): first_response_minutes dropped 84.54% WoW (140 units above average)

Account/login (issue_type): first_response_minutes dropped 79.73% WoW (397 units above average)

Warranty claim (issue_type): first_response_minutes dropped 60.65% WoW (763 units above average)

Tech support (issue_type): first_response_minutes increased 227.86% WoW (1016 units above average)

Delivery delay (issue_type): first_response_minutes dropped 44.98% WoW (46 units below average)

Damaged item (issue_type): first_response_minutes dropped 99.04% WoW (420 units above average)

Wrong item (issue_type): first_response_minutes dropped 48.47% WoW (1083 units above average)

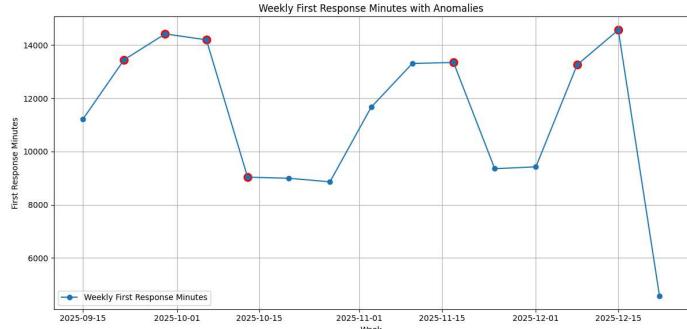
Key Insights

No insights returned.

Recommendations

- Establish a weekly monitoring cadence with alerts.

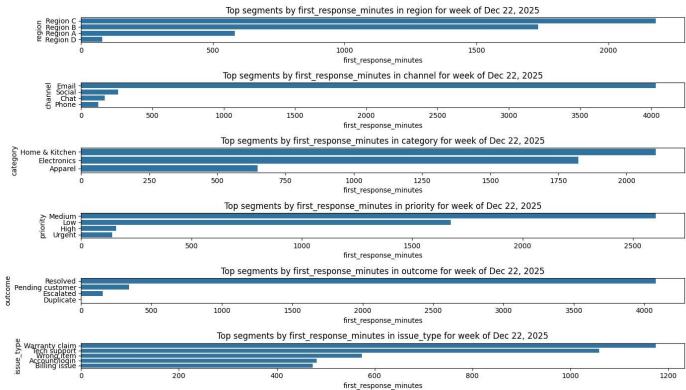
Visualizations



Trend Over Time (with Anomalies)

What this shows: The time series chart shows the weekly total first response minutes to support tickets with anomalies marked in red, indicating weeks with unusually high or low support response times.

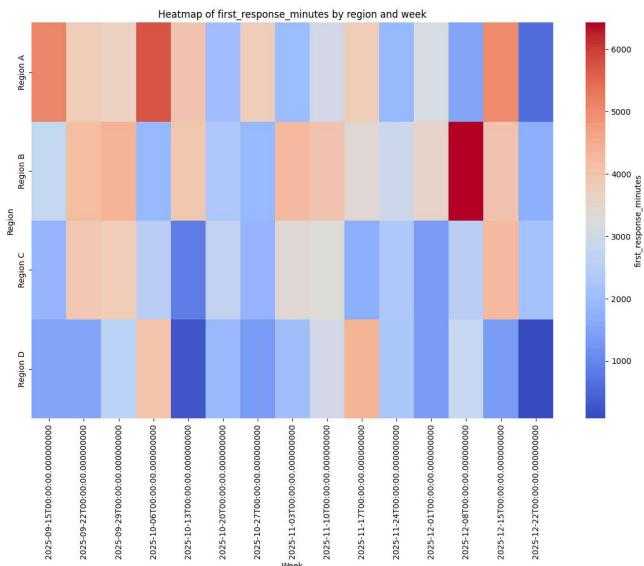
Data-to-Insight AI Analyst



Segment Performance

What this shows: The segment comparison bar chart displays the top 5 performing segments for each categorical dimension during the latest week based on first response minutes.

Deep Pattern Analysis



Performance Heatmap

What this shows: The heatmap reveals the distribution of first response minutes across different regions over multiple weeks, highlighting patterns and anomalies visually.

- > Artifacts (debug)

› Raw insights.json

› Agent run log