



# Cognitive Spend Analytics



Enhance spend visibility classification with AI-driven capabilities to provide actionable insights on cost reduction

## Overview

Cognitive Spend Analytics monitors invoices in real-time across product, vendor, and regional landscapes, while automatically classifying the spend. When a single or collective spend crosses a threshold, an automated exception is raised, identifying the spend category or transaction. The system also provides the ability to analyze spend over multiple dimensions, and drill down to transaction-level details.

## Features

TBD

TBD

TBD

Automated classification reduces manual effort, and helps identify patterns, improving over time with classification algorithms and spend data.

Classifies and re-classifies spend based on natural text processing that identifies key invoice data points and predicts the spend category.

Visualizes spend patterns and provides ability to drill down to transaction-level details from aggregated spend categories



Improve operating margin by providing spend insights



Flag non-standard procurement behavior by identifying non-preferred vendors and off-catalogue purchases



Improve procurement team's ability to identify and update product catalogue and vendor contracts



Analyze spend by 'Top N' vendors and 'Top N' categories



Perform trend analysis of global spend across customizable time periods



Analyze spend across multiple dimensions: vendor, product group, vendor attributes, org attributes, and regions



Explore price optimization opportunities for items purchased at different prices at different locations, from the same or different vendors

## Industries

Cross Industry

## Functions

Supply network

## Processes

Intelligent supply  
Procurement  
Spend

## Innovations leveraged

Real time processing  
Natural language/Text classification  
SAP S/4HANA®

Real-time spend classification and insights  
Dashboarding across multiple dimensions  
Exception and drill-down capabilities

For more information or to discuss a specific challenge your organization is facing, contact [SAP@deloitte.com](mailto:SAP@deloitte.com)