

CPAs getting ahead with data analytics

CPAs 2.0: Keeping Pace with the Business Transformation
14 June 2019





Data analytics
– An overview



Drilling down –
What is data
and analytics?



Practical use
of data and
analytics by
CPAs



Sample case
studies



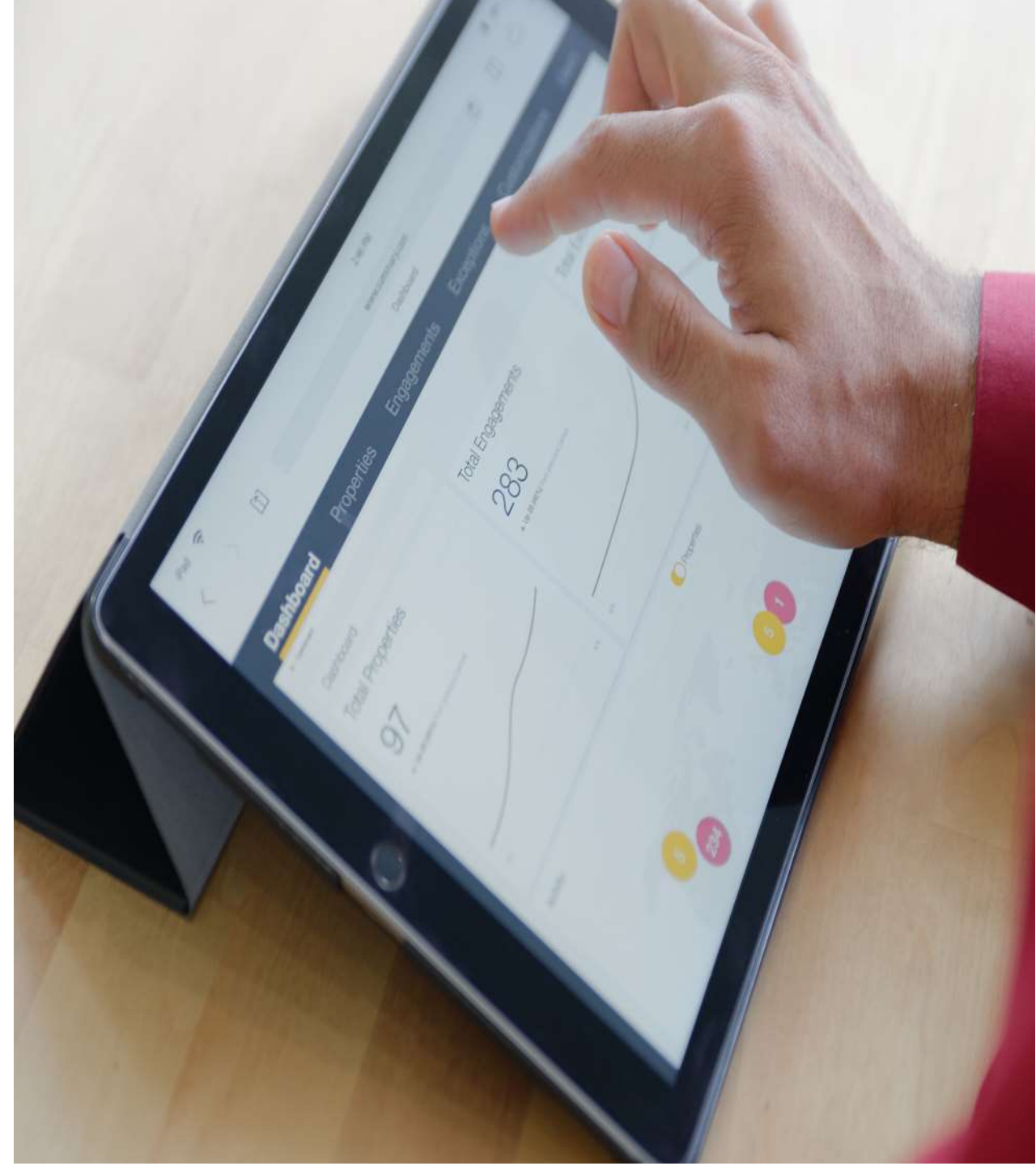
Solutions and
applications



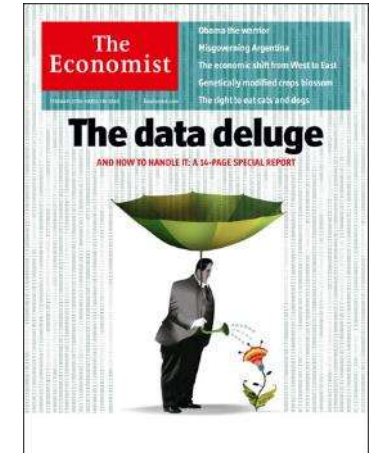
Contents

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Data analytics – An overview



What is all the fuss about?





Companies are **creating data at an exponential rate** and are telling us the **growth in value** created from these data assets is **not keeping pace.**

Companies are **often missing out on being able to improve decision making from data** that is at the fingertips but **not available for detailed analysis.**



“

Organisations struggle to corral data into useable and actionable intelligence, and the main reason for their frustration is ‘lack of analytical talent’, followed closely by ‘data siloing’ and ‘poor data reliability’.

PwC’s 22nd Annual Global CEO Survey

CPAs getting ahead with Data & Analytics
Isla Lipana & Co., PwC



What should be done?

To realise the potential of the rich data assets and enable insightful analytics, it is important to:

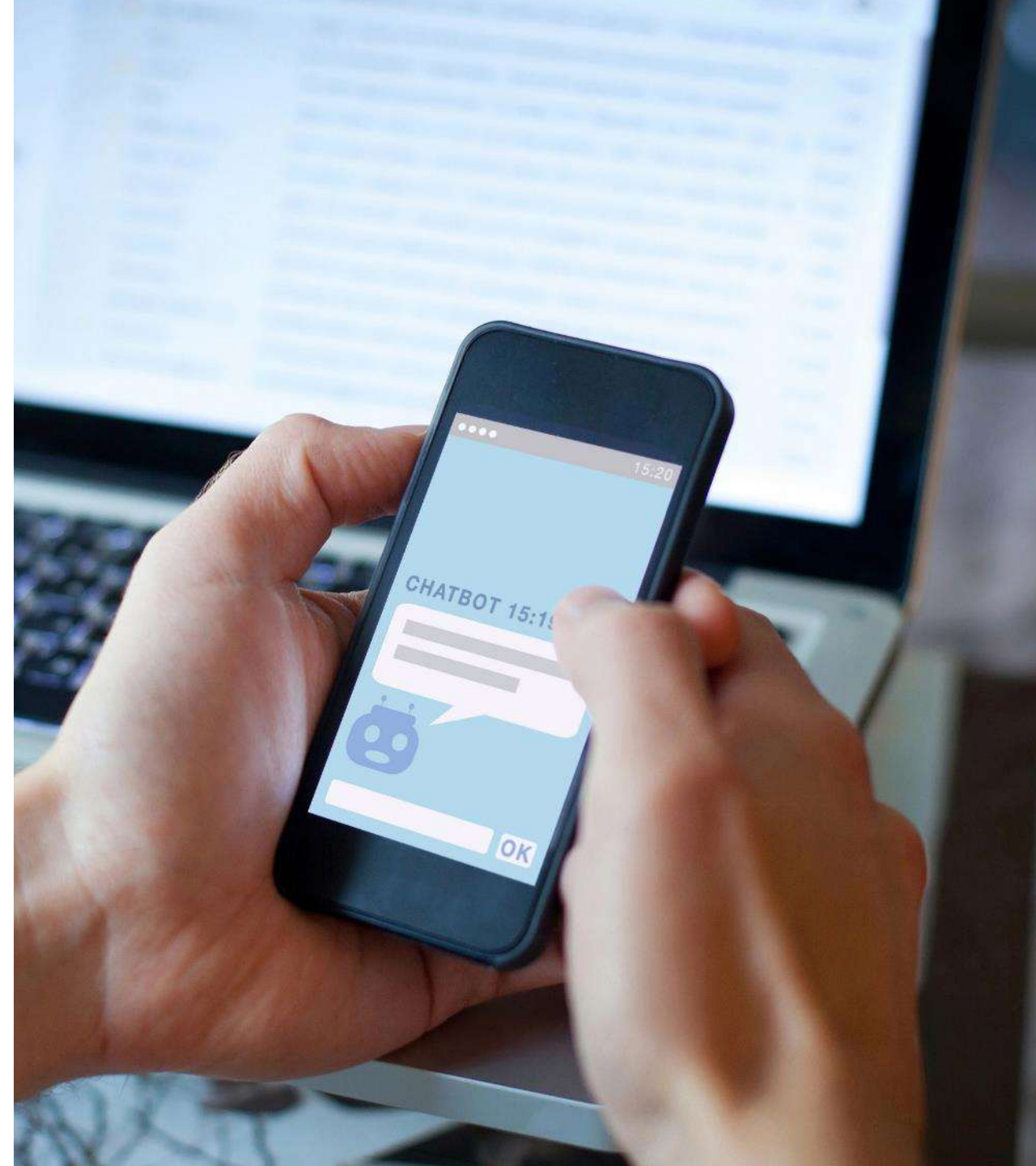
- **Bring granular data into powerful, intuitive visualisation tools.**
- **Combine business acumen and data understanding to create the linkage between operational data and financial performance.**



Video

2

Drilling down –
What is data and
analytics?



Poll

Data & Analytics

Scan the QR code

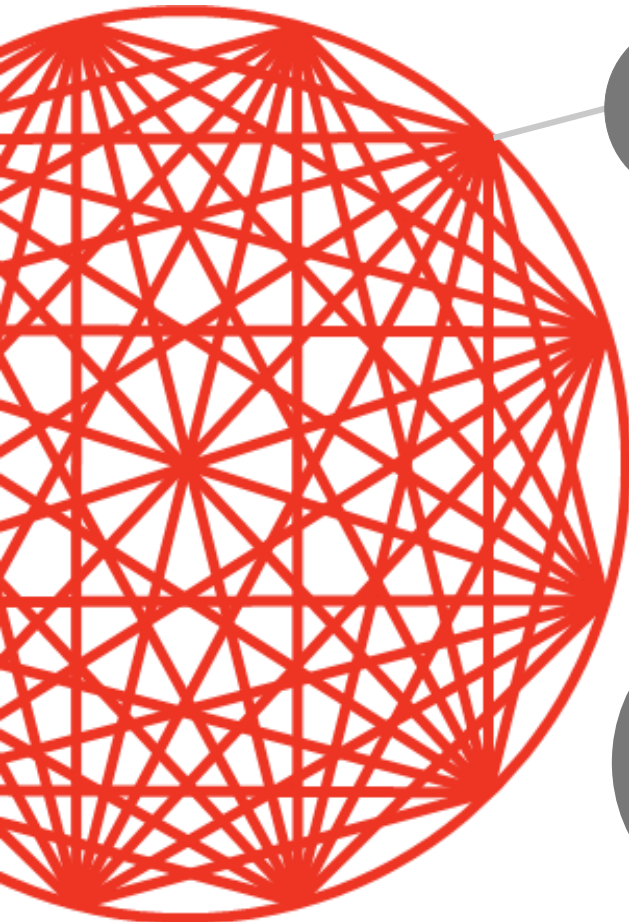


or use the link below

Link: www.menti.com

Code: 75 46 98

Data and analytics



*Examining **meaningful patterns** in data to **uncover stories** behind the numbers*

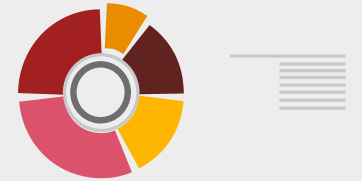


*Draw conclusions from **large volumes of data** for business gain*

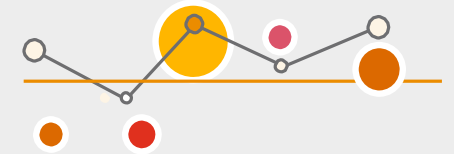


*Reveal hidden relationships and **actionable insights** to optimize business decisions*

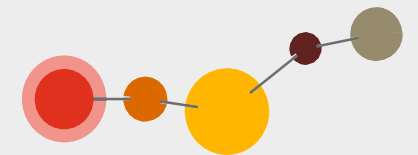
Quality



Experience



Efficiency

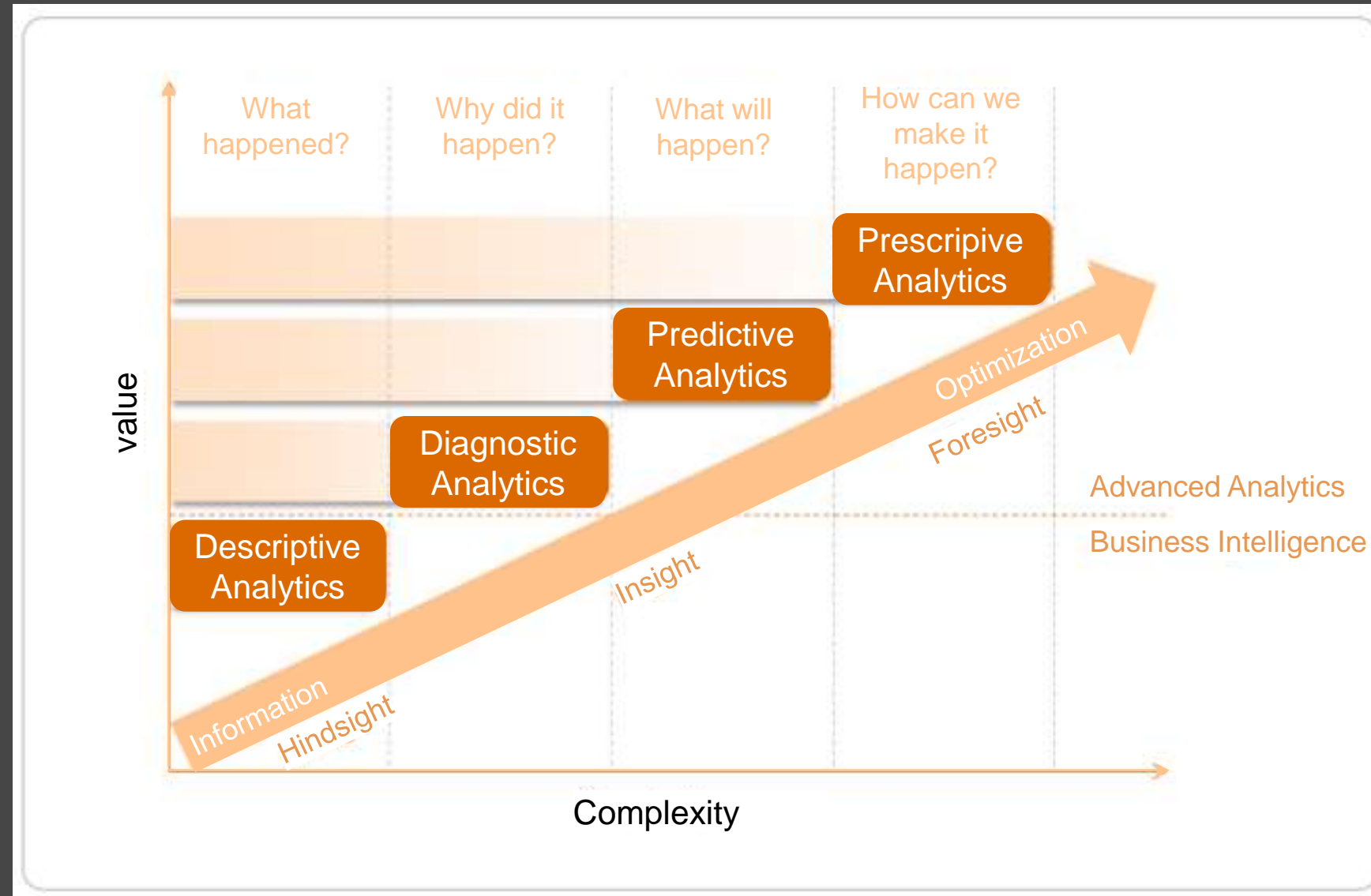


Insights



The Spectrum of Analytics

Adaption of Gartner's analytics maturity curve



The Three Pillars of Data & Analytics



*Extract, Transform,
and Load*

1. **Extract** data from your system
2. Cleanse, **transform** and validate your data into a common data model
3. **Load** your data into enablers/tools

Data Analytics

Test transactional data using automated algorithms

Data Visualization

Visualize test results for better understanding and deep dive **insight** of your data.

Applying data & analytics methodology

You are tasked to create a report on the doctor visits of medical representatives.

You have the following data to use:

1 Doctor's Visit Table

	A	B	C	D	E
1	DATETIME	MEDREP	DOCTOR	PROMOMAT	QUANTITY
2	2/22/2013 16:20	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
3	2/26/2013 17:33	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
4	3/6/2013 15:50	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
5	3/6/2013 15:50	SAMWISE GAMGEE	JS REYES	OLM 20MG 1's (REG)	1
6	3/12/2013 13:16	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
7	3/12/2013 13:16	SAMWISE GAMGEE	JS REYES	OLM 20MG 1's (REG)	1
8	4/12/2013 17:51	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
9	4/12/2013 17:51	SAMWISE GAMGEE	JS REYES	OLM 20MG 1's (REG)	1

2 Doctor's Specialization

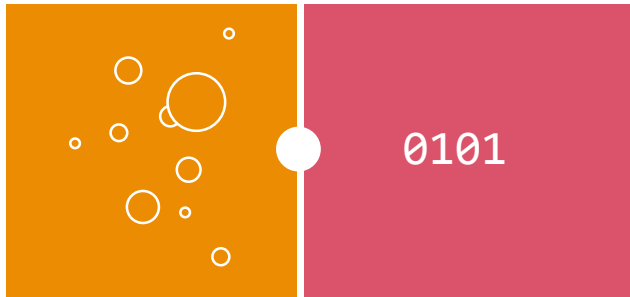
	A	B
1	DOCTOR	SPECIALISATION
2	DR REYES	INTERNAL MEDICINE
3	DR PENA	FAMILY MEDICINE
4	DR YOUNG	ONCOLOGY
5	DR ROQUE	FAMILY MEDICINE
6	DR DELEON	NEPHROLOGY
7	DR LAVILLA	PULMONOLOGY
8	DR MARCELINO	PULMONOLOGY

NOTE: Valid Visits to Doctors by Medical Representatives are done on Weekdays between 8AM to 7PM.

Applying data & analytics methodology

✔ Data Extraction

- Tables provided Doctor's Visit Table and Doctor's Specialization



Doctor's Visit Table

	A	B
1	DATETIME	MEDREP
2	2/22/2013 16:20	SAMWISE GAMGEE
3	2/26/2013 17:33	SAMWISE GAMGEE
4	3/6/2013 15:50	SAMWISE GAMGEE
5	3/6/2013 15:50	SAMWISE GAMGEE
6	3/12/2013 13:16	SAMWISE GAMGEE
7	3/12/2013 13:16	SAMWISE GAMGEE
8	4/12/2013 17:51	SAMWISE GAMGEE
9	4/12/2013 17:51	SAMWISE GAMGEE

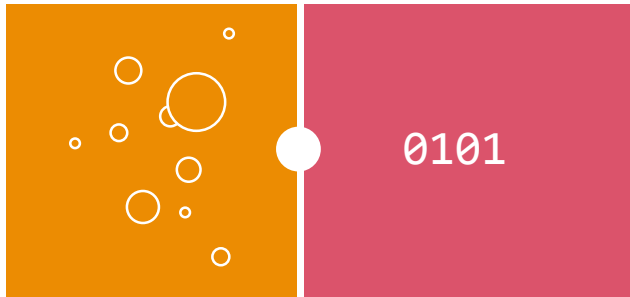
Specialization

	A	B
1	DOCTOR	SPECIALISATION
2	DR REYES	INTERNAL MEDICINE
3	DR PENA	FAMILY MEDICINE
4	DR YOUNG	ONCOLOGY
5	DR ROQUE	FAMILY MEDICINE
6	DR DELEON	NEPHROLOGY
7	DR LAVILLA	PULMONOLOGY
8	DR MARCELINO	PULMONOLOGY

Applying data & analytics methodology

✓ Data Transformation

- Import Data sets in a tool(ACL) for cleansing



1

	DATETIME	MEDREP
1	2/22/2013 16:20	SAMWISE GF
2	2/26/2013 17:33	SAMWISE GF
3	3/6/2013 15:50	SAMWISE GF
4	3/6/2013 15:50	SAMWISE GF
5	3/12/2013 13:16	SAMWISE GF
6	3/12/2013 13:16	SAMWISE GF
7	4/12/2013 17:51	SAMWISE GF
8	4/12/2013 17:51	SAMWISE GF
9	5/23/2013 13:14	SAMWISE GF

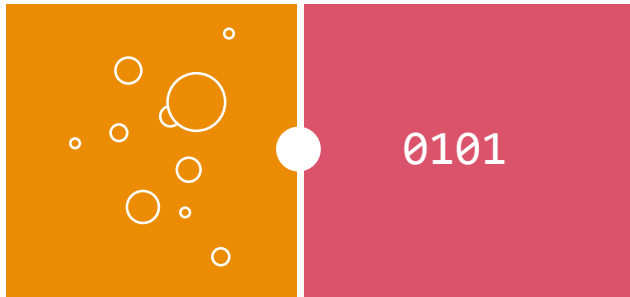
2

	DOCTOR	SPECIALISATION
1	DR REYES	INTERNAL MEDICINE
2	DR PENA	FAMILY MEDICINE
3	DR YOUNG	ONCOLOGY
4	DR ROQUE	FAMILY MEDICINE
5	DR DELEON	NEPHROLOGY
6	DR LAVILLA	PULMONOLOGY
7	DR MARCELINO	PULMONOLOGY
8	DR NICDAO	INTERNAL MEDICINE
9	DR HERNANDEZ	CARDIOLOGY
10	DR TAMBIS	PULMONOLOGY

Applying data & analytics methodology

✔ Data Transformation

- Separate DATETIME field into two fields, to reflect “Date” and “Time”

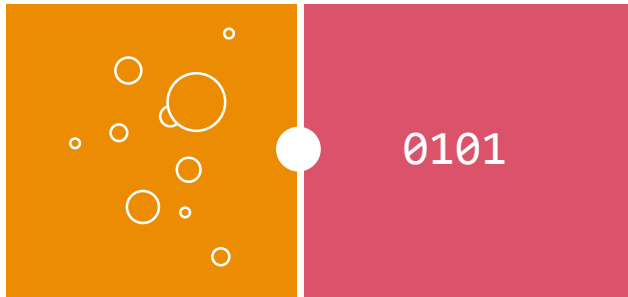


	DATETIME	DateOfVisit	TimeOfVisit	MEDREP	DOCTOR	PROMOMAT	QUANTITY
1	2/22/2013 16:20	2/22/2013	16:20	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
2	2/26/2013 17:33	2/26/2013	17:33	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
3	3/6/2013 15:50	3/6/2013	15:50	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
4	3/6/2013 15:50	3/6/2013	15:50	SAMWISE GAMGEE	JS REYES	OLM 20MG 1's (REG)	1
5	3/12/2013 13:16	3/12/2013	13:16	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
6	3/12/2013 13:16	3/12/2013	13:16	SAMWISE GAMGEE	JS REYES	OLM 20MG 1's (REG)	1
7	4/12/2013 17:51	4/12/2013	17:51	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
8	4/12/2013 17:51	4/12/2013	17:51	SAMWISE GAMGEE	JS REYES	OLM 20MG 1's (REG)	1
9	5/23/2013 13:14	5/23/2013	13:14	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
10	5/23/2013 13:14	5/23/2013	13:14	SAMWISE GAMGEE	JS REYES	OLM 20MG 1's (REG)	1
11	6/6/2013 10:15	6/6/2013	10:15	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
12	6/21/2013 17:59	6/21/2013	17:59	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
13	7/11/2013 16:20	7/11/2013	16:20	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
14	8/7/2013 11:58	8/7/2013	11:58	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
15	8/7/2013 11:58	8/7/2013	11:58	SAMWISE GAMGEE	JS REYES	PON SF500MG 1's (REG)	1
16	9/3/2013 18:08	9/3/2013	18:08	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
17	9/3/2013 18:08	9/3/2013	18:08	SAMWISE GAMGEE	JS REYES	PON SF500MG 1's (REG)	1
18	9/3/2013 18:08	9/3/2013	18:08	SAMWISE GAMGEE	JS REYES	OLM 20MG 1's (REG)	1
19	9/12/2013 18:24	9/12/2013	18:24	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
20	10/3/2013 12:12	10/3/2013	12:12	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
21	10/3/2013 12:12	10/3/2013	12:12	SAMWISE GAMGEE	JS REYES	PON SF500MG 1's (REG)	1

Applying data & analytics methodology

✓ Data Transformation

- Add specialization field under Doctor's Specialization file to Doctor's Visit file
 - Identify key field to connect files



1

DoctorsVisit	
Filter:	
DOCTOR	
1	JS REYES
2	JS REYES
3	JS REYES
4	JS REYES
5	JS REYES
6	JS REYES

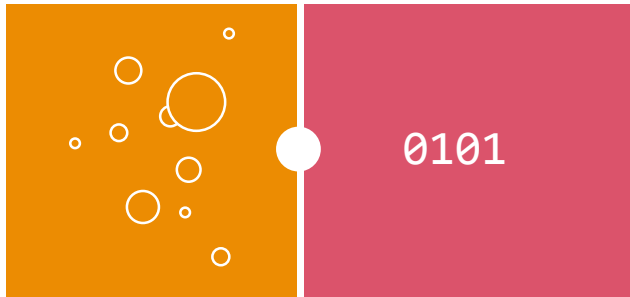
2

Specialization	
Filter:	
DOCTOR	
1	DR REYES
2	DR PENA
3	DR YOUNG
4	DR ROQUE
5	DR DELEON
6	DR LAVILLA
7	DR MARCELINO
8	DR NICDAO
9	DR HERNANDEZ
10	DR TAMBIS

Applying data & analytics methodology

✓ Data Transformation

- Add specialization field under Doctor's Specialization file to Doctor's Visit file
 - Link the files using the key field and add specialization field

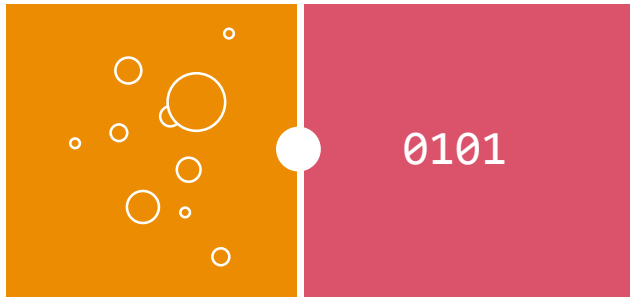


	DateOfVisit	TimeOfVisit	MEDREP	DOCTOR	PROMOMAT	QUANTITY	SPECIALISATION
226	7/15/2013	16:09	FRODO BAGGINS	MR HERNANDEZ	NORVASC PROTECT 10/mg/10mg	1	CARDIOLOGY
227	7/15/2013	16:09	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY
228	7/23/2013	15:36	FRODO BAGGINS	MR HERNANDEZ	NOR SMG 1's (REG)	1	CARDIOLOGY
229	7/23/2013	15:36	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY
230	7/25/2013	13:46	FRODO BAGGINS	MR HERNANDEZ	NOR SMG 1's (REG)	1	CARDIOLOGY
231	7/25/2013	13:46	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY
232	8/1/2013	17:06	FRODO BAGGINS	MR HERNANDEZ	NOR SMG 1's (REG)	1	CARDIOLOGY
233	8/1/2013	17:06	FRODO BAGGINS	MR HERNANDEZ	PON SF500MG 1's (REG)	1	CARDIOLOGY
234	8/5/2013	16:55	FRODO BAGGINS	MR HERNANDEZ	NOR PROTECT 5/10mg 1's (REG)	1	CARDIOLOGY
235	8/5/2013	16:55	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY
236	8/13/2013	16:30	FRODO BAGGINS	MR HERNANDEZ	NOR PROTECT 5/10mg 1's (REG)	1	CARDIOLOGY
237	8/13/2013	16:30	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY
238	10/13/2014	15:59	FRODO BAGGINS	MR HERNANDEZ	NOR PROTECT 10/10MG 1'S (REG)	1	CARDIOLOGY
239	10/13/2014	15:59	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY
240	10/16/2014	16:35	FRODO BAGGINS	MR HERNANDEZ	NOR PROTECT 10/10MG 1'S (REG)	1	CARDIOLOGY
241	10/16/2014	16:35	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY

Applying data & analytics methodology

✔ Data Loading

- Load data in your analytics tool (ACL/Power BI) for analysis and visualization



Doctor Visits - Power BI Desktop

File Home Modeling Help

DateOfVisit	TimeOfVisit	MEDREP	DOCTOR	PROMOMAT	QUANTITY	SPECIALISATION	Visit_C
Monday, June 24, 2013	2:59:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Thursday, June 27, 2013	3:17:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Monday, July 8, 2013	4:08:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Monday, July 15, 2013	4:09:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Tuesday, July 23, 2013	3:36:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Thursday, July 25, 2013	1:46:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Monday, August 5, 2013	4:55:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Tuesday, August 13, 2013	4:30:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Monday, October 13, 2014	3:59:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Thursday, October 16, 2014	4:35:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Monday, October 20, 2014	4:50:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Thursday, October 30, 2014	3:48:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Thursday, November 6, 2014	3:27:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Monday, January 28, 2013	2:39:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is
Monday, February 18, 2013	4:19:00 PM	FRODO BAGGINS	MR HERNANDEZ	eCards NORVASC	1	CARDIOLOGY	Visit is

Welcome DoctorsVisit

Filter:

	DATEIME	DateOfVisit	TimeOfVisit	MEDREP	DOCTOR	PROMOMAT	QUANTITY
1	2/22/2013 16:20	2/22/2013	16:20	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
2	2/26/2013 17:33	2/26/2013	17:33	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
3	3/6/2013 15:50	3/6/2013	15:50	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
4	3/6/2013 15:50	3/6/2013	15:50	SAMWISE GAMGEE	JS REYES	OLM 20MG 1's (REG)	1
5	3/12/2013 13:16	3/12/2013	13:16	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
6	3/12/2013 13:16	3/12/2013	13:16	SAMWISE GAMGEE	JS REYES	OLM 20MG 1's (REG)	1
7	4/12/2013 17:51	4/12/2013	17:51	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
8	4/12/2013 17:51	4/12/2013	17:51	SAMWISE GAMGEE	JS REYES	OLM 20MG 1's (REG)	1
9	5/23/2013 13:14	5/23/2013	13:14	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
10	5/23/2013 13:14	5/23/2013	13:14	SAMWISE GAMGEE	JS REYES	OLM 20MG 1's (REG)	1
11	6/6/2013 10:15	6/6/2013	10:15	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
12	6/21/2013 17:59	6/21/2013	17:59	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
13	7/11/2013 16:20	7/11/2013	16:20	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
14	8/7/2013 11:58	8/7/2013	11:58	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	2
15	8/7/2013 11:58	8/7/2013	11:58	SAMWISE GAMGEE	JS REYES	PON SF500MG 1's (REG)	1
16	9/3/2013 18:08	9/3/2013	18:08	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
17	9/3/2013 18:08	9/3/2013	18:08	SAMWISE GAMGEE	JS REYES	PON SF500MG 1's (REG)	1
18	9/3/2013 18:08	9/3/2013	18:08	SAMWISE GAMGEE	JS REYES	OLM 20MG 1's (REG)	1
19	9/12/2013 18:24	9/12/2013	18:24	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
20	10/3/2013 12:12	10/3/2013	12:12	SAMWISE GAMGEE	JS REYES	LIP 20MG 1's (REG)	1
21	10/3/2013 12:12	10/3/2013	12:12	SAMWISE GAMGEE	JS REYES	PON SF500MG 1's (REG)	1

Applying data & analytics methodology

✔ Data Analytics

- Apply business rule in the data:
Valid Visits to Doctors by Medical Representatives are done on Weekdays between 8AM to 7PM.



	DateOfVisit	TimeOfVisit	Visit_Class	MEDREP	DOCTOR
1	6/10/2013	10:04	Visit is valid	SAMWISE GAMGEE	CD DELEON
2	11/15/2013	8:30	Visit is valid	SAMWISE GAMGEE	CD DELEON
3	12/3/2013	8:44	Visit is valid	SAMWISE GAMGEE	CD DELEON
4	12/3/2013	8:44	Visit is valid	SAMWISE GAMGEE	CD DELEON
5	5/28/2013	9:44	Visit is valid	SAMWISE GAMGEE	CD DELEON
6	3/6/2013	8:41	Visit is valid	SAMWISE GAMGEE	CD DELEON
7	4/10/2013	8:42	Visit is valid	SAMWISE GAMGEE	CD DELEON
8	9/11/2013	8:10	Visit is valid	SAMWISE GAMGEE	CD DELEON
9	2/6/2014	11:10	Visit is valid	SAMWISE GAMGEE	CD DELEON
10	3/6/2013	8:41	Visit is valid	SAMWISE GAMGEE	CD DELEON
11	4/10/2013	8:42	Visit is valid	SAMWISE GAMGEE	CD DELEON
12	7/19/2013	9:08	Visit is valid	SAMWISE GAMGEE	CD DELEON
13	9/11/2013	8:10	Visit is valid	SAMWISE GAMGEE	CD DELEON
14	2/6/2013	9:19	Visit is valid	FRODO BAGGINS	CD DELEON

Applying data & analytics methodology

✔ Data Analytics

- Identify invalid visits
 - Determine total count of invalid visits beyond Office Hours.



- Determine total count of invalid visits on Weekends.

Applying data & analytics methodology

✓ Data Analytics

- Identify invalid visits
 - Determine total count of invalid visits beyond Office Hours.



Doctor Visits
41

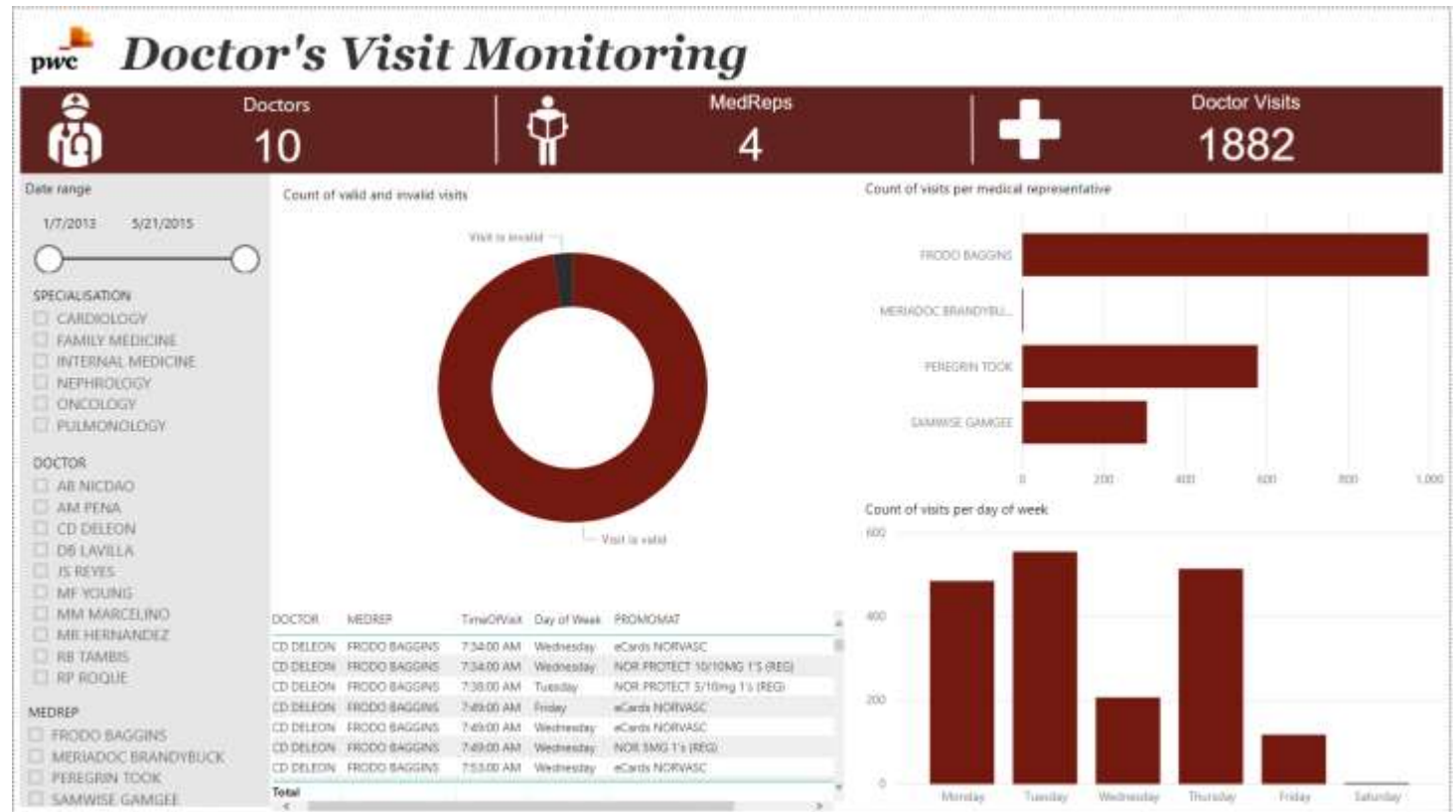
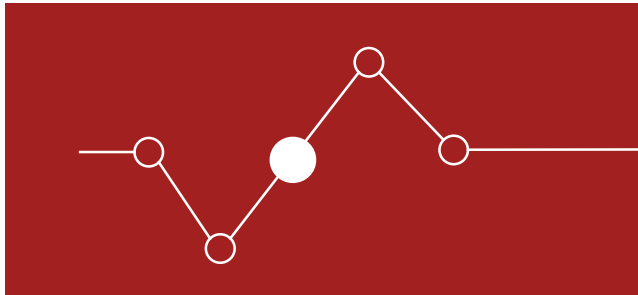
- Determine total count of invalid visits on Weekends.

Doctor Visits
3

Applying data & analytics methodology

✔ Data Visualization

- Use visualization tool (Power BI) for other insights and continuous monitoring thru frequent data refresh



3

Practical use of data and analytics by CPAs



Data Analytics Trigger

Excel hell



Manual Processes



Leakage



Thinking about BI



Need for more insights



Need better visibility



New leader or change in C-suite



Recent M&A



Change in systems



Poll

Work activities using massive data

Scan the QR code



or use the link below

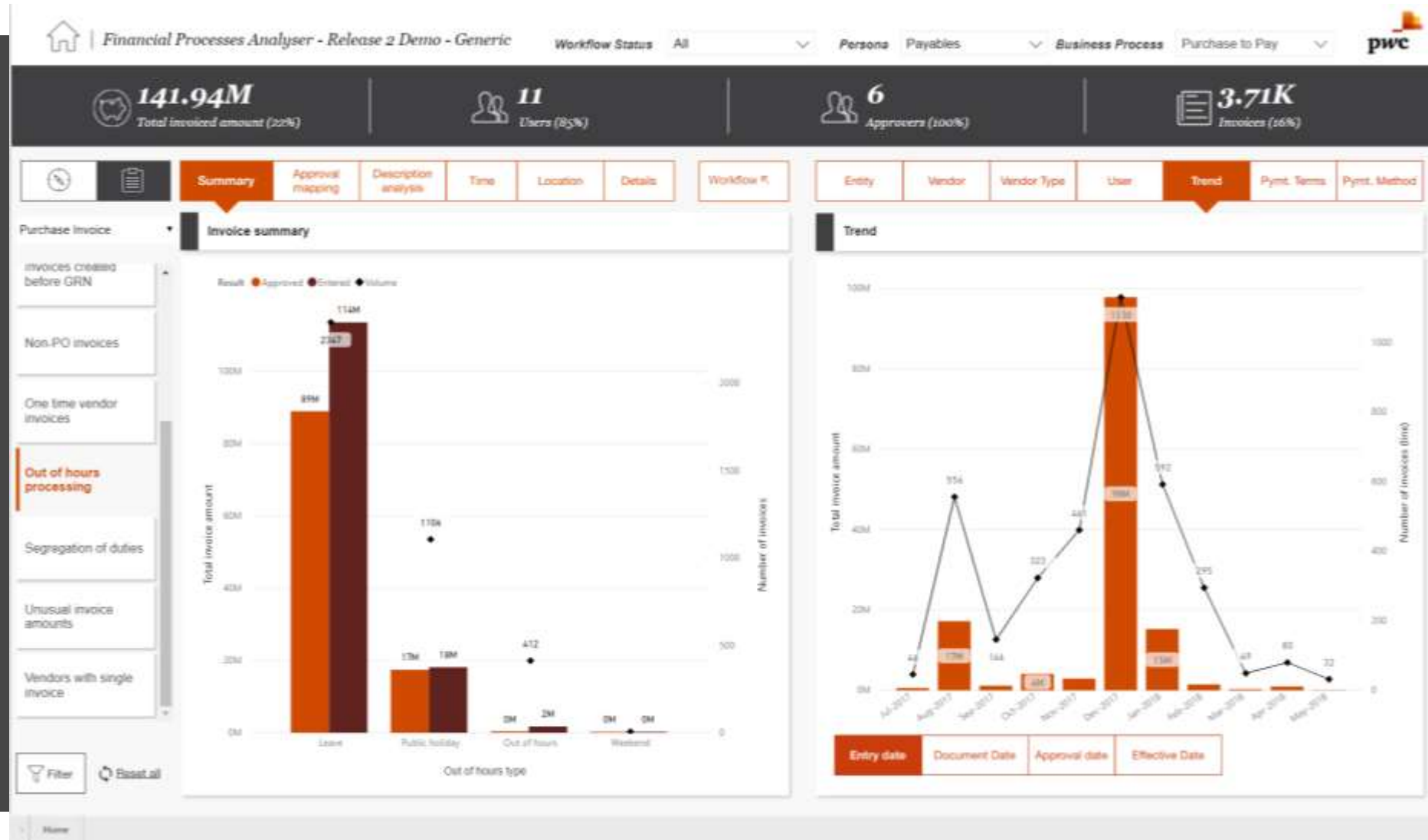
Link: www.menti.com

Code: 75 46 98

Purchase to pay analytics

Payables Officer

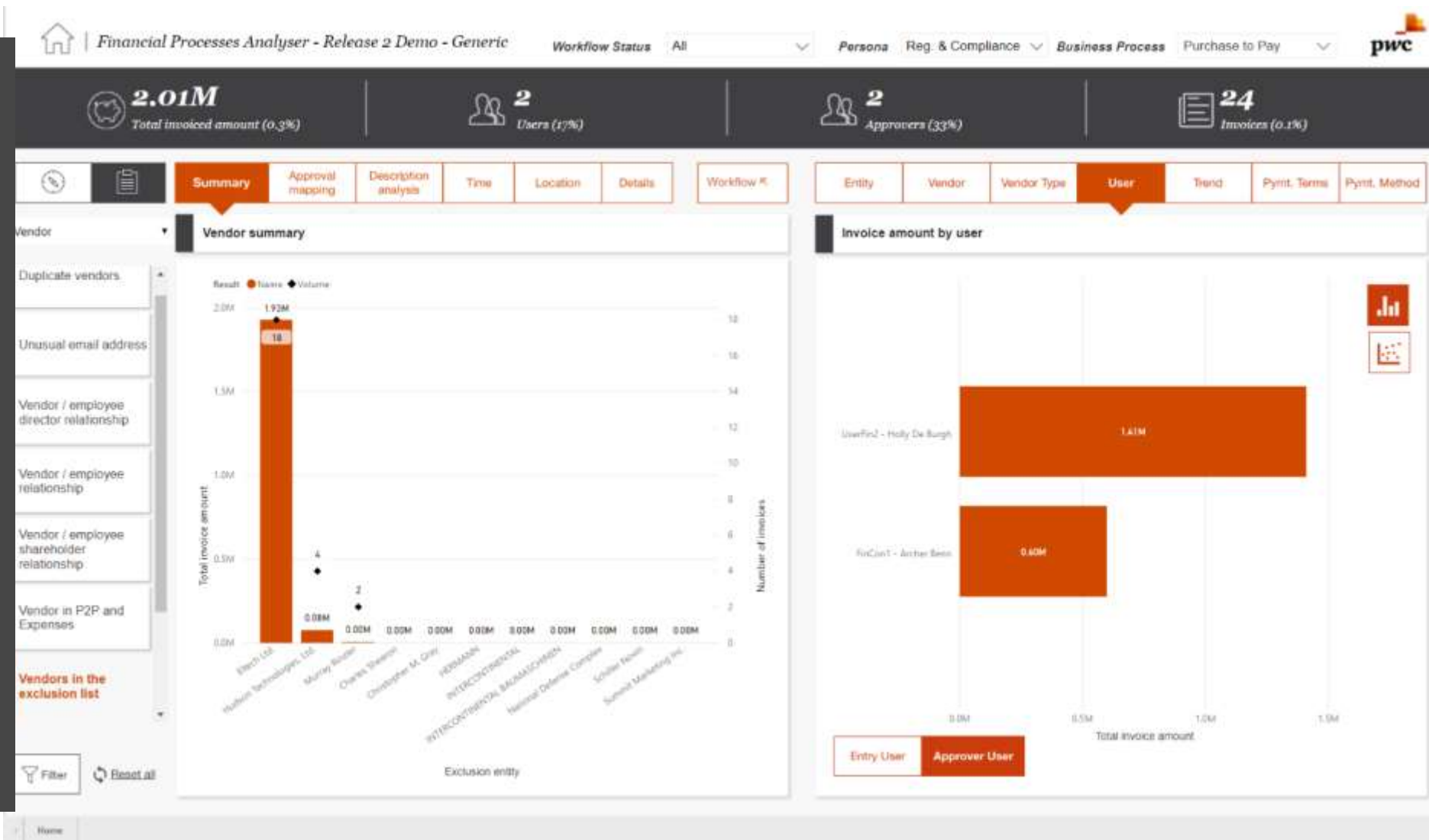
Out of hours processing



Purchase to pay analytics

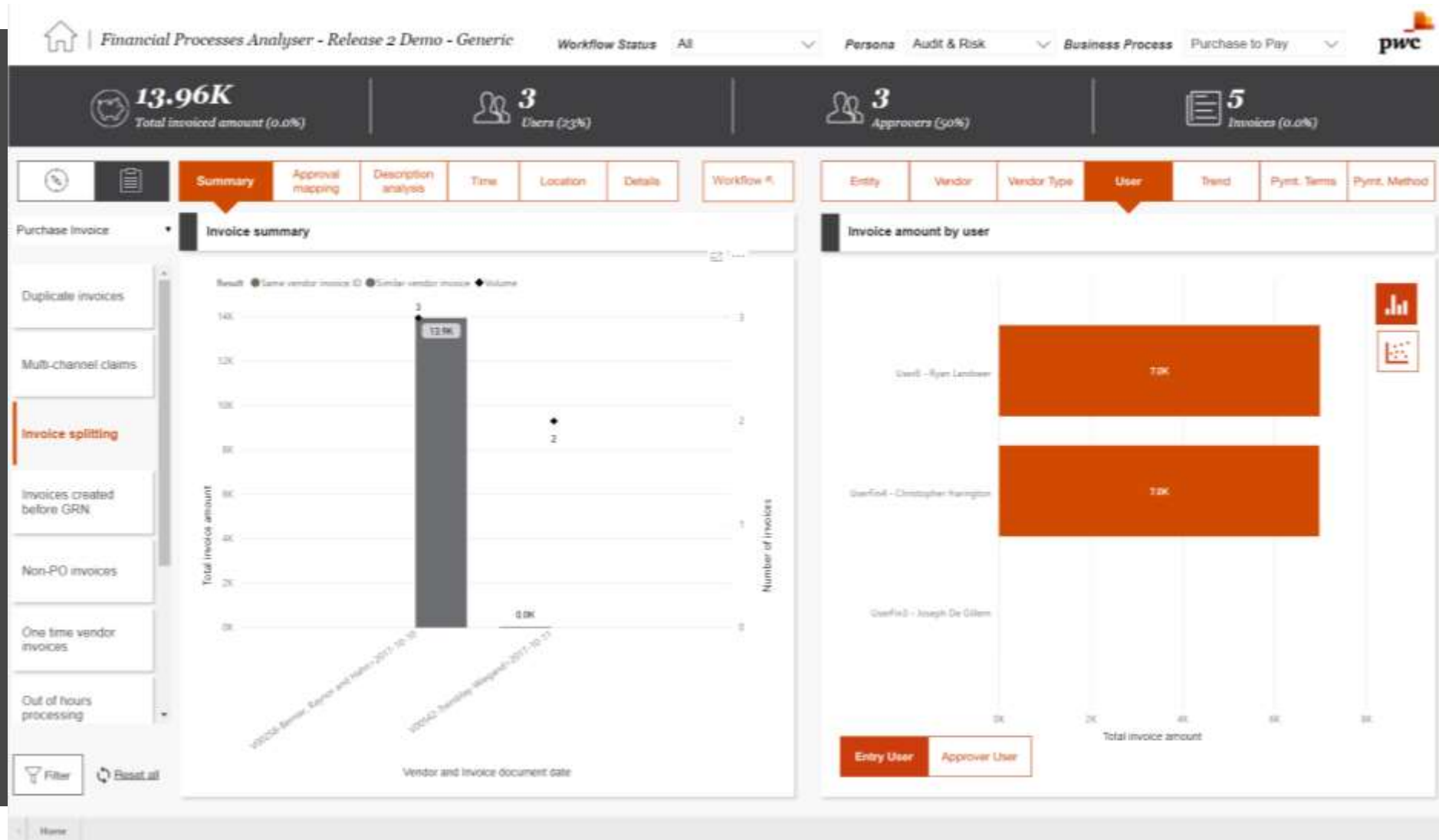
Procurement, Regulatory/ Compliance Officer and CFO

☐ Vendors on
exclusion lists



Purchase to pay analytics

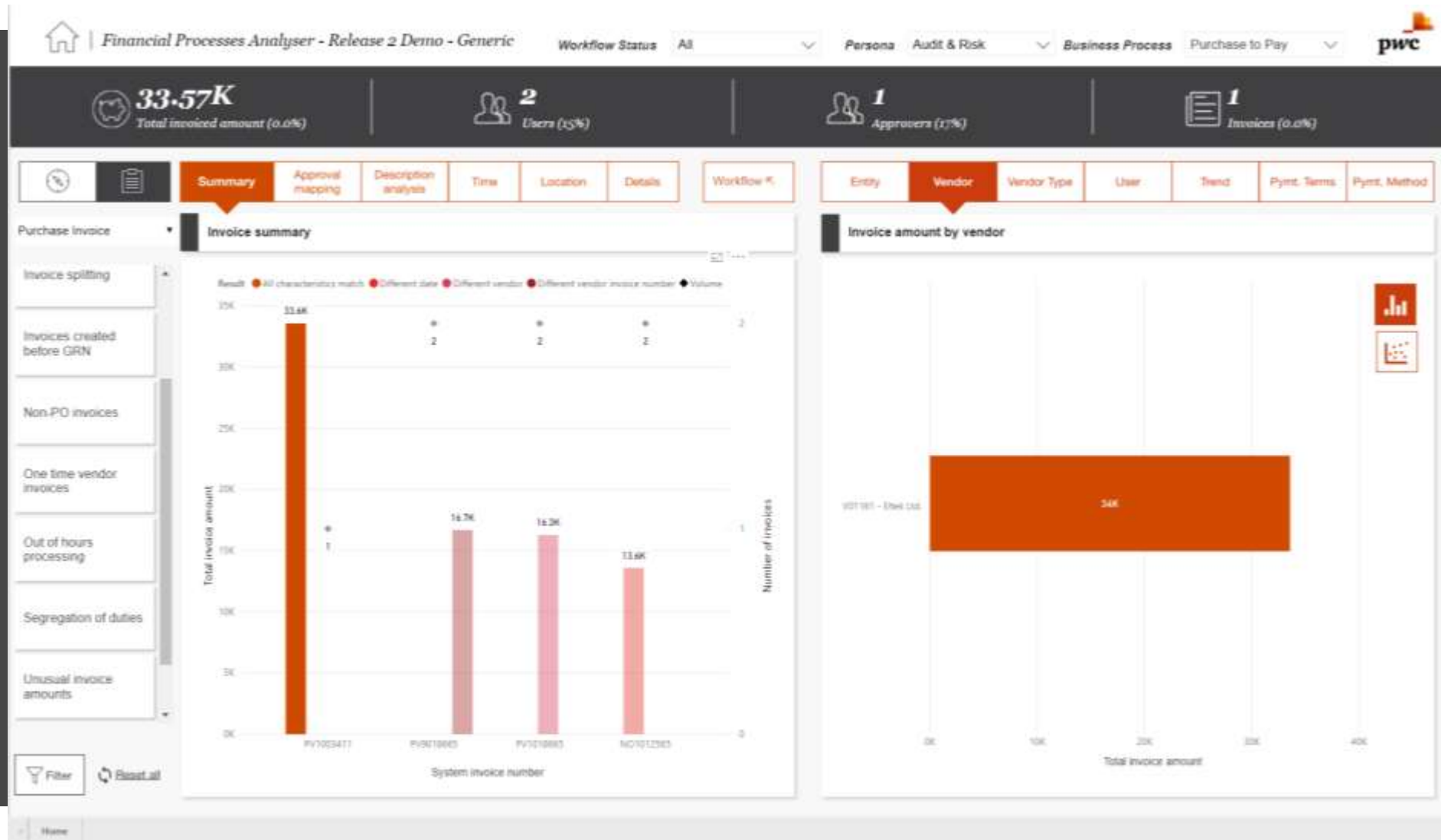
Risk Officers
☐ Invoice splitting



Purchase to pay analytics

Auditor or Risk Officers

- ❑ Duplicate invoices



4

Sample case studies



Data driven insights to identify and avert risks

- Used data analytics to provide management an executive view of the composition of their operations.
- The dashboards provided granular visibility of business processes enabling identification of risks such as overpayments.

“ It’s more important now than ever to stay aware of what’s happening around us.



Results

Untimely payments were identified enabling opportunities for cost saving.

Potential goods dispatched after expiry which could result in brand and reputation risks, were identified.

Discovered purchases from multiple vendors with the same goods at different prices, leading to missed cost savings.

Detect suspicious activity and prevent fraud

Task

To conduct a purchase to pay analysis for a FMCG manufacturer.

To present findings to support a Risk Assurance anti-fraud team.

To understand how standard review processes were circumvented.

“... it’s about business insights to action, and it all starts with the data.



Outcome

Detected fraudulent transactions sold as a service that never occurred.

Purchase orders requiring senior management review was split into 8 payments for a junior reviewer to circumvent standard review process.

Increase in client interaction as well as the ability to ask more specific questions during post-investigation workshop.

Exploratory data analytics to identify process improvements

Task

To profile and test purchases and deposits data

To extract additional value by highlighting potential areas of irregular behaviour and cost recovery in loans and investments data

To assess compliance with Know-Your-Customer (KYC) policies of the company

Outcome

Detected significant payments made to “Cash”.

Determined vendors with a mix of PO-based and non-PO-based transactions with the company

Identified common information not captured by personnel in the customer master data

“

... uncover trends and irregular behaviour using 100% of the data.



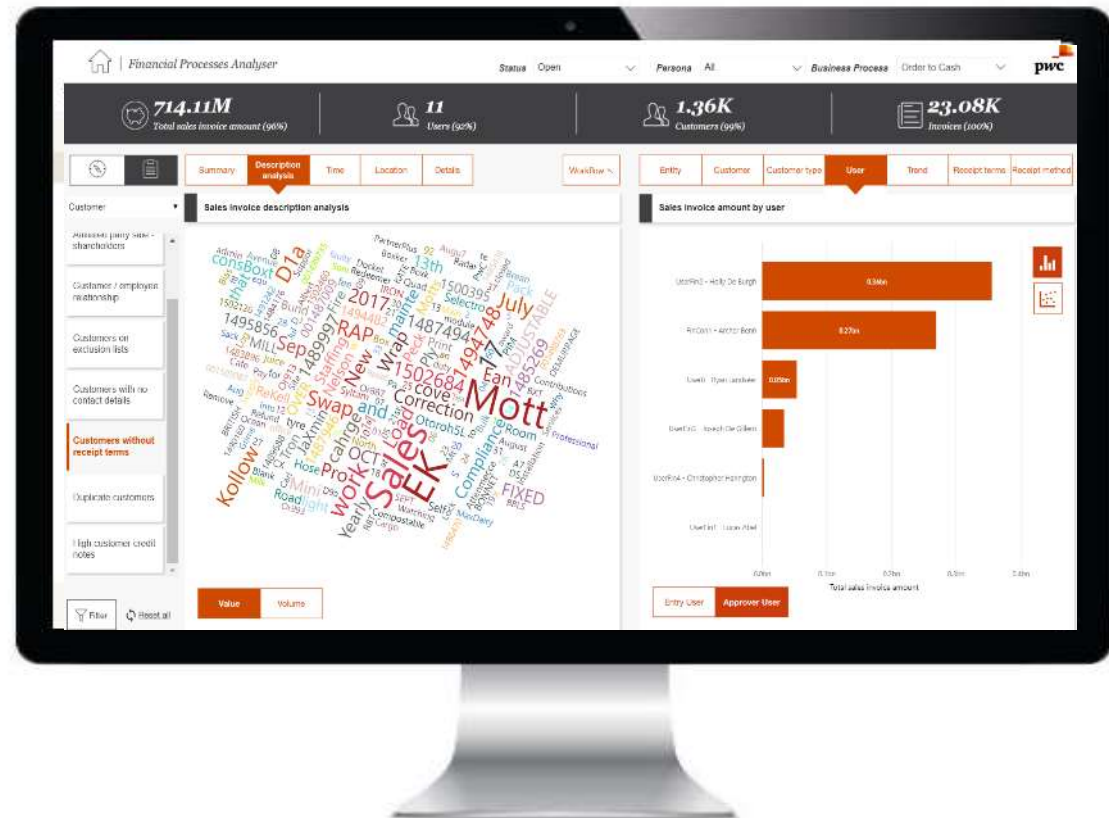
5

Solutions and applications



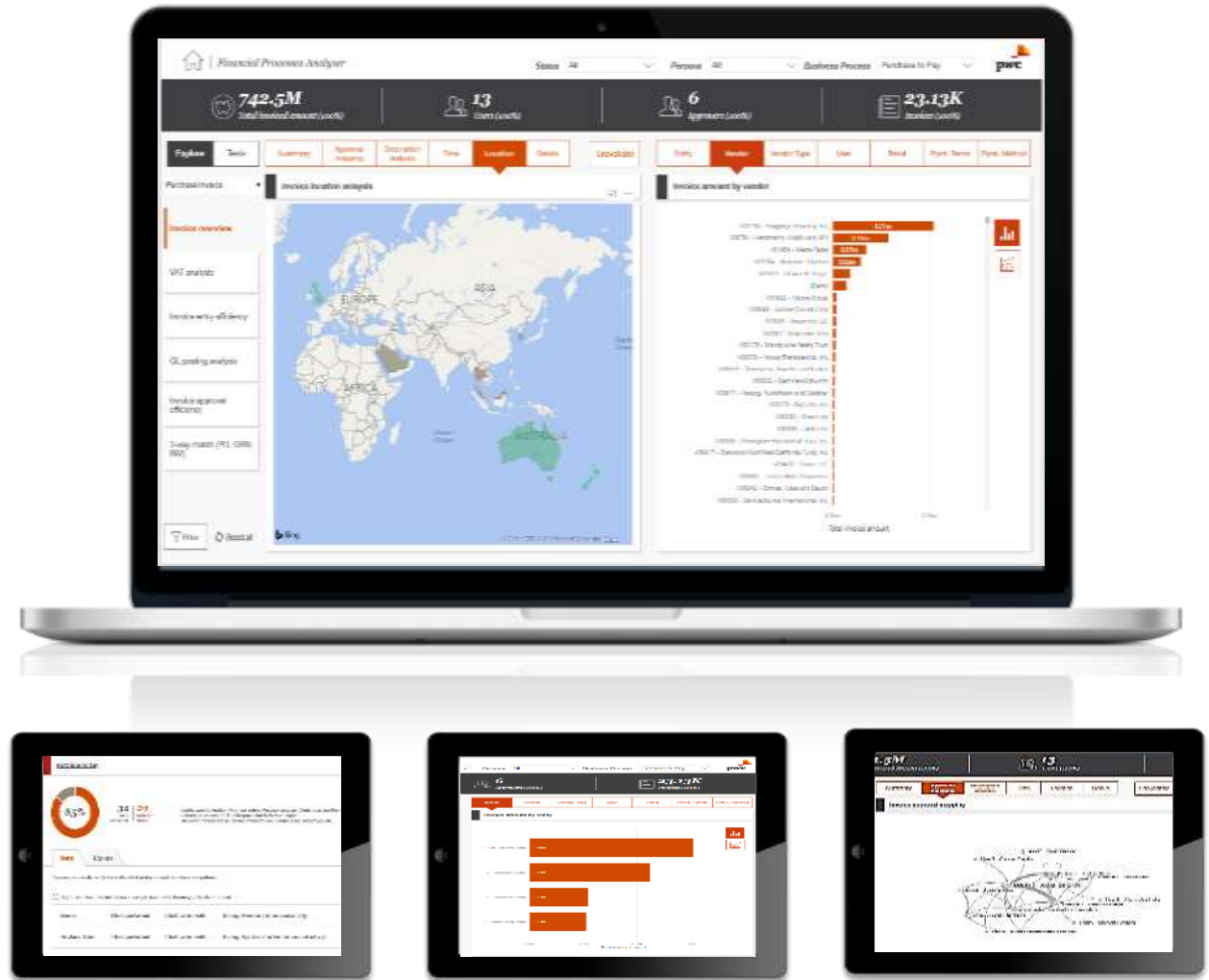
Order to Cash Analysis

Identify unusual sales behaviours, monitor compliance with sales guidelines, discover potential areas of revenue leakage, and explore 100% of customer and sales transactions



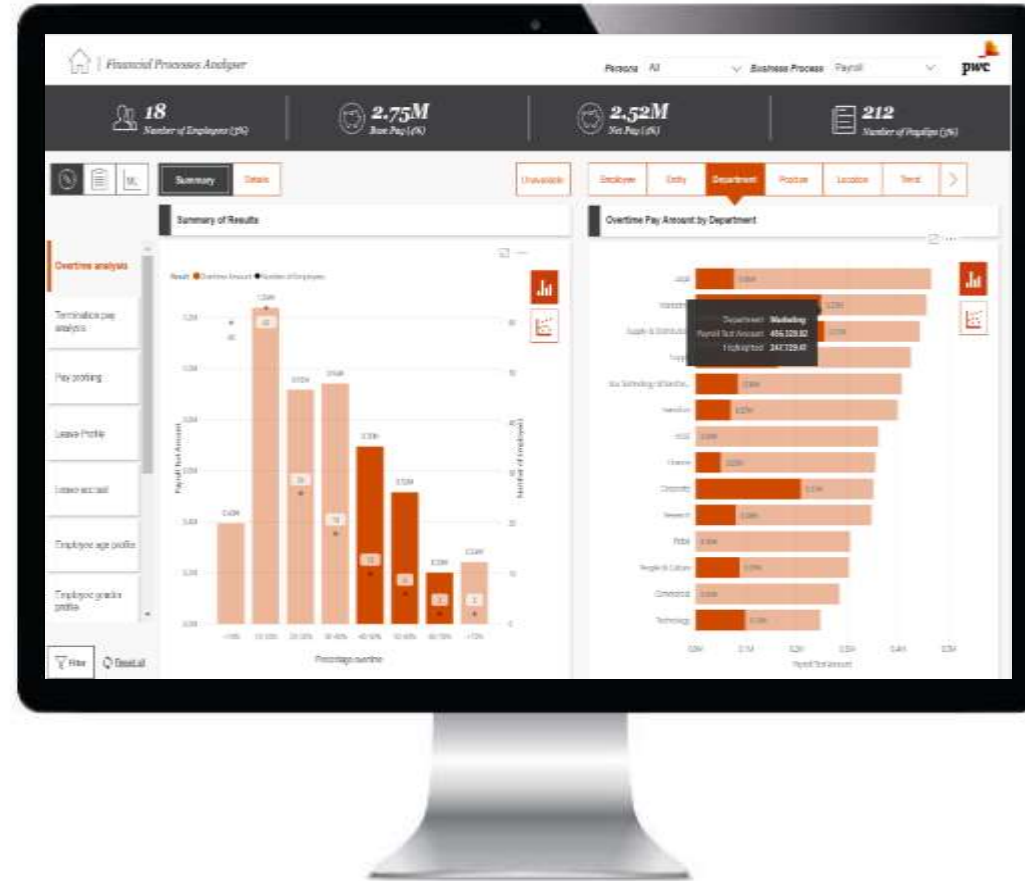
Purchase to Pay Analysis

Explore invoice, payment, purchase order and vendor master data to identify unusual spending patterns, monitor compliance with purchasing guidelines and explore individual transactions.



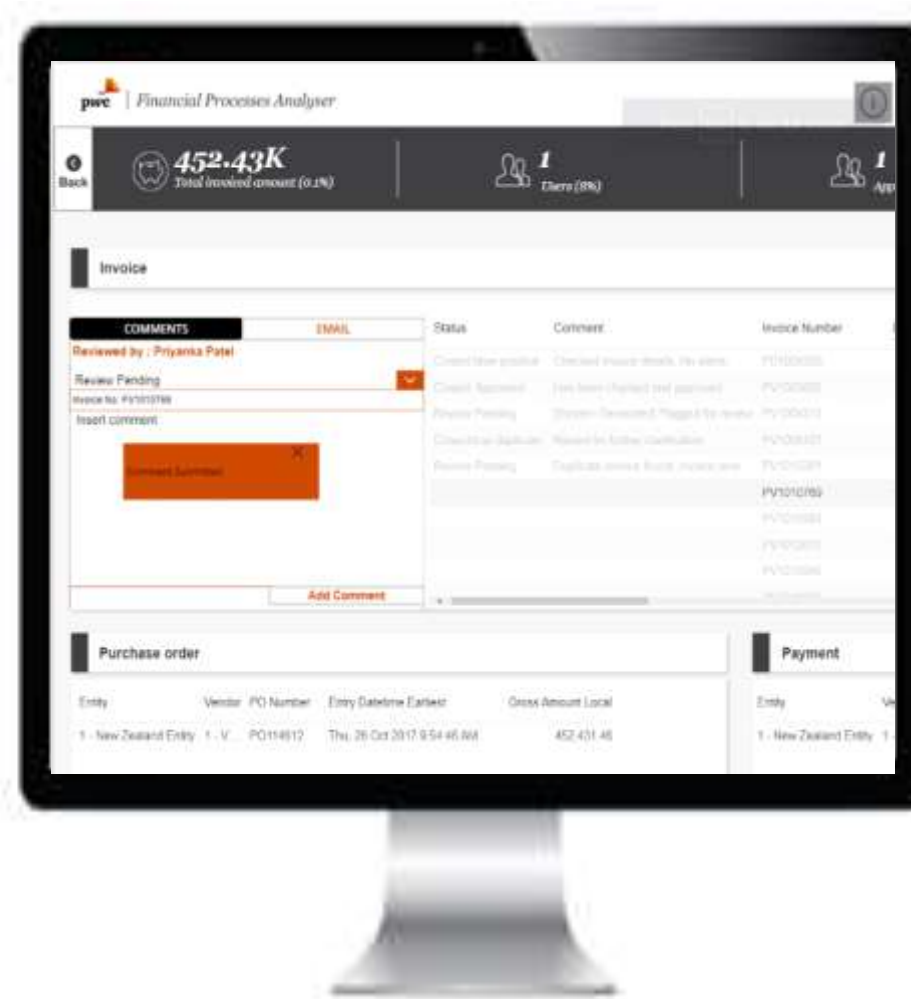
Payroll Analysis

Transform employee pay slips, electronic fund transfer files and HR master data into meaningful insights and tests that can be used to address specific business risks and areas of non-compliance.



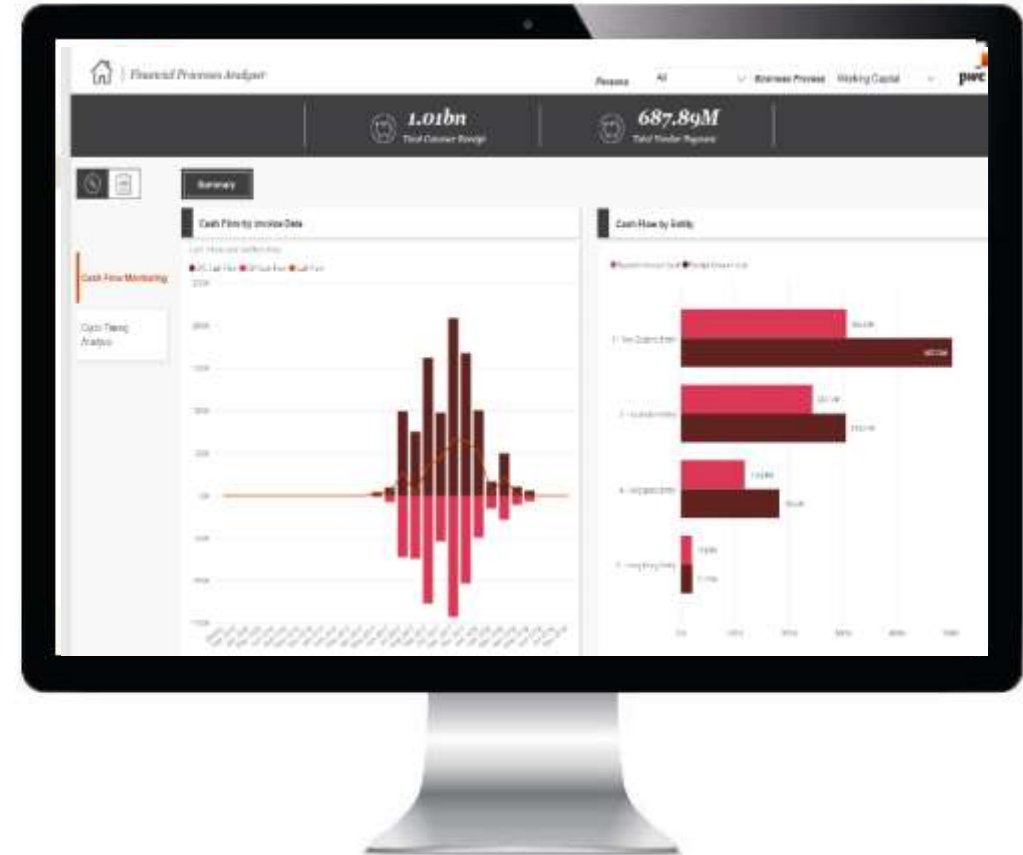
Employee expense analysis

Discover trends and patterns within the population that otherwise would not be apparent. Multiple filters can be applied to further analyze the information within the expenses population.



Working Capital

Continuously monitor payables, receivables and cash level and identify opportunities to improve contract negotiation, cash management and bad debt governance



Custom-fit analysis

Tailored to
company-specific
needs

Interest recalculation	Retail sales/store finance/inventory analyser	Financial crime alert monitoring	Financial crime diagnostic platform	Suretax fixed assets
Revenue recognition analysis	RAVE	Social sentiment analysis	Credit notes analytics	Customer waivers analysis
E-commerce digital radar	Retail marketing analysis	Retail distribution risk radar	Premium recalculation	Spend analysis
Insurance claims analytics	Operational enhancer for emerging business in TMT industry	Reserve oversight notification for insurance	Claims risk assessment	

Custom-fit analysis

Tailored to
company-specific
needs

Account erosion
analysis

Process
intelligence over
transport
accident claims

Life claim
profiling

Roll-forward
reconciliations

Valuation
reperformance

Fair-fee-
charging check

Data quality

Accountability
dashboard
(BEAR)

Data workflow
automation

Brokerage
recalculation

Legacy policy
system
reconciliations

Data integrity
monitoring

Credit card
payment allocation
re-performance
testing

Fees conduct
risk review

Complaints
analysis &
sentiment
measurement

Loan origination
overstatement

Multi-variable
heatmap for
mortgage loan
origination

Testing new core
banking system

Capital efficiency
opportunities on
mortgage offset
accounts

Custom-fit analysis

Tailored to
company-specific
needs

Conduct
analytics
platform

Revenue
CAATS

Maintenance
repairs and
automations

Credit loans
process
analysis

Asset quality
policy
compliance

Demographic
analysis

Patient data analysis

Suspicious
transaction analysis

Revenue assurance

6

Q&A



Thank you

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