

FINANCIËEL CAFÉ

AI IN FINANCE | 28 MAART 2024 | KEYNOTE 1

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```
user != "bye"):
    word_found = False

    for index in range(len(keywords)):
        if keywords[index] in user_input:
            print("Bot: " + response)
            word_found = True

    if not word_found:
        _keyword = input("I'm sorry, I don't understand that. Please try again.")
        keywords.append(_keyword)
        _response = input("How would you like to respond?")
        responses.append(_response)

    user_input = input("Say something")
    user_input = user_input.lower()
```

AI?

INTRODUCTIE

Chris Vinke



Automation Expert
Bioloog
Onderwijzer
Organisator
Keynote speaker



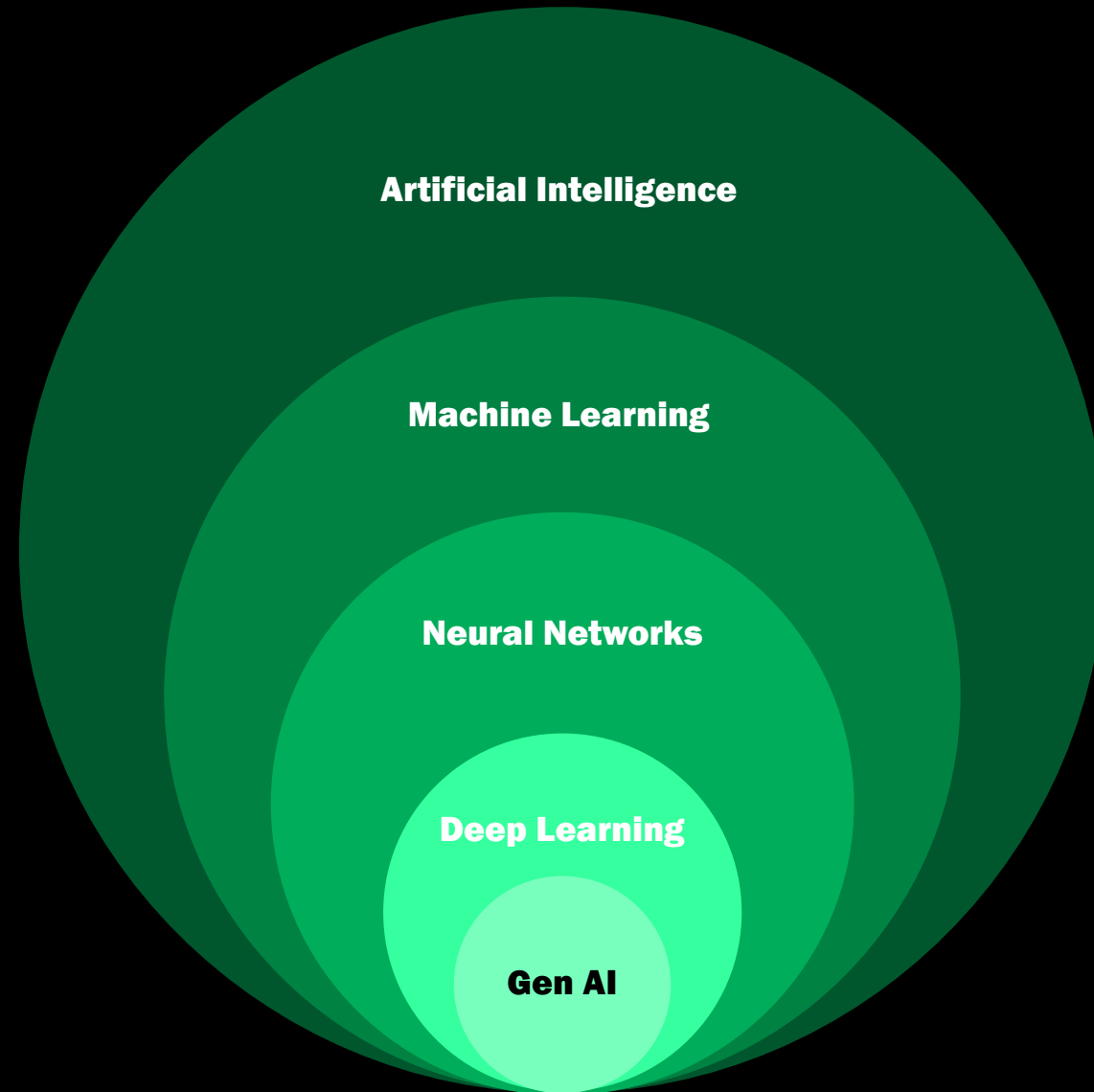
AGENDA

- 1 **Introductie**
- 2 **Status**
- 3 **Heatmaps**
- 4 **Voordelen**

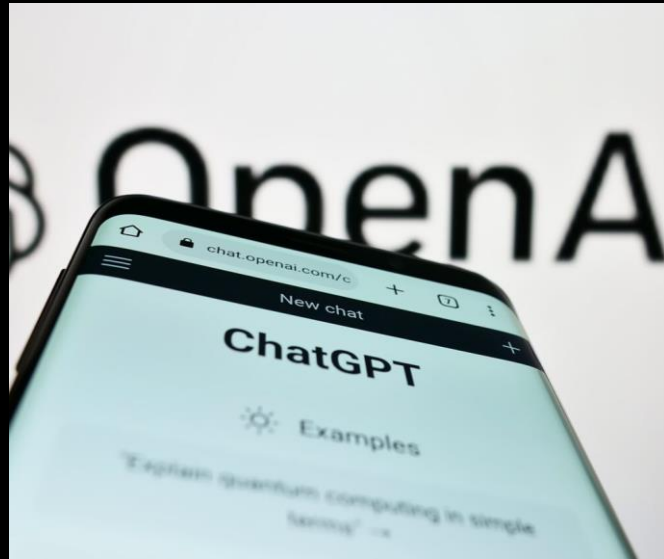
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KUNSTMATIGE INTELLIGENTIE



GEN AI



chat.openai.com



midjourney.com

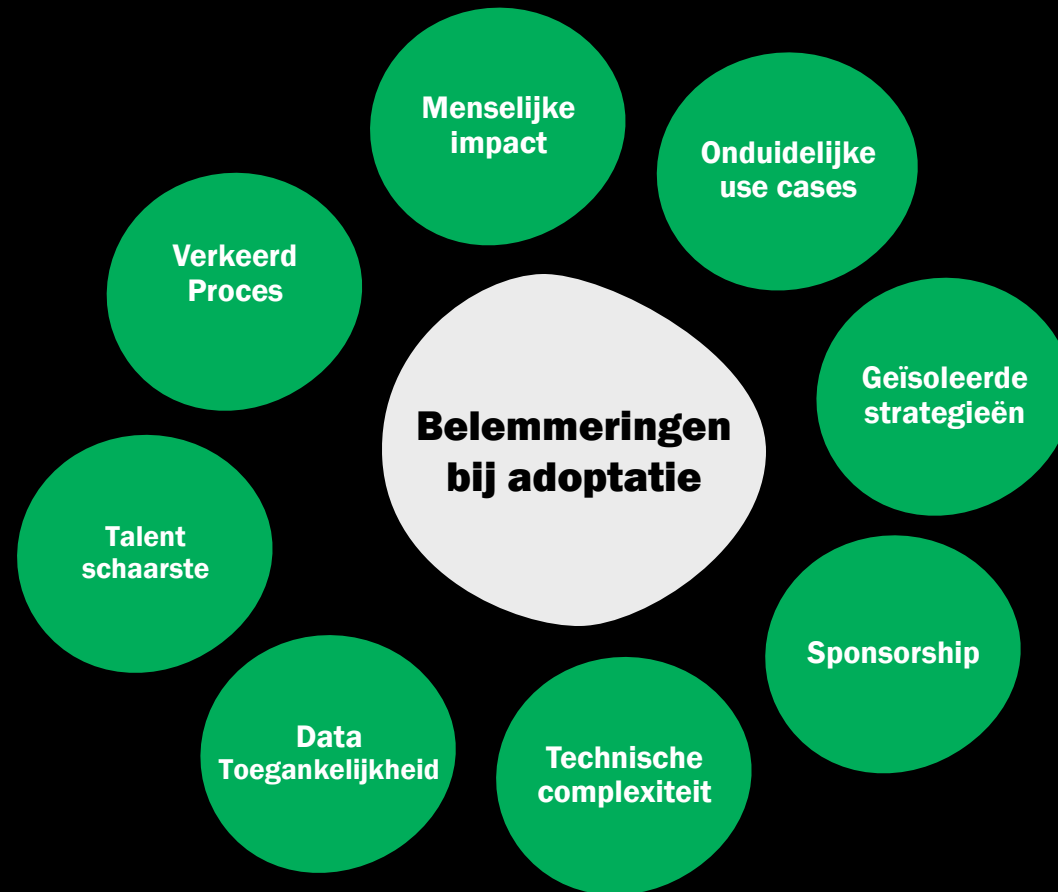
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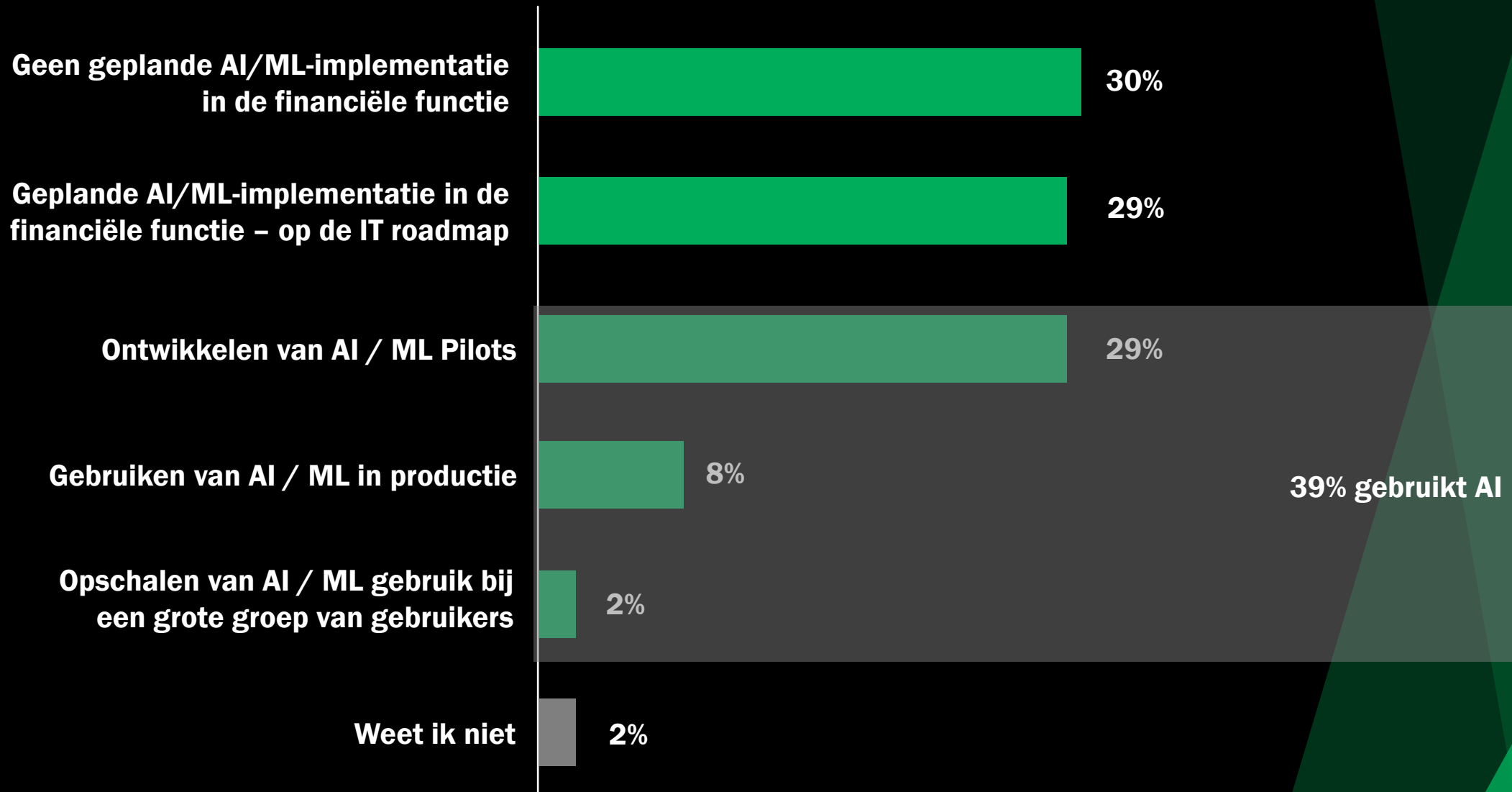
VERDER GAAN DAN HET IDEE



BELEMMERINGEN



HET GEBRUIK BINNEN FINANCE



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FINANCE & ACCOUNTING PROCES HEATMAP

Overzicht

Purchase to Pay

Order to Cash

Record to Report

General Accounting

Treasury

Fixed Asset Accounting

Manage Procurement activities	Customer setup and Contract	Planning and Management accounting	Manage Policies and Procedures	Manage Treasury Process and Procedures	Perform Capital Planning and Approval
Purchase Goods and Services	Assess and manage credit	General accounting and reporting	Perform General Accounting	Manage Cash	Perform Capital Project Accounting
Receive Goods and Services	Quote to order process	Fixed asset project accounting	Perform Fixed Asset Accounting	Manage In-House Bank Accounts	
Process Invoices	Order fulfillment	Payroll accounting	Perform Finance Reporting	Manage Debt and Investments	
Process Payment	Invoice customer / Account Payable	FP&A	Tax	Manage Risk and Hedging Strategy	
Generate reports	Accounts receivables	Reports & Analysis	Develop Tax Strategy		
	Manage cash	Budgeting & Forecasting	Process Tax		

FINANCE & ACCOUNTING PROCES HEATMAP

Purchase to Pay

Manage Procurement Activities

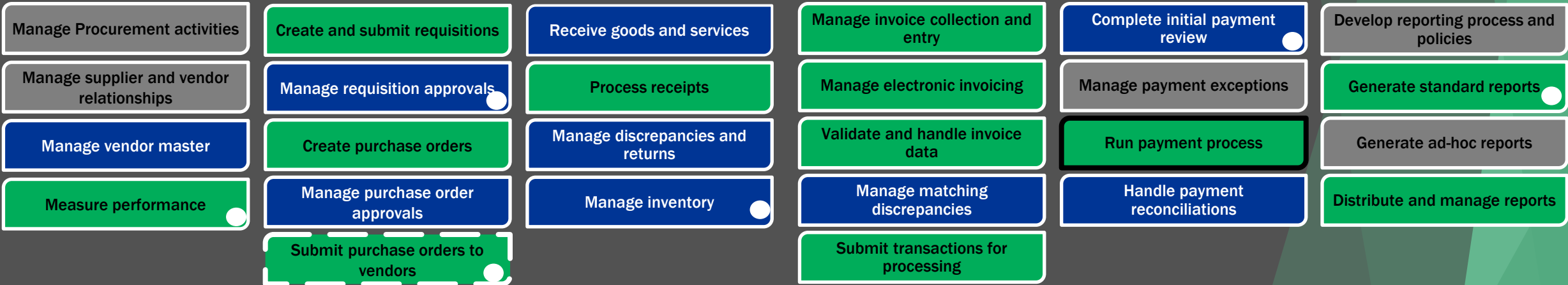
Purchase Goods and Services

Receive Goods and Services

Process Invoices

Process Payment

Generate Reports



High Automation Potential
 Medium Automation Potential
 Low Automation Potential
 Attended Robot Potential

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VOORDELEN VAN AI BINNEN FINANCE



**Audit
Compliance**



**Nauwkeurigere
rapportage**



**Verbeterd
crediteuren proces**



**Geen handmatige
gegevensinvoer meer**



**Betere relaties
met leveranciers**



**Kosten
besparingen**

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ACCOUNT PAYABLE | GEAUTOMATISEERDE FACTUREN

Diverse facturen werden niet binnen de gestelde tijd behandeld.



Uitdaging

- ✓ *Veel variatie*
- ✓ *Fouten*



Oplossing

Door middel van OCR werden de facturen uitgelezen en voor het interpreteren werd NLP gebruikt. Hierna werd er door een RPA script de taken snel uitgevoerd.



Voordelen & Resultaten



Verhoogde snelheid en efficiëntie



Minder fouten



Auditable

FINANCE & ACCOUNTING PROCES HEATMAP

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Customer setup and Contract

Planning and Management accounting

Manage Policies and Procedures

Manage Treasury Process and Procedures

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Fixed asset project accounting

Perform Fixed Asset Accounting

Manage In-House Bank Accounts

Process Invoices

Order fulfillment

Payroll accounting

Perform Finance Reporting

Manage Debt and Investments

Process Payment

Invoice customer / Account Payable

FP&A

Tax

Manage Risk and Hedging Strategy

Generate reports

Accounts receivables

Reports & Analysis

Develop Tax Strategy

Manage cash

Budgeting & Forecasting

Process Tax

FINANCIËLE PLANNING EN ANALYSE | GEAUTOMATISEERDE RAPPORTAGES

Diverse rapporten werden niet allemaal binnen de gestelde tijd behandeld. Door de te hoge werkdruk en een beperkte data strategie was het bedrijf op zoek naar een schaalbare oplossing



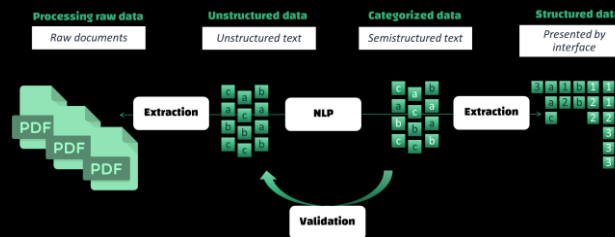
Uitdaging

- ✓ *Veel variatie in de terugkoppeling*
- ✓ *Lagere kwaliteit bij hogere aantallen*



Oplossing

Door middel van het uitlezen met OCR en hierna het interpreteren van de documenten met NLP werd de oplossing snel tot stand gebracht



Voordelen & Resultaten



Verhoogde snelheid en efficiëntie - van 6 minuten naar 6 seconden per casus



Verlaagde foutclassificatie met 40%



Bewustwording van gebruik

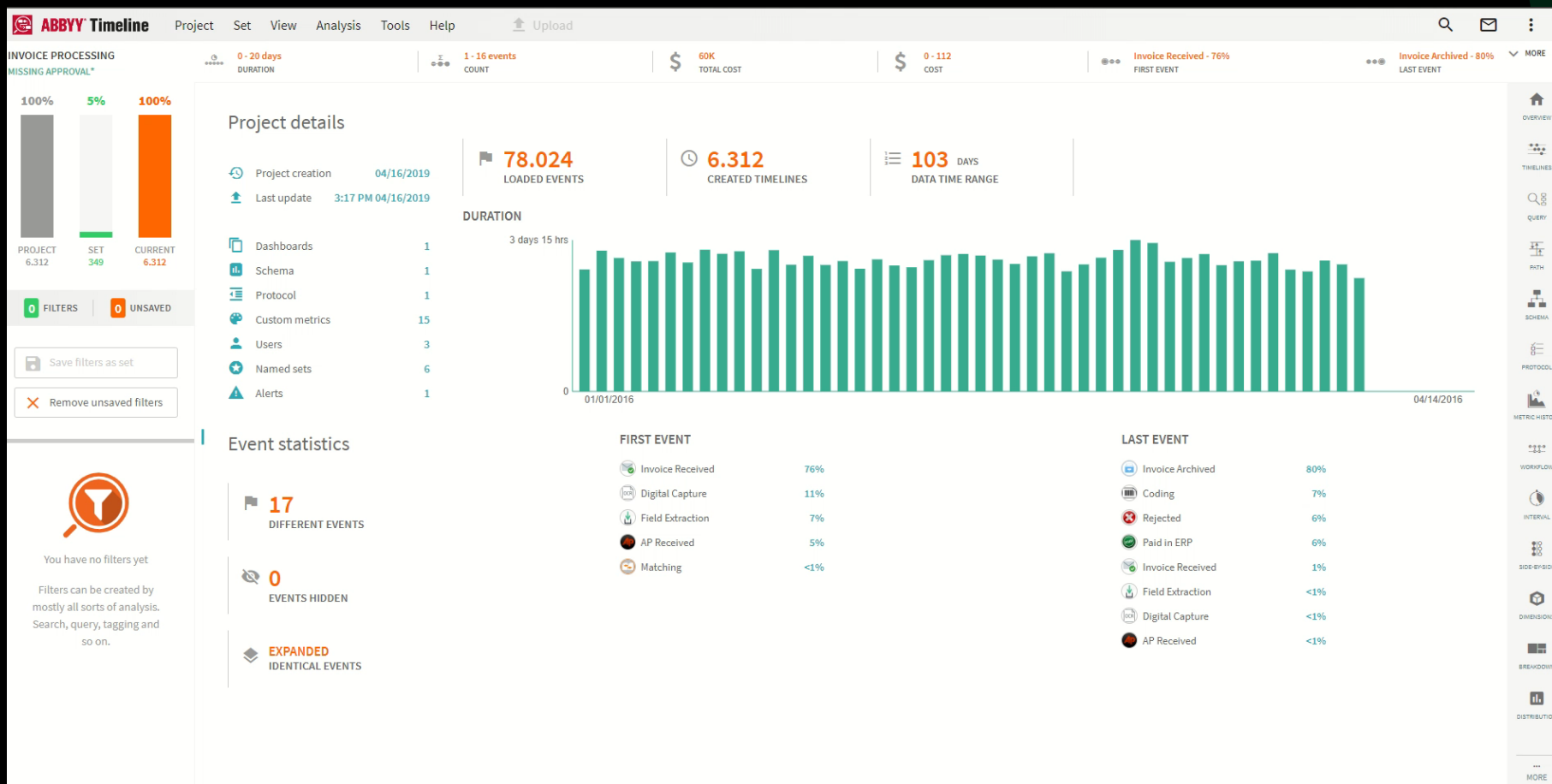
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PROCESS INTELLIGENCE | DEMO



PROCESS INTELLIGENCE | VOORBEELD

Totaaloverzicht



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AI in Finance

Σ ∨ 🔍 ∨ Copilot for Finance

Northwind Traders Cash flow forecast

	2/1/2024	3/1/2024	4/1/2024	5/1/2024	
Actual	Forecast	Forecast	Forecast	Forecast	
\$	28,567,057	\$ 29,051,103	\$ 30,070,388	\$ 24,934,504	\$ 17,387,133
\$	6,297,544	\$ 7,053,249	\$ 2,211,727	\$ 3,351,033	\$ 2,374,627
\$	6,857,213	\$ 6,297,544	\$ 136,173	\$ 6,929,477	\$ 1,418,492
\$	5,043,858	\$ 1,023,144	\$ 3,120,350	\$ 2,283,242	\$ 4,443,671
\$	2,044,802	\$ 1,635,842	\$ 7,248,951	\$ 1,170,729	\$ 1,283,643
\$	5,812,568	\$ 2,044,802	\$ 150,885	\$ 3,953,341	\$ 2,573,561
\$	2,511,073	\$ 2,414,493	\$ 3,455,110	\$ 3,890,159	\$ 5,293,139
\$	25,164,531	\$ 24,741,141	\$ 20,239,536	\$ 20,753,235	\$ 25,414,047
\$	988,806	\$ 950,775	\$ 393,665	\$ 1,301,347	\$ 785,597
\$	1,054,967	\$ 1,107,715	\$ 1,339,487	\$ 925,661	\$ 1,881,836
\$	907,969	\$ 873,047	\$ 1,286,271	\$ 1,226,480	\$ 1,573,157
\$	511,754	\$ 492,071	\$ 325,931	\$ 1,151,418	\$ 393,953
\$	1,458,221	\$ 1,402,136	\$ 43,536	\$ 172,190	\$ 1,492,913
\$	1,210,106	\$ 1,163,563	\$ 1,499,784	\$ 1,629,730	\$ 1,721,656
\$	1,629,287	\$ 1,710,751	\$ 1,203,142	\$ 1,436,881	\$ 500,920
\$	143,228	\$ 137,719	\$ 65,387	\$ 891,949	\$ 1,522,106
\$	1,382,503	\$ 1,329,330	\$ 115,481	\$ 616,712	\$ 1,172,743
\$	1,028,919	\$ 1,080,365	\$ 408,070	\$ 192,987	\$ 1,623,956
\$	1,019,329	\$ 1,070,295	\$ 1,549,957	\$ 189,200	\$ 533,568

Copilot for Finance

Analyze variances

Create summary report

Selected criteria and variances

Criteria

February forecast varies from actuals more than 10%

Variances

2 pairs of variances have been identified that match this criteria.

E9 F9

The variance of \$755,705, representing an approximately 12% decrease. Washington state sales was \$505,685 resulting in the biggest impact to actuals and driving difference to forecast. The second biggest contributor was Oregon.

E12 F12

AI-generated content may be incorrect

Edit summary Regenerate

Criteria

Incoming customer payments: Forecast vs actual

Variances

1 pair of variances has been identified that match this criteria.

E10 F10

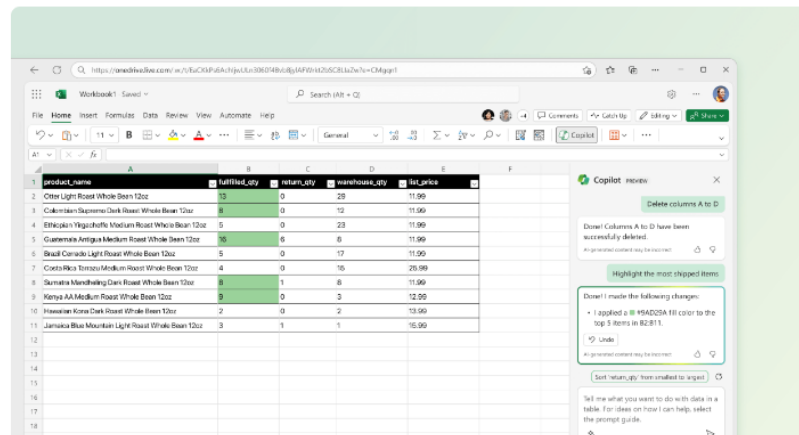
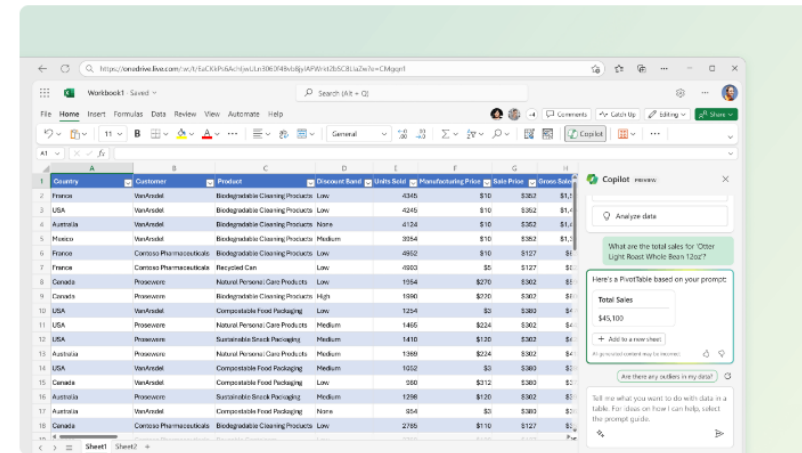
AI in Excel

Identify insights

Let Copilot help analyze and visualize your data. Have access to Copilot? Try it today.

Try in Excel

LEARN MORE >



Focus on what matters

Effortlessly highlight, filter, and sort your data. Already have access? Try now.











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NIEUWE KENNIS

Top 10 skills on the rise



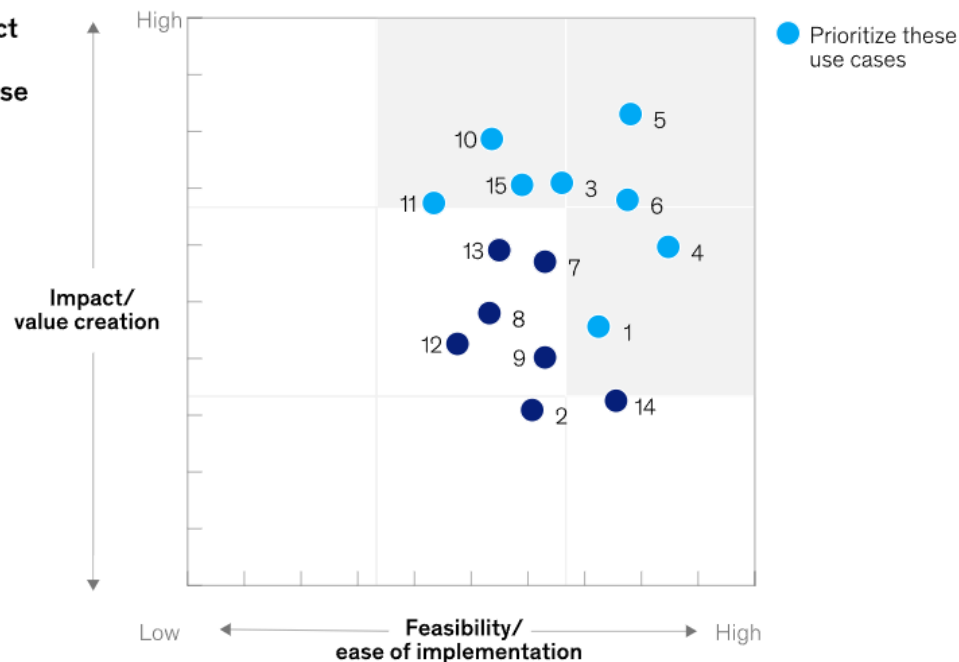
- | | |
|---|---|
| 1.  Creative thinking | 6.  Systems thinking |
| 2.  Analytical thinking | 7.  AI and big data |
| 3.  Technological literacy | 8.  Motivation and self-awareness |
| 4.  Curiosity and lifelong learning | 9.  Talent management |
| 5.  Resilience, flexibility and agility | 10.  Service orientation and customer service |

Type of skill

 Cognitive skills  Self-efficacy  Management skills  Technology skills  Working with others  Engagement skills

DE JUISTE WAARDE

Matrix of impact and feasibility in finance, by use cases, score (illustrative)



Cognitive decision making

- 1 Scenario and response planning
- 2 Augmented revenue forecasting
- 3 Market and competition monitoring
- 4 Prioritizing growth/M&A targets

Adaptive performance optimization

- 5 Predictive cash flow forecasting
- 6 Enhanced working-capital management
- 7 Dynamic capital allocation

Autonomous performance monitoring

- 8 "One" digital reporting
- 9 Automated root-cause analysis
- 10 Real-time performance tracking

Data-centric investor relations

- 11 Market value analytics
- 12 Predictive market sentiment
- 13 "Talking point" creation

Predictive cost and risk control

- 14 Early fraud prevention
- 15 Cost analysis

HOE NU VERDER?

Vervolg	GenAI Inspiratiesessie	GenAI Hackathon	GenAI Designsprint	GenAI Proof of Concept
Activiteiten en resultaten	<ul style="list-style-type: none">✓ De definitie van GenAI✓ Wat zijn de voordelen van GenAI✓ Aan het werk met GenAI tools✓ Inspiratie door middel van use-cases✓ Hoe te beginnen met een GenAI traject & praktische tips tijdens de implementatie	<ul style="list-style-type: none">✓ Vragen laten beantwoorden door verschillende teams binnen het bedrijf✓ Met verschillende GenAI tools werken✓ Prototypes aan het einde van de 24 uur✓ Een mooie activiteit voor medewerkers	<ul style="list-style-type: none">✓ Van idee naar prototype in 5 dagen✓ Bewezen methodologie met elke dag een duidelijk doel✓ Duidelijk voor iedereen die met de designsprint meedoet wat er moet gebeuren✓ Een manier om innovatie toe te passen in de praktijk	<ul style="list-style-type: none">✓ Bewezen project aanpak van 6 weken✓ Drie use-cases uitgewerkt tot in de eigen testomgeving✓ Lessons learned✓ Hierna kan je gelijk naar implementatie
Duur	1 dag	2 dagen	5 dagen	30 dagen



THANK YOU

Got motivated? Contact us

CONTACT INFORMATION

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