OpenWorld 2017 Oracle Analytics Roadmap

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Safe Harbor Statement

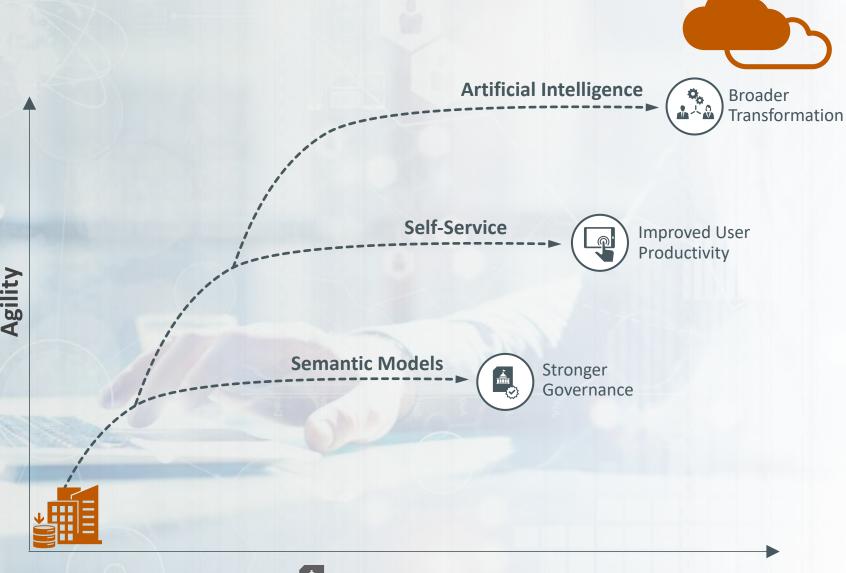
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Modern **Analytics Strategy**









Business Value



What Makes Oracle Big Data Analytics Compelling?

Pervasive





Comprehensive



Oracle Analytics delivers business insights to millions of users every day across Oracle SaaS and Oracle PaaS. Enrich your data with Oracle Data cloud (including 5 Billion consumer profiles) to achieve actionable insights

Empower every type of user in a community via easy, intuitive experiences. Single platform for all types of users to engage, collaborate and elevate community wisdom

Anywhere



Operations Management
Subscription Pricing
Elastic Scalability



Oracle Coud @ Customer

Run your analytics anywhere (Cloud, Cloud@customer, On Premises), manage your data anywhere. Enjoy the flexibility of changing your mind anytime.



The New Oracle Analytics Cloud

ANALYSTS RECOGNIZE AS #1





Smart Analytics for Everyone



ANALYSTS

- Faster time to insights
- Share, collaborate and maximize community's wisdom



BUSINESS LEADERS

- Easy, timely, proactive business insights
- Empower to go beyond consuming others' findings



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- Develop and deploy analytic applications for people to customize and personalize
- Embed analytics in any application context



Liberate Insights from Any Data

Easy access to a variety of data sources

- Few clicks to setup and use
- Vast number of sources supported

Special Oracle SaaS Integration

- Access to business entities, not just tables and columns
- Respects security, business rules, and governance on source systems
- Leverage calculations and business logic in reports

Inline or "Extract-and-Analyze"

• IP built over two decades in function shipping (sourcespecific code generation) and internal execution now powers business user self-service



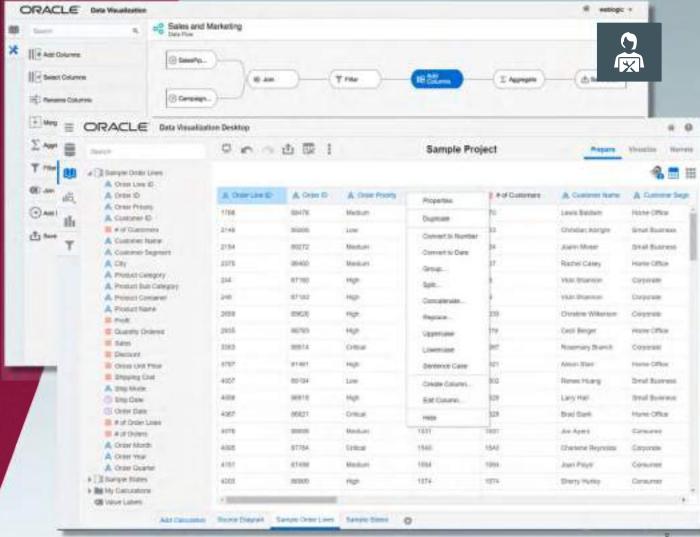
Powerful Data Flows and Enrichment

Full-featured pipeline designer

- Deploy prepared transforms within robust data pipelines
- Blend multiple data sets, aggregate results, define the order of complex data flows

No coding skills required

- Provides an intuitive user driven data preparation interface
- Standardize inconsistent values, replace null values and remove duplicates
- Create custom groups and expressions





Interactive Visual Composition

Best Data Visualization Capabilities

- Rich palette of chart types, combo charts of lines, areas, bubbles, and more
- Smart Chart advisor automatically selects best fit visualization based on selected attributes
- Trellising for every visualization; customizable color palette
- Brushing highlight correlations within data across visualizations, all auto-wired to work/update in unison, leveraging in-memory cache/execution layer

Visualize Predictive Factors

- Drag-and-drop clustering and outlier detection
- Singe-click trending and forecasting

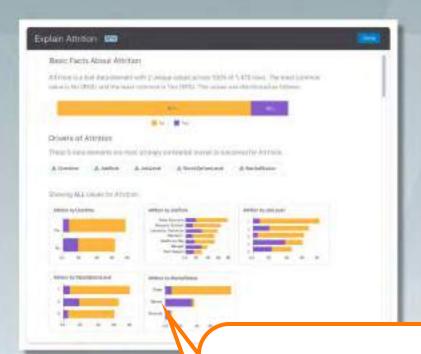


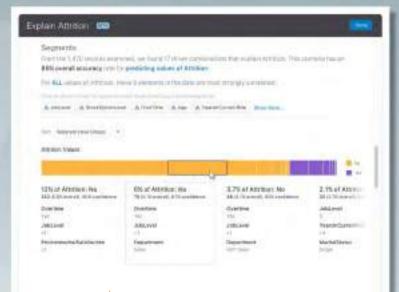




Automated Data Diagnostics – "Explain"







Learn which segments and clusters of data have highest predictive significance



Explain Attrition God

Understand value distribution and statistically correlated driving factors

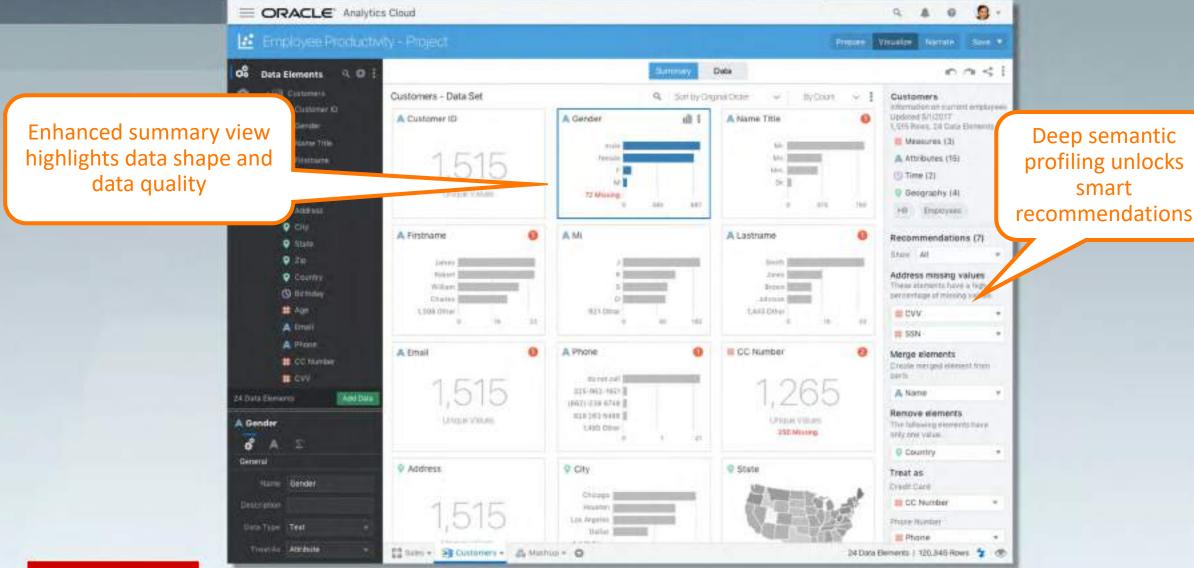
anomalies in the dataset that merit further investigation



Smart Catalog: Data Prep Recommendations

ORACLE





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Talk to Your Data with BI Ask

Powerful, intuitive keyword search

- Interprets semantic layer, user private data, expression library and catalog artifacts
- Voice-enabled
- Fuzzy match, stemming, natural language processing
- Generates on-the-fly queries visualizations are auto-created while user types

Available on all platforms

- Mobile
- Browser
- Desktop





Tell Better Stories with Your Findings

Interactive data storytelling

- Evaluate each story point, "kick the tires" and validate conclusions
- Presentation mode enables focus on the story point,
 while offering complete interactivity
- Freeform text and images enable in-place discussions

Consume anywhere

- Mobile, desktop and browser
- Native integration with mobile platforms to enable seamless hand-offs, screen-shares, and more





Build Collective Intelligence with Day by Day

Anticipates questions through self-learning

- Infuse data-based insights into daily activities
- Get customized feeds based on what you are interested in, when and where you are interested in it, and who you collaborate with
- Anticipates your needs and delivers appropriate information to help you make better informed decisions throughout the day
- Use your device's voice capabilities to obtain answers





Role-based Visualization Content Packs

Pre-built data visualization content

- Included with Oracle Data Visualization Platform
- Extends OTBI insights with pre-built data visualization sample content
- Targets specific line-of-business personas
- Identifies difficult-to-spot business opportunities, innovations and patterns
- Blends data across business functions, lines of business and applications
- Quick ad-hoc exploration of OTBI and other data with intuitive business user interface
- Near real-time access to data from OTBI and other Oracle application sources



Sales VP

Top deals in Play

Sales review

Pipeline trend

Revenue trend

Marketing

Campaign

Campaign

cost

performance

Analyst







Payables Manager

- AP Balances
- AP Holds
- AP Overdues





Grants Manager

- Budget vs. Actual
- Award Cost Details
- Award Encumbrance Details



Sales Manager

- Team performance
- Ouota attainment
- Pipeline review
- Demand generation



Service Manager

- Open incidents
- Closed incidents
- Team performance





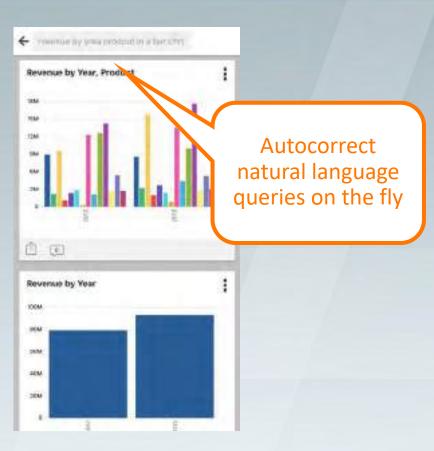


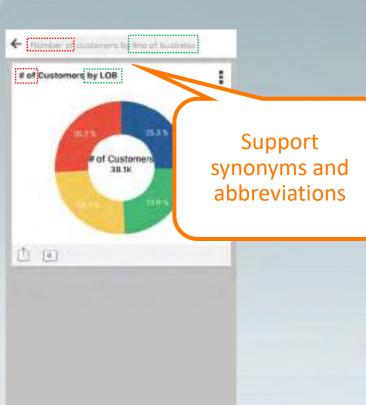


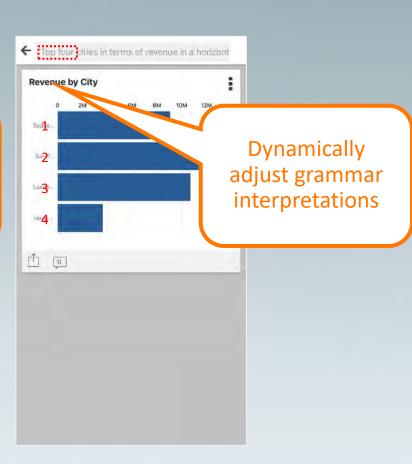


Improved Natural Language Query ("Ask")





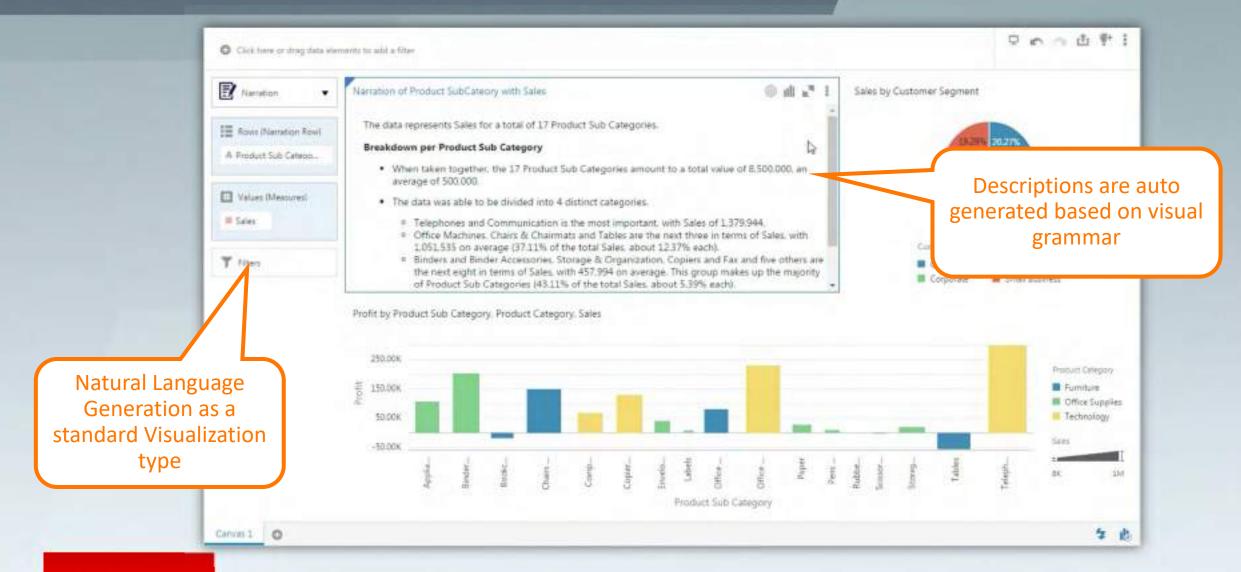






Natural Language Insights

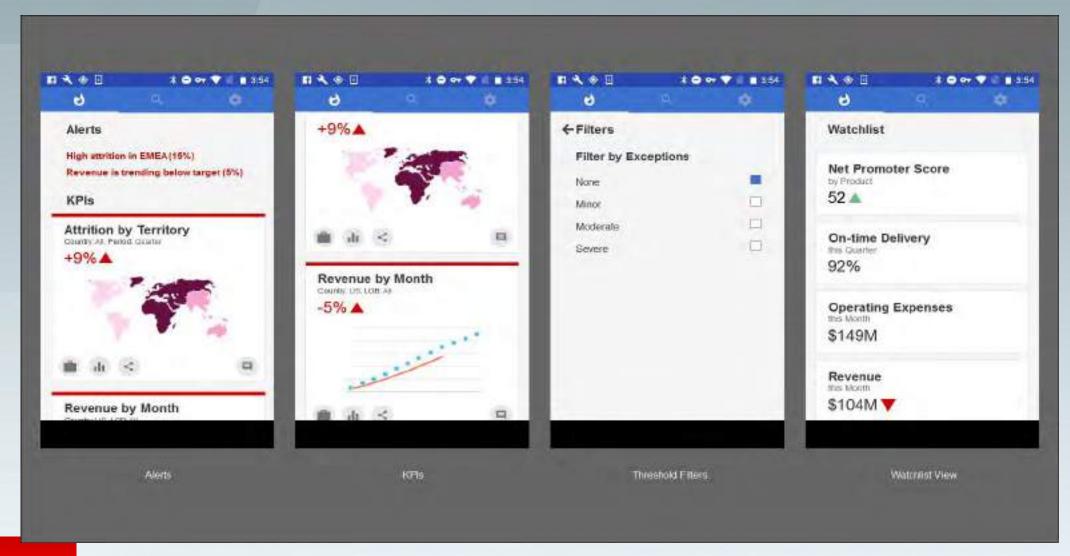






Proactive Intelligence ML/Data drive, Business context aware, Personalized experiences







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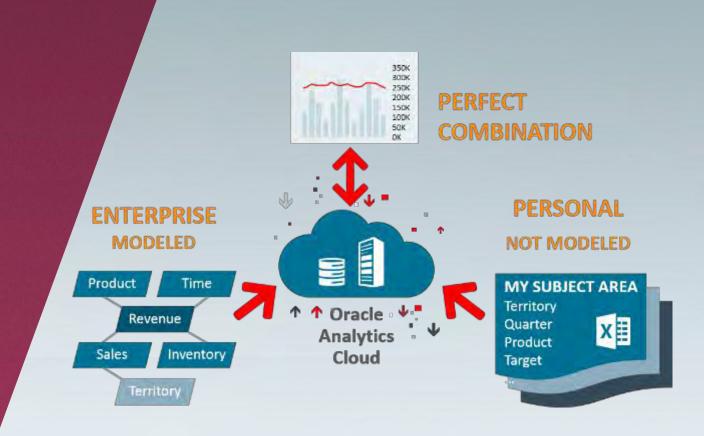
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Business Agility & Data Reliability

Balance business needs with data governance

- Combine all relevant information from any data source, managed and self-service
- Stay productive with intelligently optimized queries
- Robust data mashup support variety of join options and key inference





Easily Extensible by App Developers

Visualization SDK

- Develop custom visualizations with Javascript/D3
- 100% functional, LCM parity with native visualizations

Function extensibility

- Extend the expression library with custom functions
 (e.g., stats, machine learning or textual functions)
- Leverage custom functions anywhere Visual discovery,
 Data Prep, and more

Data source extensibility

Add data connectors to non-native sources

Full Embedding SDK

 Full ability to natively embed visualizations and stories with native interaction



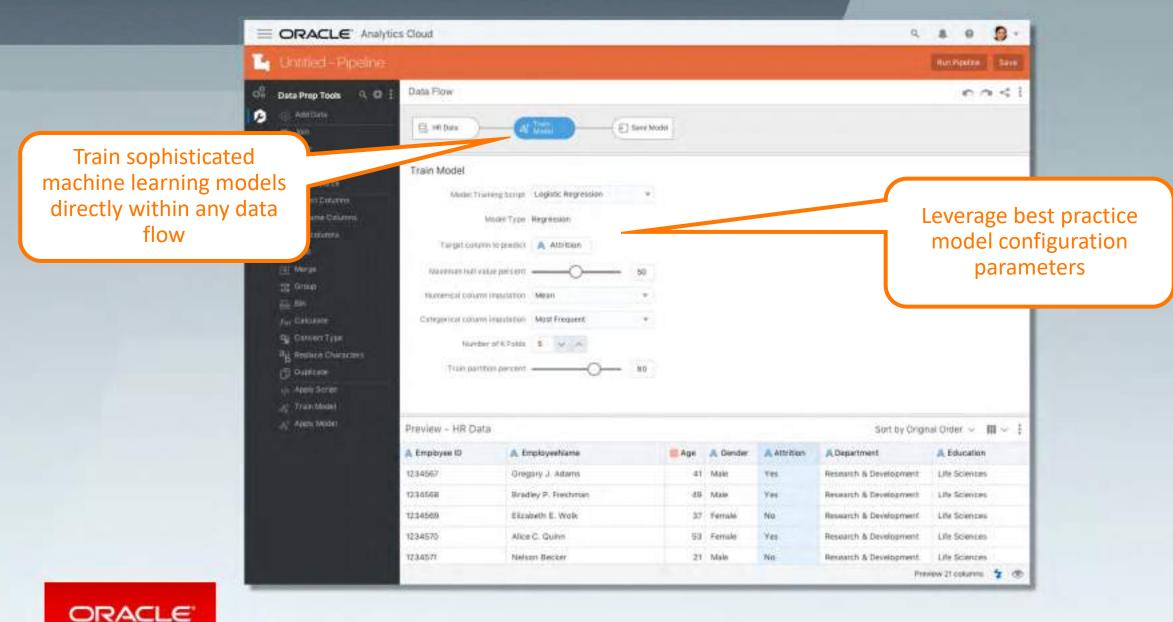






Add ML to Data Flows





Operationalize ML (aka RTD)

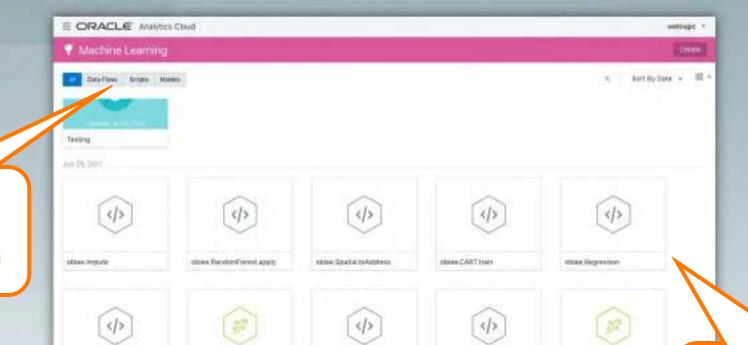
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Manage all ML artifacts in one catalog location

Model lifecycle management, scoring APIs, automated retraining and A/B Testing



Roadmap

Coming Soon

Discover

 One click diagnostic, descriptive analytics for business user

Prepare

Essbase cubes creation and update for fast interactive visualizations

Visualize

- Action plugins for initiating transactional operations
- Pixel perfect reporting BIP
- Adaptive, personalize insights feeds across
 Cloud and Mobile

AI (Intelligent Data Services)

 Develop custom ML models using OOTB algorithms or custom. Use Data flows to train, save and score against models

Enterprise Cloud

- Performance with Bare Metal Cloud

Within 6 Months

Discover

One click predictive and prescriptive analytics for Business User

Prepare

- Intelligent recommendations for data blending
- Knowledge based data enrichment

Visualize

- What-If and Sandboxing
- Proactive alerts based on usage/social

AI (Intelligent Data Services)

- NLP and NL Gfor readable insights
- RTD features: Model management, online scoring, Model time versions, A/B testing and more.

Enterprise Cloud

- Scalable batch and streaming model serving
- Data flow job monitoring

Within 12 Months

Discover

 Automated catalog across all data for search, recommendations, and security

Prepare

- Streaming data flows
- Recommend domain specific predictive models

Visualize

- Team data data input and analysis in DV
- Domain KPI recommendations

AI (Intelligent Data Services)

 Pro-active Intelligence: Business context, Data driven, Community interest aware experiences. Personalized and actionable.

Enterprise Cloud

- Packaged DV Apps for distribution
- New class of applications CXO Dashboards

