Transform Your Business Intelligence with Generative AI Tools 🚀

Discover AI-Powered Solutions for Every Stage of BI – From Data Prep to Decision-Making

RAW DATA

EXTRACT

TRANSFORM

LOAD

DATA WAREHOUSE

FORECASTING

Predicting FUTURE customer behaviour

bell curve

Useful

i

BUSINESS INTELLIGENCE

DATA MINING
Searching for hidden patterns

012012
012012
012012

Decision-making support

Improve STRATEGY

This way

That way

Spot NEW

Graphical ANAL

QUERY & REPORTING

1. Data Preparation & Cleaning

Automate the tedious process of data cleaning, wrangling, and preparation with AI.

Tools:
- **Trifacta**: AI-powered data wrangling and preparation.
- **DataRobot**: AutoML platform with data preparation functionalities.
- **Alteryx**: Generative AI-assisted data preparation.

2. Data Analysis & Visualization

Generative AI helps generate complex data analysis and build meaningful visualizations in seconds.

Tools:

- **Tableau with Ask Data:** Natural language queries for data analysis.
- **Power BI with Copilot:** AI-powered insights generation.
- **ThoughtSpot:** Search and AI-driven analytics for deeper insights.

3. Predictive Analytics & Forecasting

AI can automate and enhance forecasting accuracy by analyzing historical data patterns.
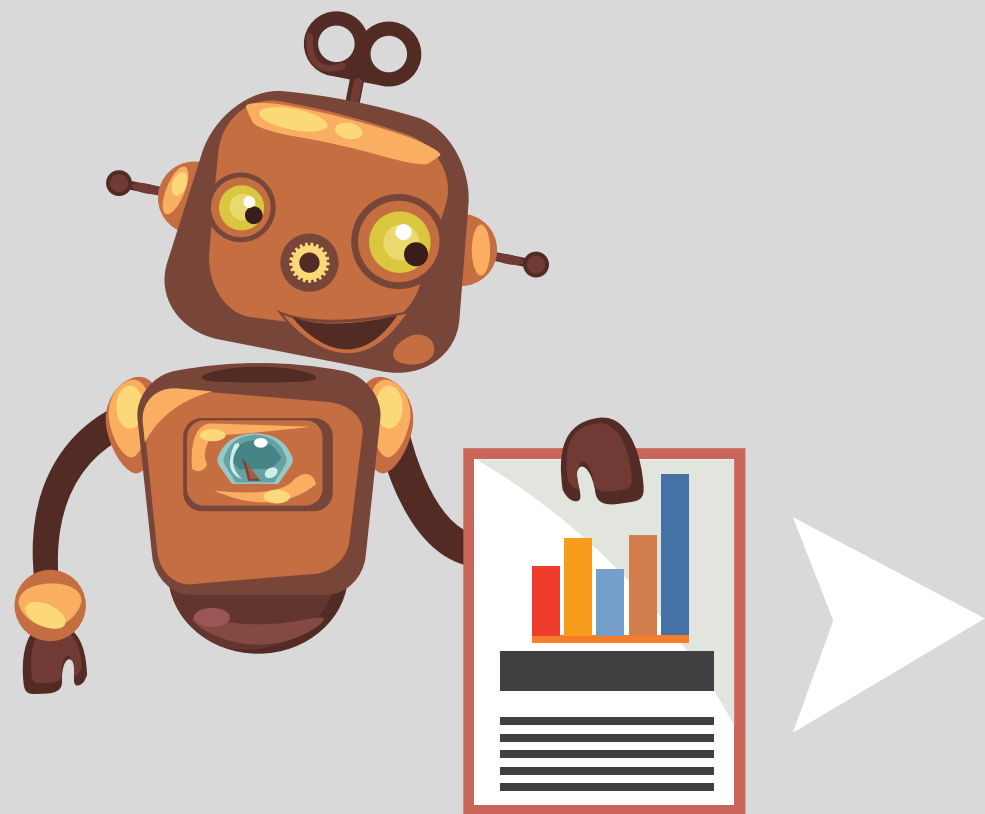
Tools:

- **H2O.ai:** Open-source AI platform for predictive analytics.
- **Google Vertex AI:** AutoML for forecasting and predictions.
- **IBM Watson Studio:** Automated model building for predictive insights.

4. Automated Reporting & Dashboards

Automatically generate insightful reports and dashboards without manual intervention.

Tools:
- **Narrative Science (acquired by Salesforce):** Automatically generate reports from data insights.
- **Qlik with Insight Bot:** AI-generated conversational insights and reports.
- **Power BI Auto Insights:** Automated insights and reporting.

5. Natural Language Processing (NLP) for BI

No more complex SQL queries! Generative AI allows you to ask questions and get answers in natural language.

Tools:

- **Power BI with Copilot:** Natural language querying to get insights.
- **Tableau Ask Data:** Conversational AI for insights from data.
- **ThoughtSpot:** Search-based analysis with natural language processing.

6. Real-Time Automated Insights

Receive real-time insights and alerts on KPIs without constantly monitoring dashboards.
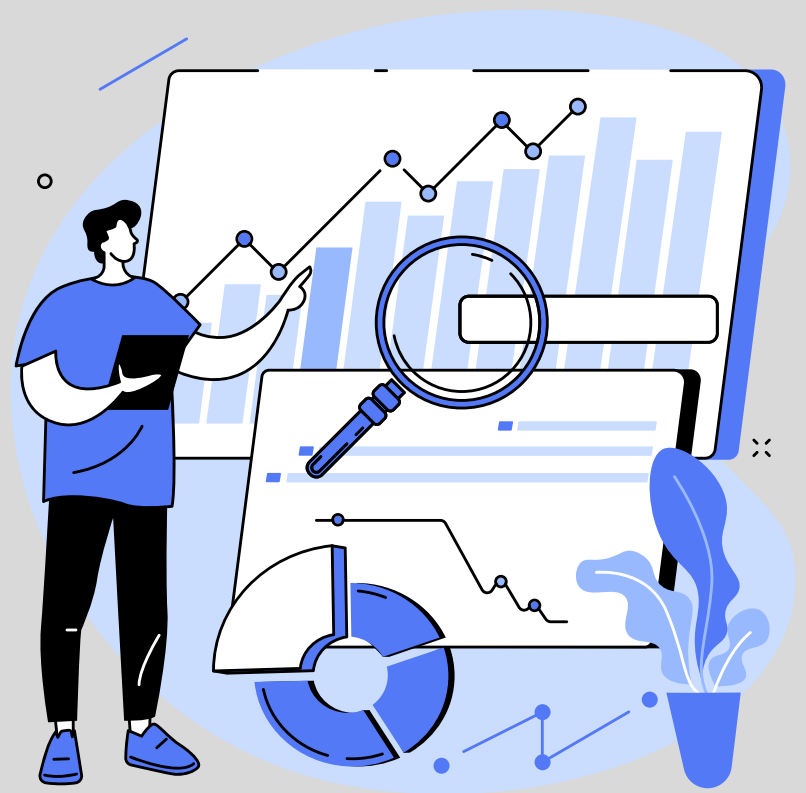
Tools:
- **Sisu Data:** Automated root cause analysis and anomaly detection.
- **Amazon QuickSight with ML Insights:** AI-powered alerts and predictive insights.
- **Yellowfin Signals:** Automated insights detection.

7. AI-Driven Decision Support

Get decision support and strategic recommendations based on your data, powered by Generative AI.
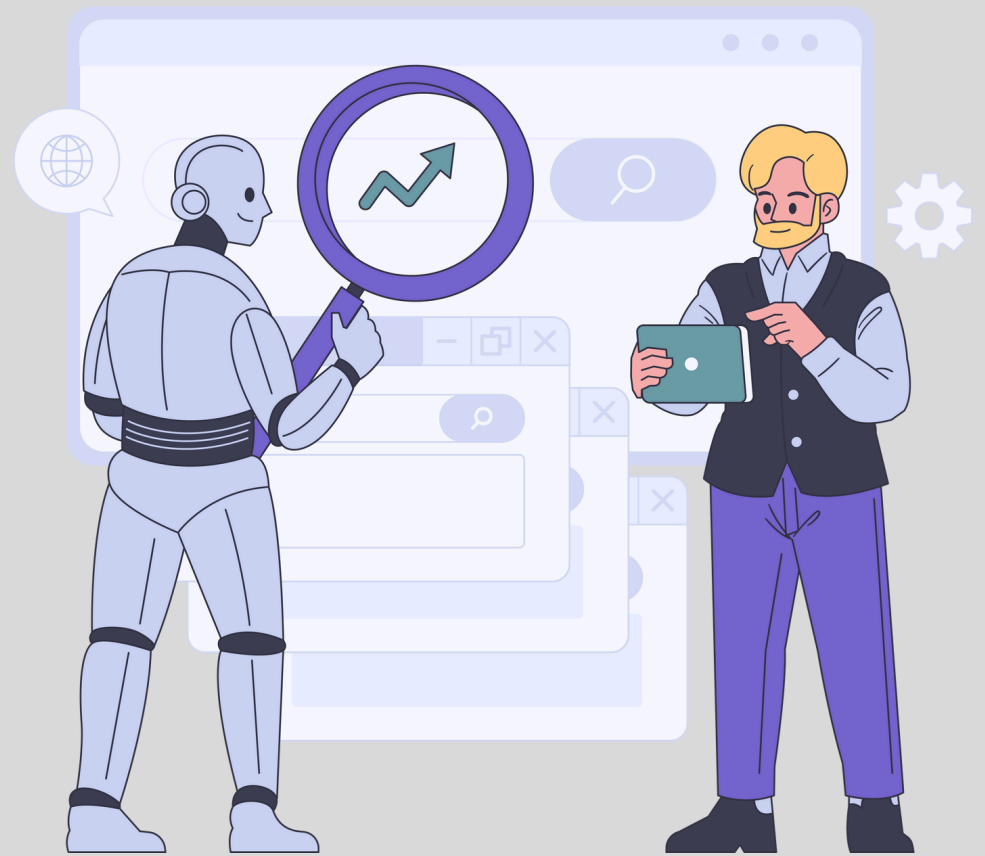
Tools:
- **Aible:** AI that provides recommendations based on business objectives and data insights.
- **DataRobot:** Predictive models that offer decision-making recommendations.
- **Tecton:** Operational AI for decision automation.

Generative AI: The Future of BI

By integrating Generative AI into your BI stack, you can speed up insights, reduce manual effort, and make smarter decisions

Which tools are helping you enhance your Business Intelligence workflow? Let's share in the comments!

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