

Maximizing Insights from Your Data:

Leveraging Generative AI
for Enhanced Analytics



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Gen
AI is the new tech
revolution

Klarna

AI Assistant



Sebastian Siemiatkowski 
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This is a breakthrough in practical application of AI!

Klarna's AI assistant, powered by @OpenAI, has in its first 4 weeks handled **2.3 m customer service chats** and the data and insights are staggering:

- Handles 2/3 rd of our customer service enquires
- On par with humans on customer satisfaction
- Higher accuracy leading to a 25% reduction in repeat inquiries
- Customer resolves their errands in 2 min vs 11 min
- Live 24/7 in over 23 markets, communicating in over 35 languages

It performs the equivalent job of 700 full time agents... read more about this below.

Cognition

AI Developer



Cognition 
@cognition_labs

Today we're excited to introduce **Devin, the first AI software engineer.**

Devin is the new state-of-the-art on the SWE-Bench coding benchmark, has successfully passed practical engineering interviews from leading AI companies, and has even completed real jobs on Upwork.

Devin is an autonomous agent that solves engineering tasks through the use of its own shell, code editor, and web browser.

When evaluated on the **SWE-Bench** benchmark, which asks an AI to resolve GitHub issues found in real-world open-source projects, Devin correctly resolves 13.86% of the issues unassisted, far exceeding the previous state-of-the-art model performance of 1.96% unassisted and 4.80% assisted.

Gen AI can

generate text & images

generate code

summarize large volumes
of information

generate synthetic data

be certain about anything

produce novel output

be unbiased

do math

Gen AI cannot

cannot
perform
analytics

GenAI

can
augment
analytics

Key features

Conducted initial research,
and plan to implement findings
23%

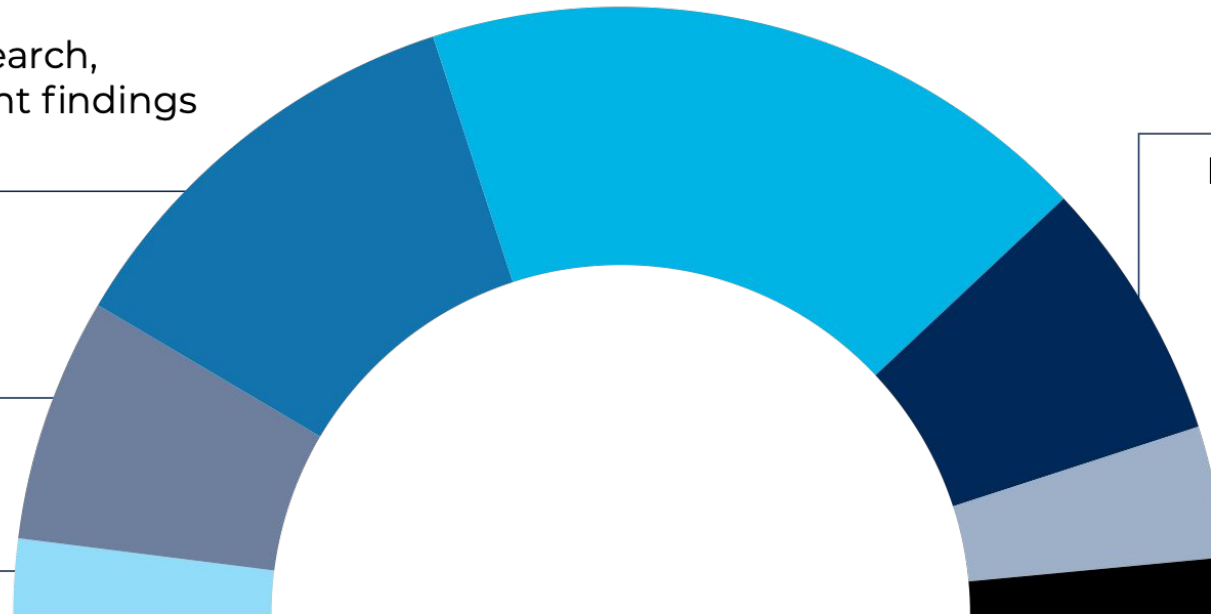
Experimented in
isolated projects

13%

Integrated into
some processes
4%

Fully integrated
across operations

n = 132



Not currently exploring
GenAI, but we plan to
7%

Conducted initial
research, and we
have no plans
to implement

3%

Not currently
exploring GenAI, and
we have no plans to

How can Gen AI accelerate data analytics?

data prep automation
data enrichment
data interpretation
conversational interfaces

data prep automation

automatically identifying and correcting inconsistencies

filling in missing values

suggesting transformations to improve data quality

leverage natural language processing to interpret and execute data cleaning tasks described in plain language

data enrichment

synthesizing additional features or data points that complement existing datasets

providing deeper insights or filling gaps in the data

utilize patterns and relationships within the data to generate relevant and contextually appropriate content

generate summaries, textual descriptions, or categorical data

data interpretation

natural language explanations
for complex data patterns

making insights more
accessible to non-experts

automatically generate reports
and visualizations that
highlight key findings and
trends within the data

facilitates a deeper
understanding of the data's
implications

conversational interfaces

assist in crafting complex data queries through natural language processing

making analytics more accessible to users without technical expertise

provide contextual explanations and visualizations for analytical findings

making data-driven insights more understandable and actionable

Boosting market intelligence with Gen AI

An independent research and consulting company compiles comprehensive reports on emerging technology trends in the automotive industry.

These reports empower product planners and strategists with the confidence and clarity necessary for making informed decisions.

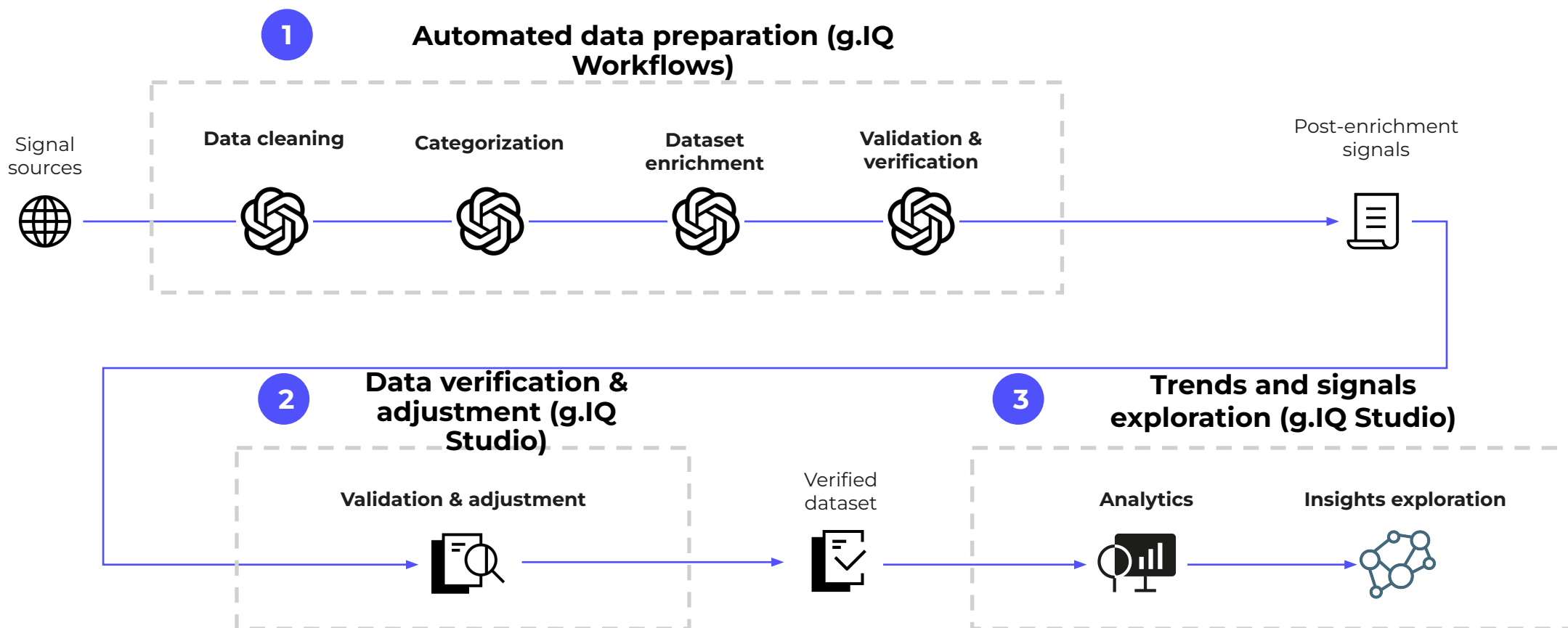
Challenges:

- Long delivery cycles (3 months)
- Low level of automation – a lot of manual work involved
- Low accuracy – many important signals are missed
- Simple keyword-based categorization of signals

Outcomes:

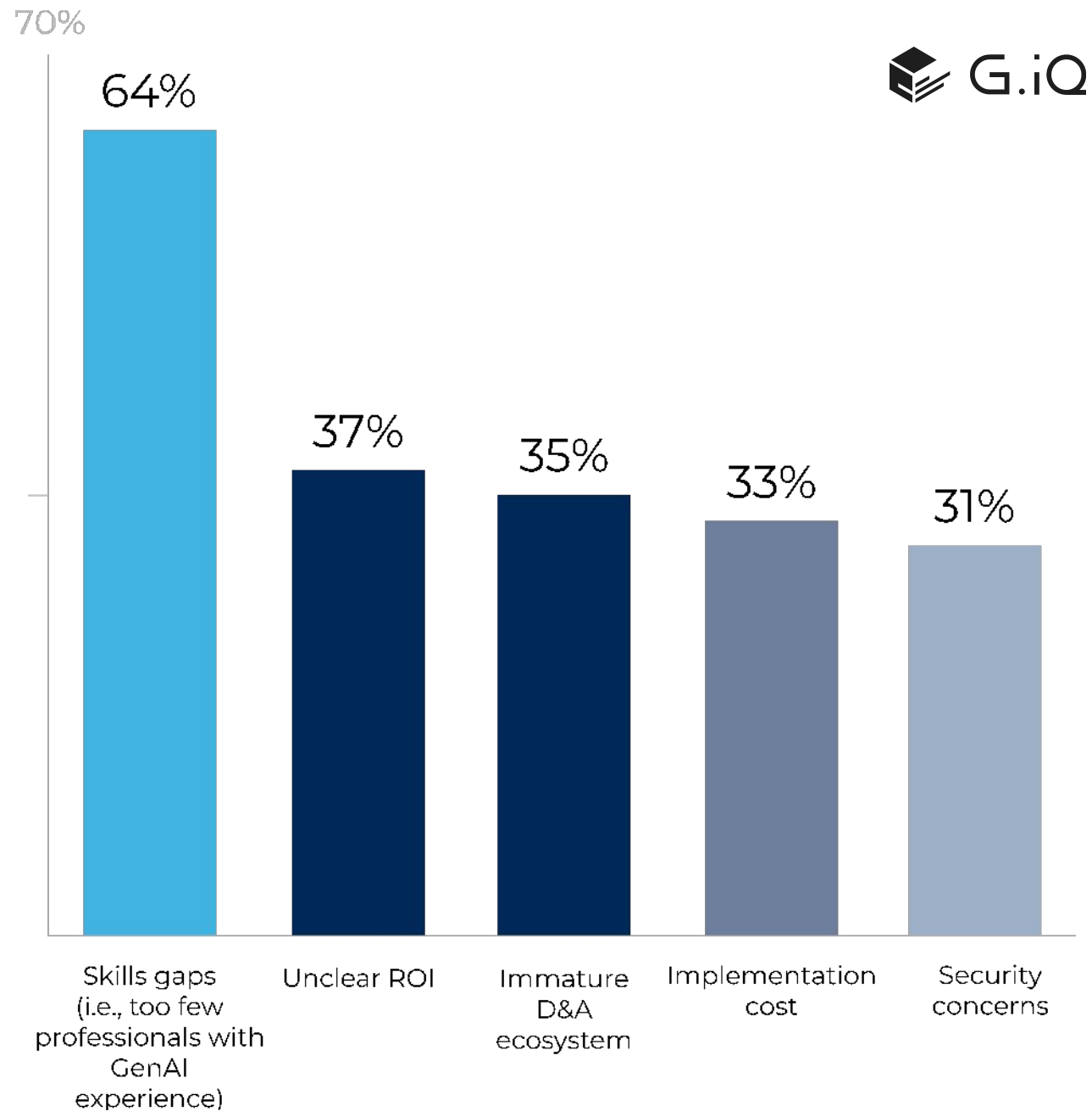
- Combining g.iQ capabilities: Gen AI automation and advanced graph analytics
- Expediting the report creation process
- Significantly enhancing the precision of technology launch signal detection

Gen AI-assisted data enrichment



Companies see skills gaps as a main barrier to adoption of GenAI in D&A

Source: Gartner 2023



AI value
realization
is difficult

Complexity of measuring AI impact

unclear business value

fuzzy scope & timeline

unpredictable costs at peak
usage

quantifying intangible results
immediate & long-term outcomes

All depends
on the

data

A short story of AI done wrong (finance data forecasting)

A global manufacturing company wants to enhance its financial forecasts for better planning and improved business adaptability.

More accurate forecast of incoming invoice payments could help optimize their budget tracking.

Approach:

- Step1: PoC - verify feasibility and potential value (how much forecast could be improved using AI)
- Step 2: Implement and productionize forecasting model
- Step 3: Extend solution to other business cases

Outcomes:

- The project total duration was over 2 years
- Forecasting accuracy was very good on historical data, but poor with production data
- Never-ending data understanding and discovery followed by model re-design and finetuning

Fail Fast, Improve Faster: Optimizing Manufacturing Test Processes

A company specializing in motion control technology is facing challenges with the efficiency of backdrive testing stations in one of their production lines.

They want to lower rejection rates and boost the efficiency of the testing process.

Approach:

- Use data from preceding stations to dynamically fine-tune the operational parameters of backdrive machines
- Implement an AI-driven automated solution that brings tangible benefits

Outcomes:

- Quickly identify gaps in the approach by using associative graph algorithms in g.IQ
- Quality and completeness of the input data collected from the testing stations is insufficient
- Avoiding unnecessary costs of iterative ML process

Transform Data into Wisdom

Draw insights. Take actions.



Booth #10

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