9 Structured Data Examples for Generative AI

CRM Data → Personalized Sales Emails

Goal: Generate tailored outreach emails for leads.

1. Export structured CRM data (e.g., name, company, industry, last contact).
2. Ensure fields are complete and consistent (e.g., no missing names).
3. Group leads by industry, deal stage, or region.
4. Create email templates with placeholders (e.g., "Hi {FirstName}...")
5. Let AI generate personalized emails using the structured fields.

Product Catalog → AI-Powered Descriptions

Goal: Automatically write product descriptions.

1. Use structured product data (e.g., name, features, specs, price).
2. Standardize units, fix typos, and fill missing fields.
3. Categorize by product type or use case.
4. Feed structured data into a prompt template.
5. Generate consistent, SEO-friendly product descriptions.

Employee Directory → AI Org Chart Narratives

Goal: Generate summaries of team structures.

1. Use structured HR data (e.g., name, title, manager, department).
2. Ensure reporting lines and titles are accurate.
3. Create a hierarchy or org chart structure.
4. Use AI to describe team roles and relationships.
5. Generate onboarding guides or leadership summaries.

Financial Reports → AI Summary Generator

Goal: Summarize financial performance for executives.

1. Use structured data from financial systems (e.g., revenue, costs, KPIs).
2. Validate numbers and ensure consistent formats.
3. Add historical or benchmark data.
4. Ask AI to summarize trends, risks, and highlights.
5. Generate executive summaries or board reports.

Survey Results → AI Insights Report

Goal: Turn survey data into readable insights.

1. Use structured survey data (e.g., Likert scores, comments).
2. Remove incomplete or duplicate responses.
3. Group by demographics or question themes.
4. Ask AI to summarize key findings and patterns.
5. Create reports or presentations for stakeholders.

Support Ticket Logs → AI FAQ Generator

Goal: Build a dynamic FAQ from support data.

1. Use structured ticket data (e.g., issue type, resolution, tags).
2. Remove duplicates and irrelevant tickets.
3. Cluster by common issues or keywords.
4. Ask AI to generate Q&A pairs from each group.
5. Publish as an internal or customer-facing FAQ.

Inventory Data → AI Reorder Suggestions

Goal: Help teams decide what to restock.

1. Use structured inventory data (e.g., item, quantity, reorder level).
2. Ensure all items have current stock and thresholds.
3. Identify low-stock or fast-moving items.
4. Ask AI to recommend reorder actions.
5. Generate reorder lists or supplier emails.

LMS Data → AI Learning Paths

Goal: Recommend personalized training for employees.

1. Use structured LMS data (e.g., completed courses, scores, roles).
2. Remove outdated or irrelevant records.
3. Group by job role, skill level, or department.
4. Ask AI to suggest next best courses.
5. Generate personalized learning plans.

Website Analytics → AI Content Strategy

Goal: Use AI to suggest new content ideas.

1. Use structured analytics data (e.g., page views, bounce rate, keywords).
2. Filter out bot traffic and irrelevant pages.
3. Identify top-performing and underperforming content.
4. Ask AI to suggest new topics or improvements.
5. Build a content calendar or SEO plan.