



QPR PARTNER WEBINAR

Driving Agentic AI with Process Mining



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ANALYTICS

Driving Agentic AI with Process Mining

Wednesday 14 May
11 a.m. EDT

Duration:
30 minutes + Q&A

1. Cognitio Analytics Introduction

2. Process Mining

3. Agentic AI

4. Live Demo

5. Q&A Session (15 min)

Cognitio Analytics: Overview



10 Years

Hands-on Experience
for Fortune 500 clients



Focus on **Banking,
Insurance, & Health Care
Services**



BPIC Winner

Won Process Mining Award
in 2012 & 2018



20+

Process Mining Projects
in Banking & Insurance



Powerful Combination

of Big Data Analytics, Domain
Expertise, & Technology Skills

Process Mining Success Stories

Commercial Loan Underwriting,
Closing & Servicing

Home Mortgage Loan
Origination

Agriculture Loan

Customer Onboarding
in Retail Banking

Home Mortgage Loan
Processing

Auto Damage Claim
Processing

Workers Compensation
Claim Handling

Agent Behavior
& Activities

Clinical Variation
Study



Worked with **Fortune 50** companies in the US, as well as **mid-sized banks** and insurance companies in the US and in Europe. Having applied 8 different process mining tools, Cognitio Analytics is tool-agnostic and customer-centric.

Providing AI / ML Driven Productivity Solutions



Digital
Transformation



Operations
Intelligence
Engine

Customer
Journey
Analytics

Optimized
Processes



Intelligent Operations



Maximizing
Productivity

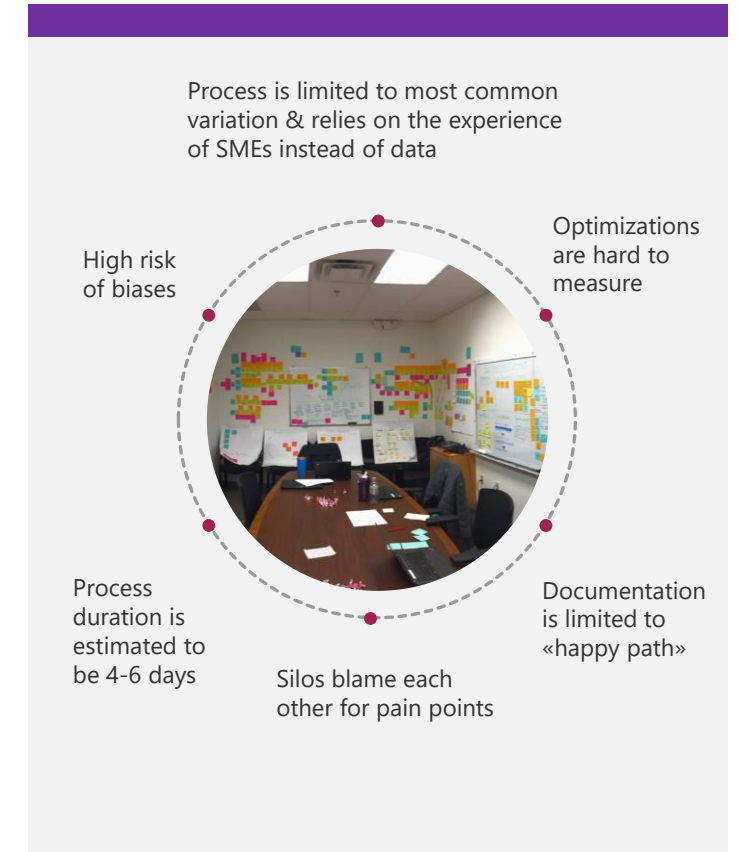


Smart Operations Solutions



Traditional Process Discovery and Redesign Methods

Traditional methods of process discovery are labor-intensive and provide limited transparency and unreliable metrics

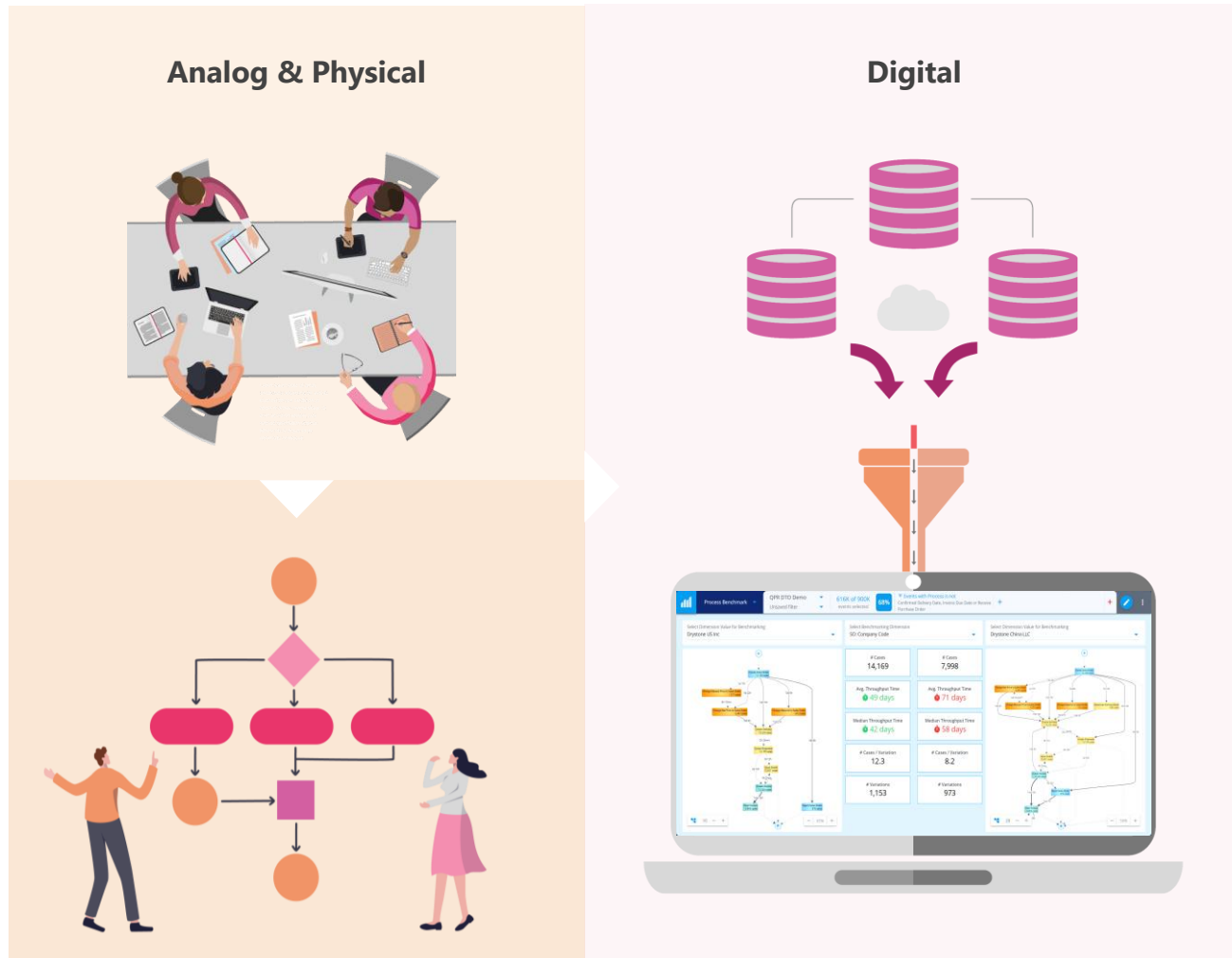


Example: Centralized Loan Application Processing



Process Analytics Utilizing AI Tools

Finding Your Way Around in Business: Operations GPS



PM and TM Tools help to:

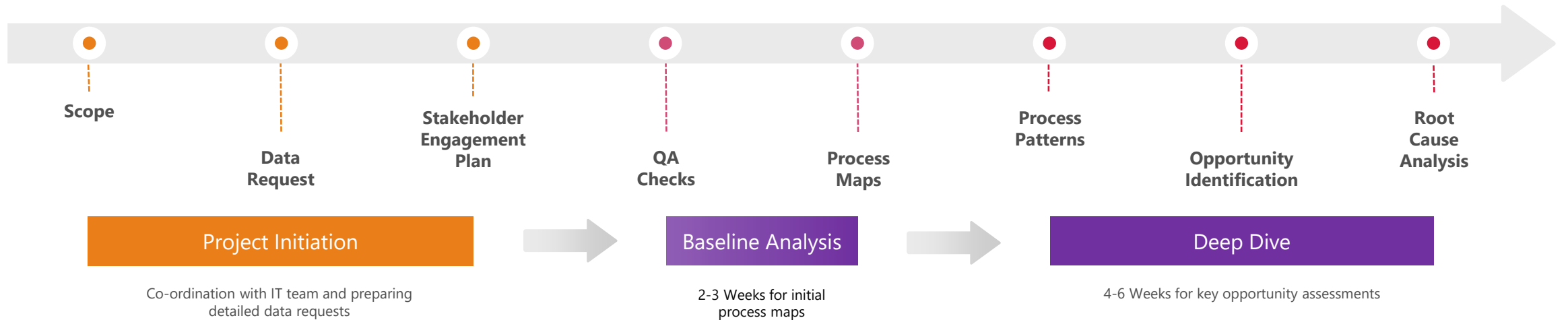
- Facilitate rapid process discovery based on actual data
- Reduce manual bias (recency effect, personal experience bias, etc.) by bringing a data driven approach
- Enable prioritization based on quantification of opportunities
- Allow for continuous monitoring and improvement of processes

Process Mining Data Requirements and Timelines

All enterprise source systems capture digital footprints of a process



Engagement Timelines:



Process mining value realization model

What are the
business
benefits?

INCREASE PROFITS

RUN

GROW

PROTECT

Save Costs

Increase sales

Ensure compliance

How to utilize process
mining to create
business value?

Improved processes

Fixed cases

Process improvement initiatives

Operative
corrective actions

BPI (Lean, 6σ)

Automation,
RPA

Compliance

IT system
development

Intelligent
orchestration

What does
process mining
deliver?

Findings with root causes

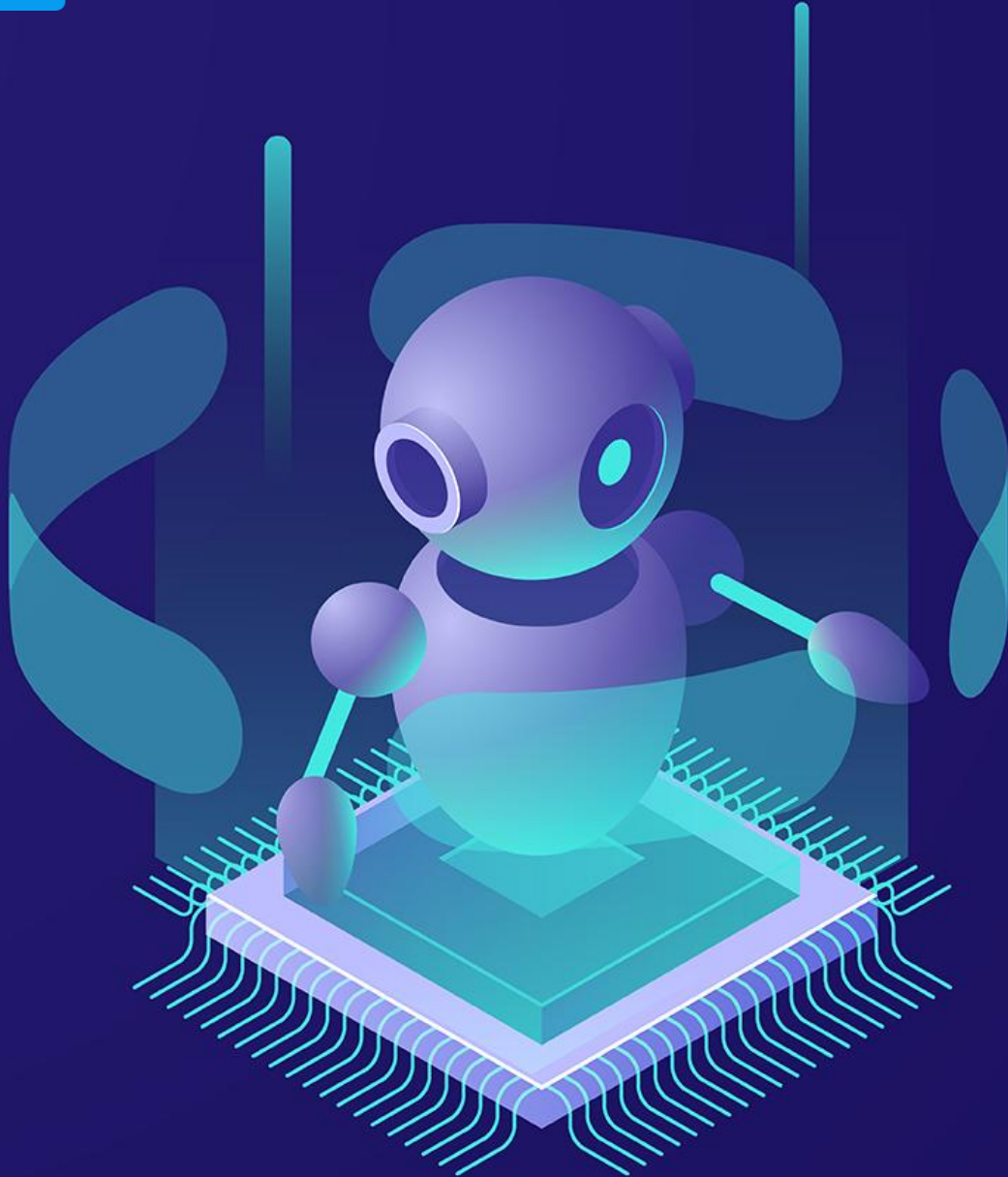
Problematic cases

Fact-based transparency to as-is process execution



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WHAT IS AGENTIC AI?

Agentic AI refers to AI Agents that can make decisions and take actions autonomously to achieve specific goals

Source: Gartner

How Process Mining Empowers AI Agents?



Grounds AI in Reality

Process mining feeds AI with real process data — no assumptions, just facts.

→ AI makes decisions based on actual business operations.



Teaches AI to Improve

AI learns from inefficiencies, bottlenecks, and best practices.

→ Smarter decisions, continuously improving.



Without Process Mining?

AI operates blindly.

→ It works, but not at full power.



AI AGENT DEVELOPMENT

- Identify where AI agents can be used
- Fix and streamline processes before applying AI
- Give AI agents deep process understanding



PROCESS IMPROVEMENT

- AI agents assist in finding issues and improvement areas
- Support with root cause analysis and smart recommendations



REAL-TIME DECISION SUPPORT

- Detect and prevent failures early
- Recommend next steps based on real-time and historical data



LIVE DEMO

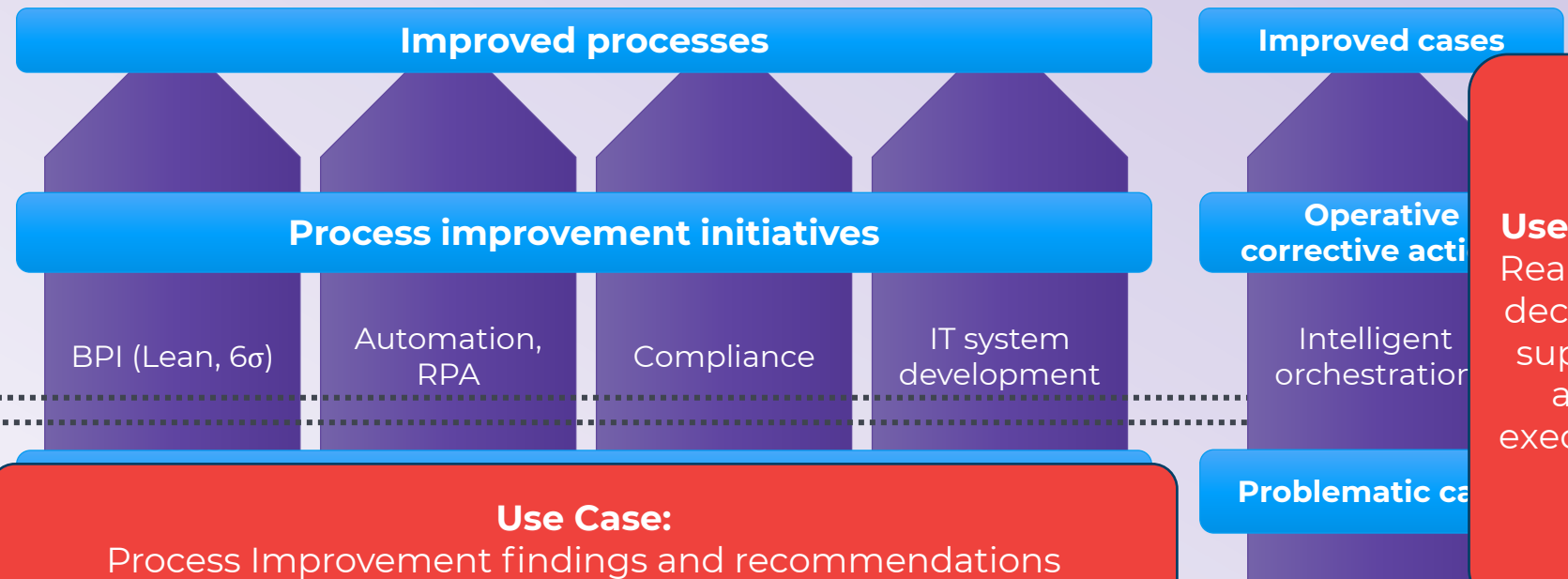
Example QPR ProcessAnalyzer AI Agents



What are the business benefits?



How to utilize process mining to create business value?



What does process mining deliver?



QPR ProcessAnalyzer AI Agent – Key Highlights



💡 What It Is

- LLM-powered feature in QPR ProcessAnalyzer
- Analyzes data and delivers text-based insights

⚙️ How It Works

- Uses *ready-made presets* to analyze processes
- Easy to configure

📊 Out-of-the-Box Presets

- Process Lead Time
- Process Variation

The screenshot displays the 'AI Agent' interface with a sidebar menu and a main content area. The sidebar menu includes options like 'Blank Chart', 'General Analyses', 'Durations and Time Trends', 'Process Flow', and 'Advanced and AI Analyses'. The 'Advanced and AI Analyses' section is expanded, showing various analysis types, with 'AI Agent: Process Lead Time' highlighted. The main content area shows the 'Process Lead Time Analysis' report, which includes a reminder to apply filters, a list of findings, and recommendations.

AI Agent

Presets General Layout Filter

Advanced

- Blank Chart
- General Analyses
- Durations and Time Trends
- Process Flow
- Advanced and AI Analyses
 - Root Causes for Attributes
 - Root Causes for Attributes (table)
 - Root Causes for Attributes (weighted)
 - Root Causes for Attributes (detailed ...)
 - Clustering Cases
 - AI Agent: Process Lead Time**
 - AI Agent: Process Variations
- Automation
- Operational Excellence
- Compliance

Process Lead Time Analysis

Reminder: Apply filters to the data to focus on specific time periods, case types, or other relevant criteria to gain more insights.

Findings:

- Average Case Lead Time:** The average case lead time is 101 days, with a median of 83.2 days. This indicates a relatively long lead time, with a significant variance (standard deviation of 73.4 days).
- Lead Time Trend:** The case lead time trend shows a significant decrease in lead time from June 2022 to January 2023, with an average lead time of around 80-90 days. However, there is a slight increase in lead time from February 2023 onwards.
- Case Lead Time Distribution:** The distribution of end-to-end case lead times shows that 80% of cases take less than 130.5 days, while 20% of cases take longer than 130.5 days.
- Event Repetition Impact:** Cases with repeated events have longer lead times, with an average lead time of 123.8 days for cases with 3 repeated events.
- Event Type Count Impact:** Cases with 7 event types have the shortest average lead time (57.1 days), while cases with 4 event types have the longest average lead time (148.1 days).

Recommendations:

- Optimize Process Steps:** Analyze the process steps to identify bottlenecks and opportunities for optimization, focusing on reducing the average lead time.
- Standardize Process:** Implement standardization measures to reduce variance in lead times, aiming for a more consistent process performance.
- Monitor Event Repetition:** Investigate the causes of repeated events and implement measures to minimize repetition, which can lead to longer lead times.
- Streamline Event Types:** Review the event types and simplify the process by reducing the number of event types, aiming for a more efficient process.
- Continuous Monitoring:** Regularly monitor the lead time trend and distribution to ensure that process improvements are effective and sustained over time.



Q&A



WEBINAR OFFER

Complimentary 1 hour Demo with Your Own Data

 Book a meeting to start your journey

🤝 Ready to start? Get in touch today



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Thank you!