

OAC: ML & AI Features and Integration

Edelweiss Kammermann

THE GLOBAL REACH OF IT CONVERGENCE



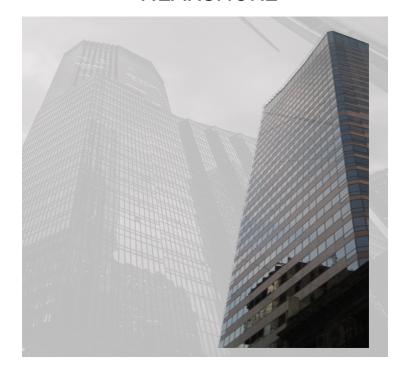
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NEARSHORE



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OFFSHORE



Hyderabad, India

Edelweiss Kammermann, Director – AI & Machine Learning



- Analytics, Data Integration & Machine Learning specialist with over 20 years of consulting and project management experience.
- Oracle ACE Director
- Speaker at international conferences: Oracle Open World, Oracle Code, Collaborate, OTN Tour LA, UKOUG Tech & Apps, Analytics and Data Summit, etc.
- Co-founder and VP of Uruguayan Oracle User Group (UYOUG),
 Director of Education (Latin America Oracle User Community) & Board
 Member of Analytics and Data Oracle User Community









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Analytics and Data Summit 2023

March 14-16, 2023 Oracle Conference Center Redwood Shores, California

Call for abstracts is open!

www.andouc.org





Augmented Analytics: What is it & Why it is important?

- Empower Business with AI and Data Driven Insights
 - Faster & more accurate insights
 - Brings value to the business
 - Reduce analysis time
 - Be ahead of the competition

OAC Solution for All Users



Consumer Users



Business Users – Author – no familiar with the data set



Super Users – Author with analytics experience



Data Scientist – BI Developer



Augmented Analytics in OAC



DATASET RECOMMENDATIONS



ANALYTICS FUNCTIONS



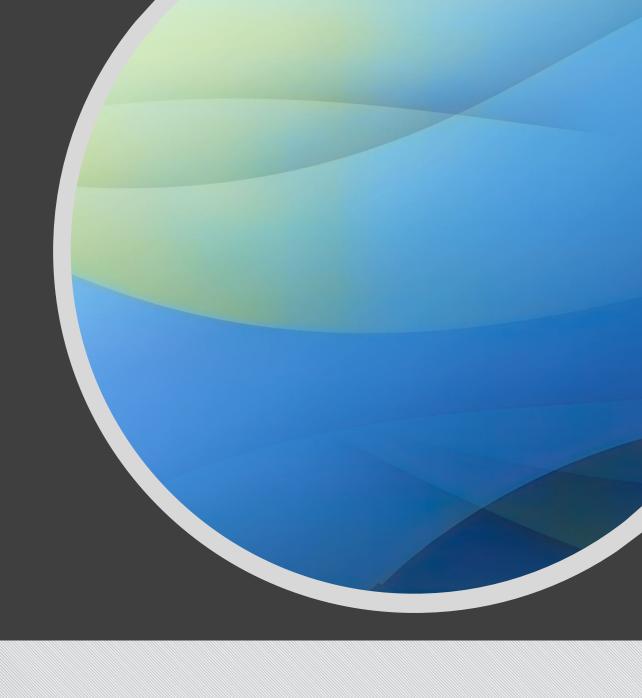
LANGUAGE NARRATIVE

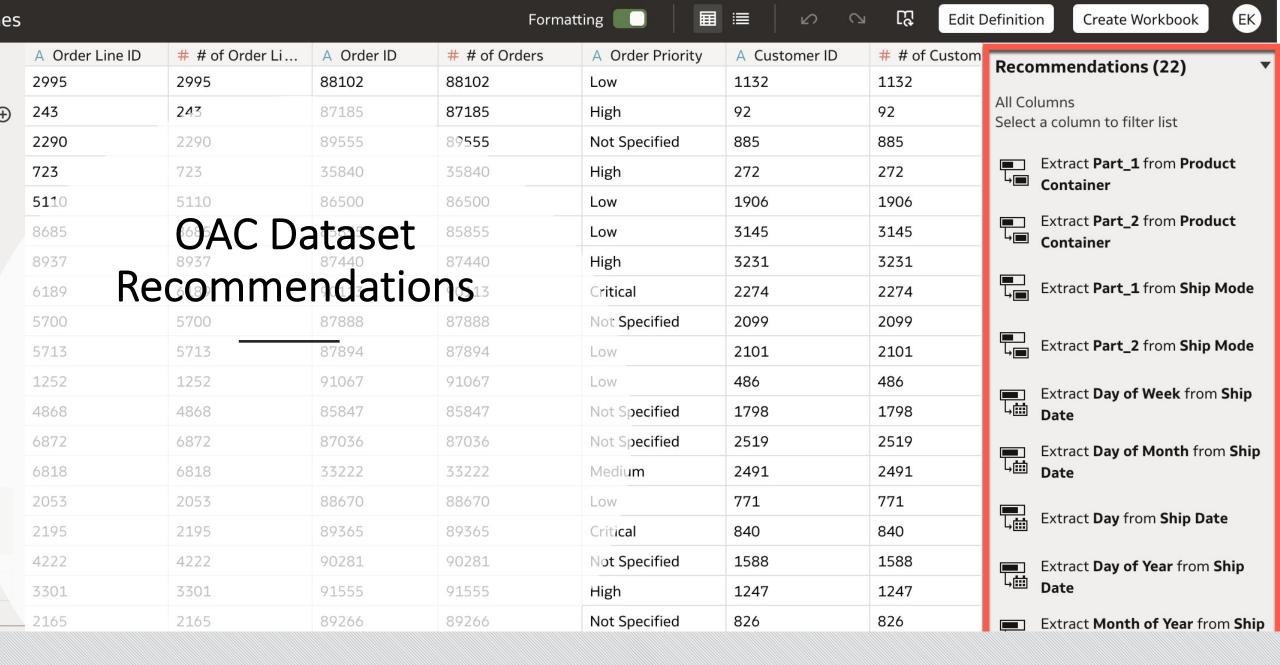


EXPLAIN FEATURE

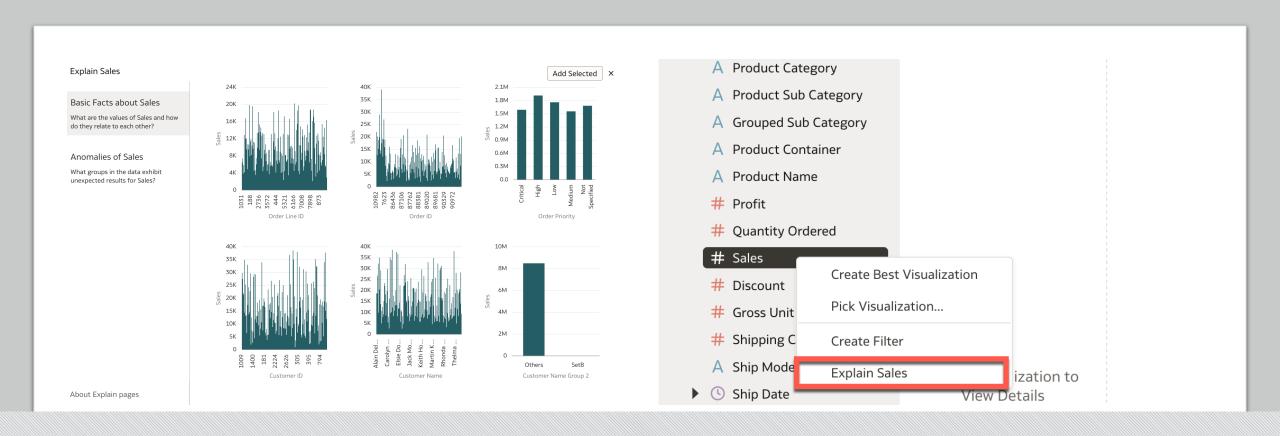


AUTO INSIGHTS

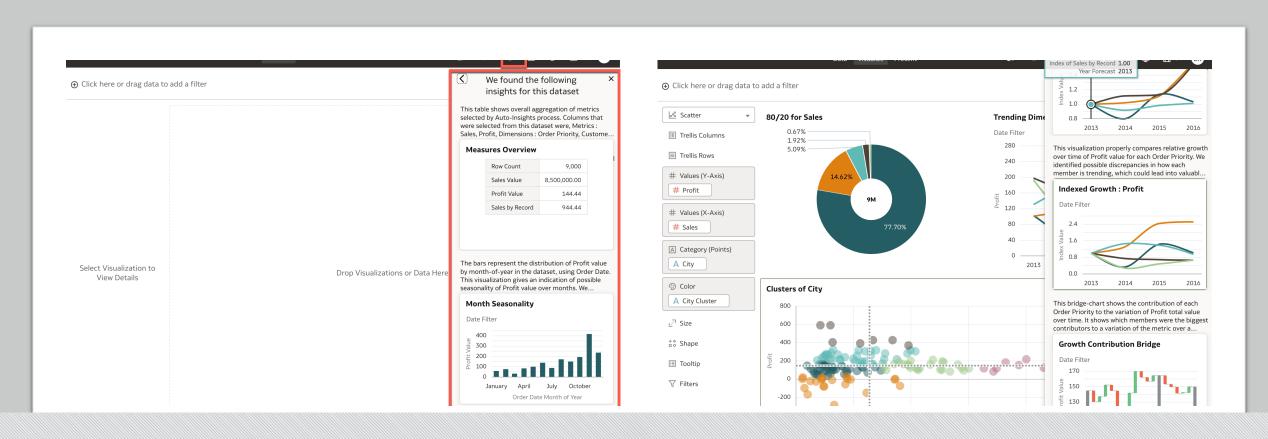




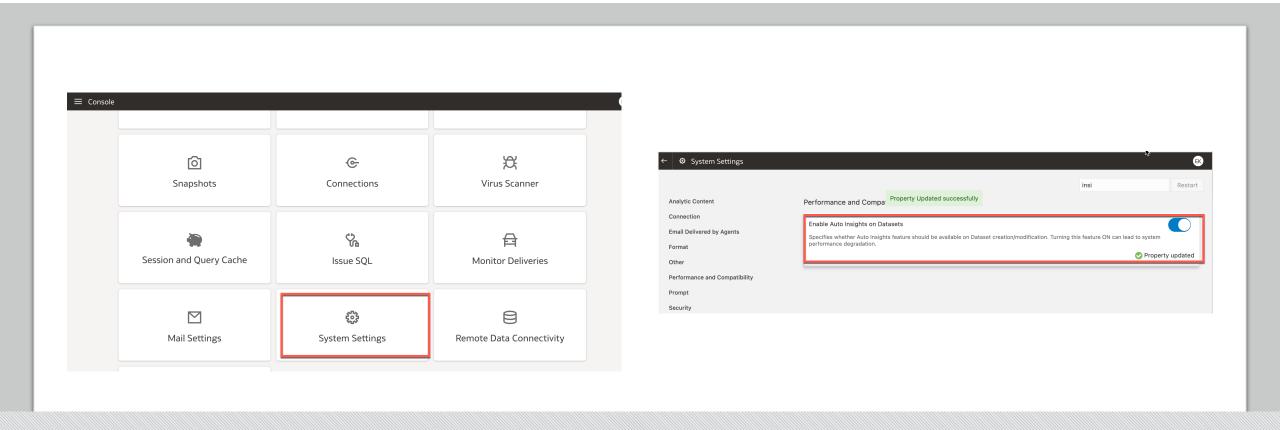
OAC Explain Feature



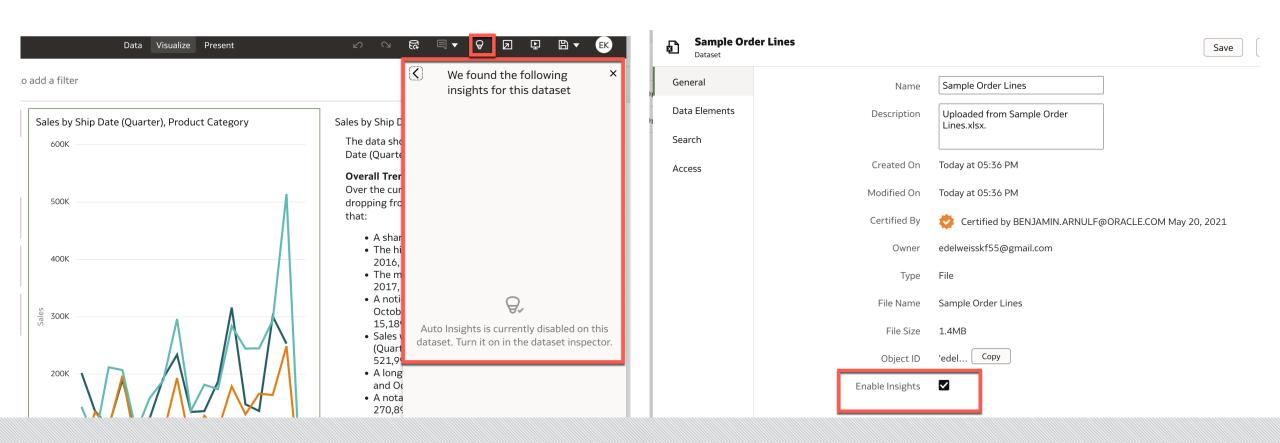
OAC Auto Insights in Datasets



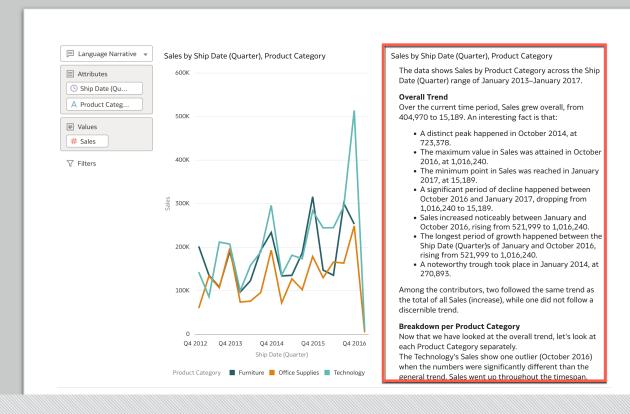
Enabling OAC Auto Insights

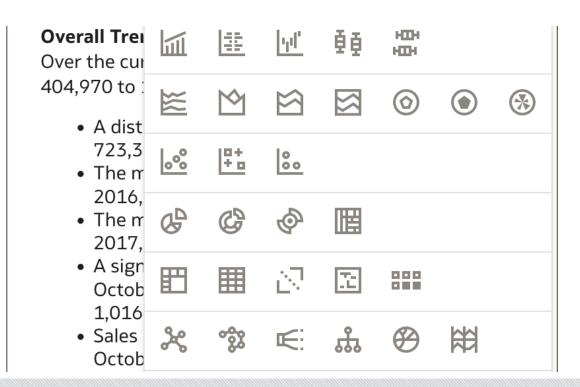


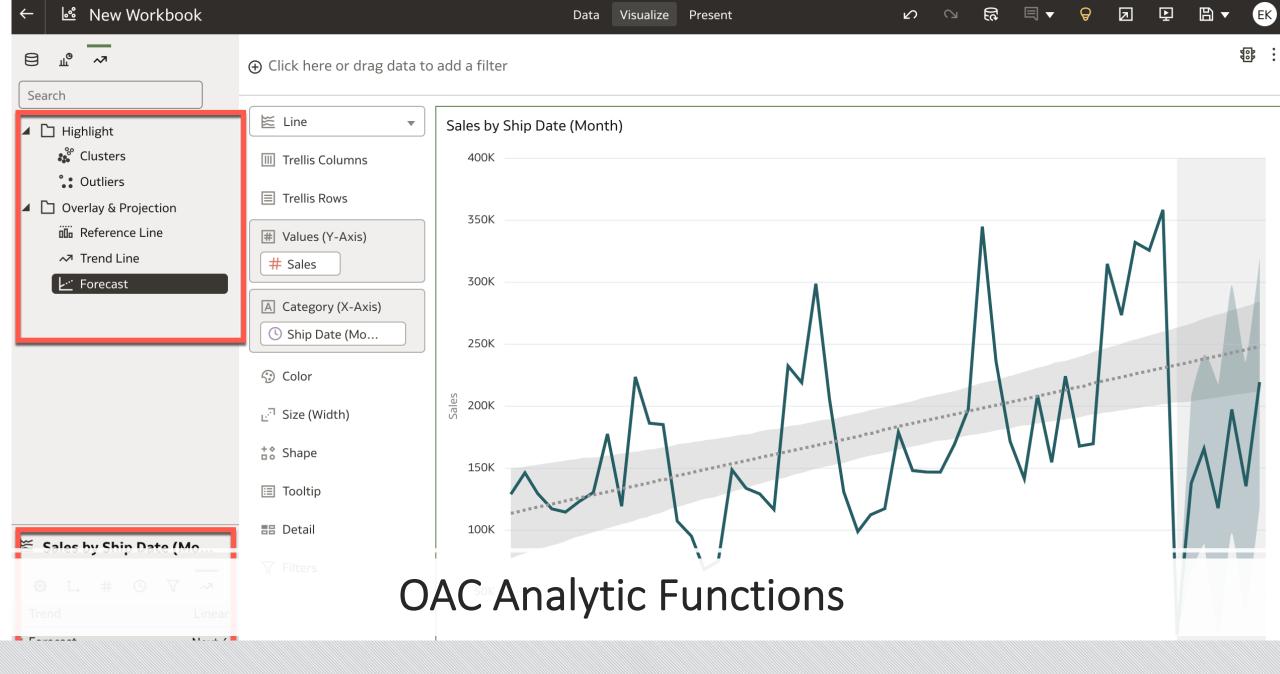
Enabling OAC Auto Insights On Existing Datasets



OAC Language Narrative Data Visualization







OAC Machine Learning & Advanced Analytics



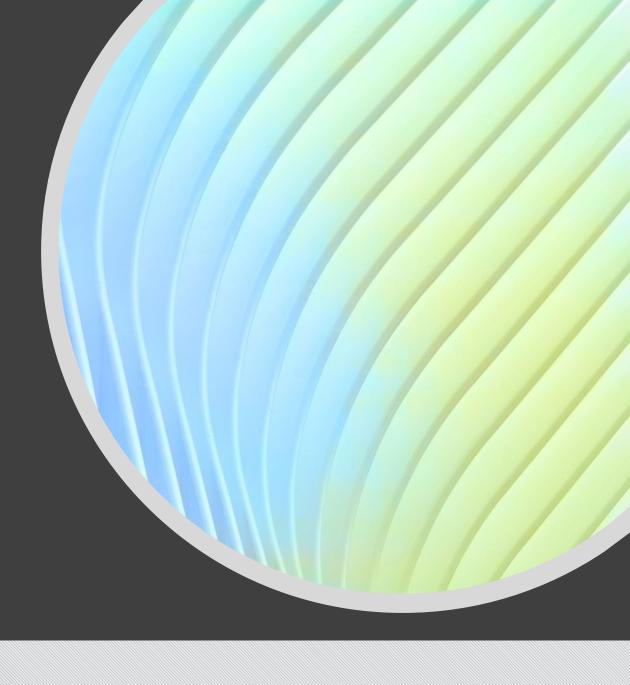
OAC MACHINE LEARNING



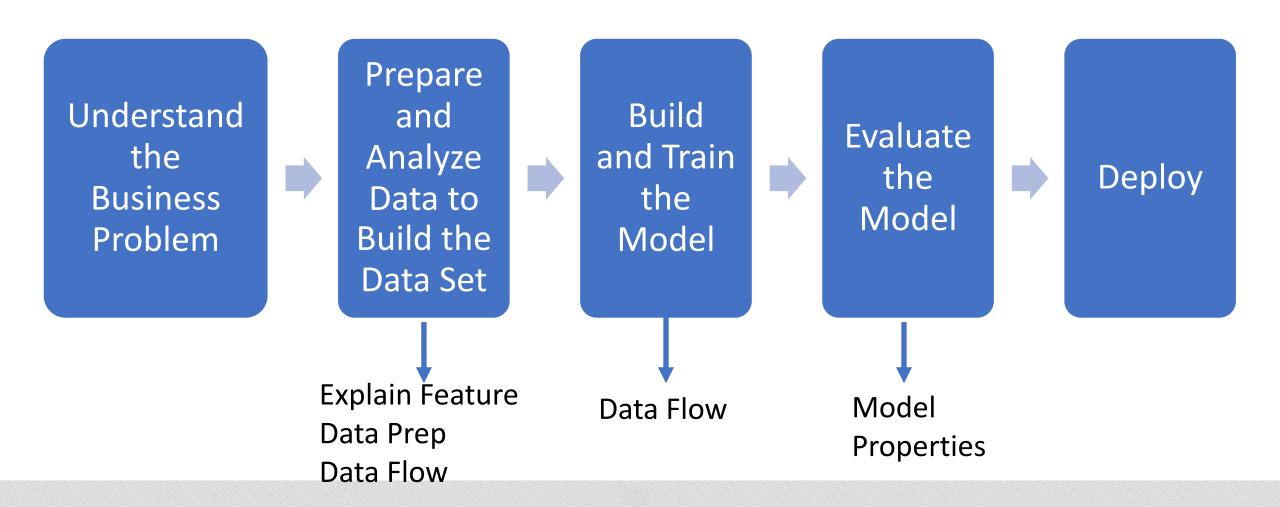
DATABASE ANALYTICS



GRAPH ANALYTICS



OAC Machine Learning Process



OAC Machine Learning Process

Supervised

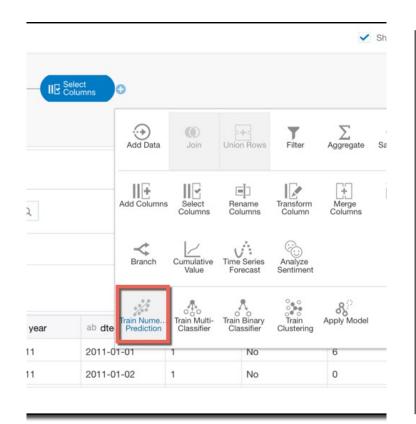
- Numeric Prediction: Rental Bike Sales Prediction
- Multi Classifier: Heart Disease prediction
- Binary Classification: Attrition Prediction
- Unsupervised

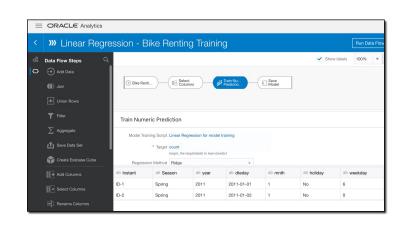
Clustering: grouping customers by purchasing behavior.

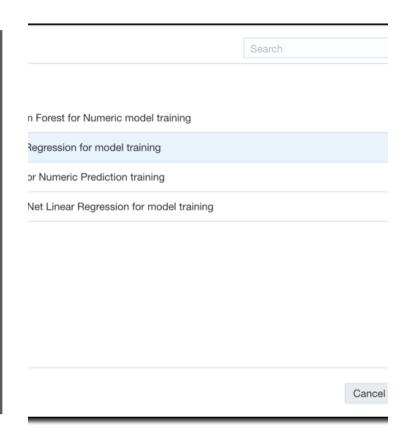




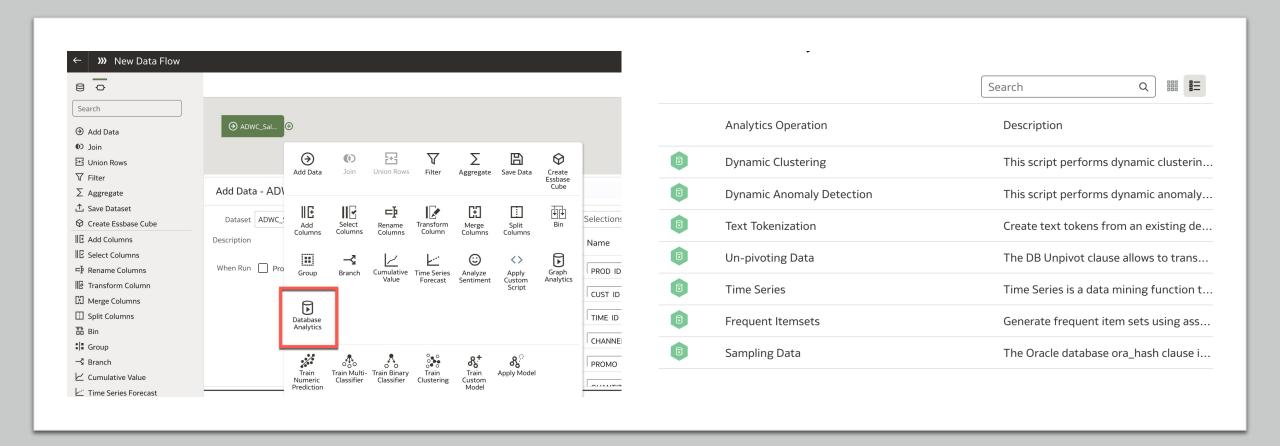
Reinforcement



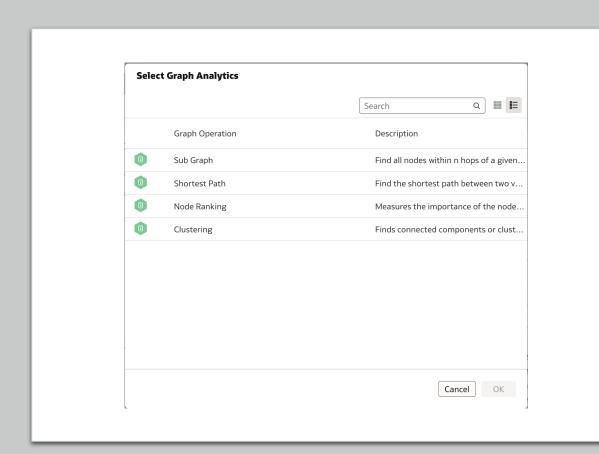


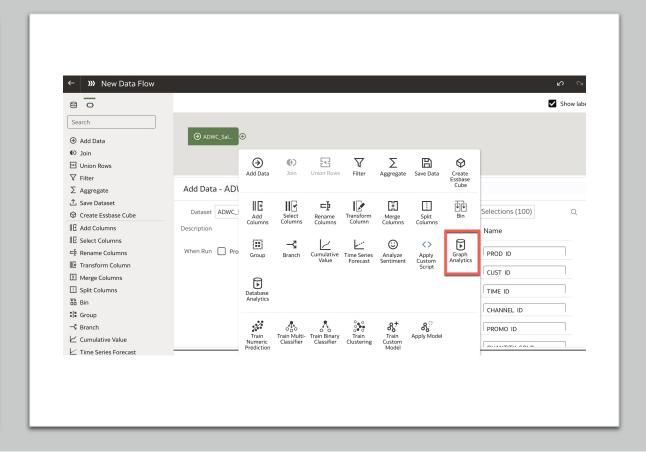


OAC Machine Learning

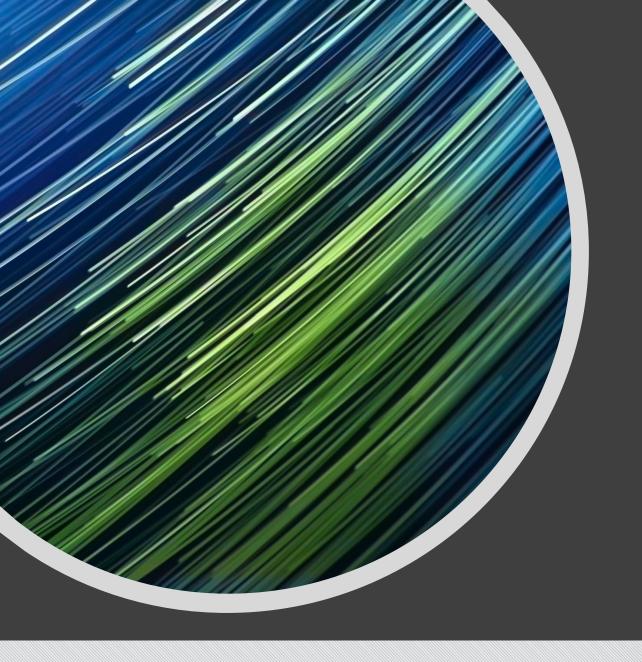


OAC Database Analytics





OAC Graph Analytics



OAC Machine Learning and OCI Al Integration



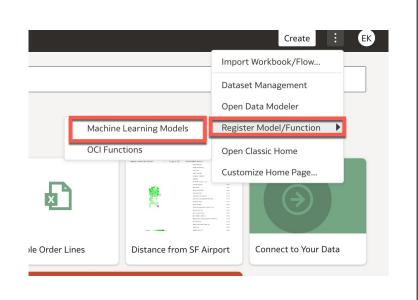
REGISTER ORACLE
DATABASE MACHINE
LEARNING MODEL

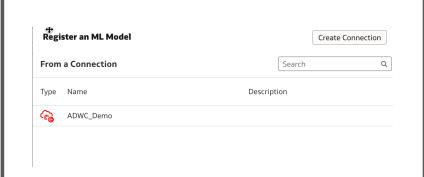


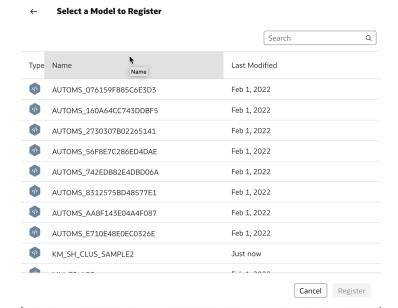
REGISTER OCI FUNCTION



OCI AI VISION

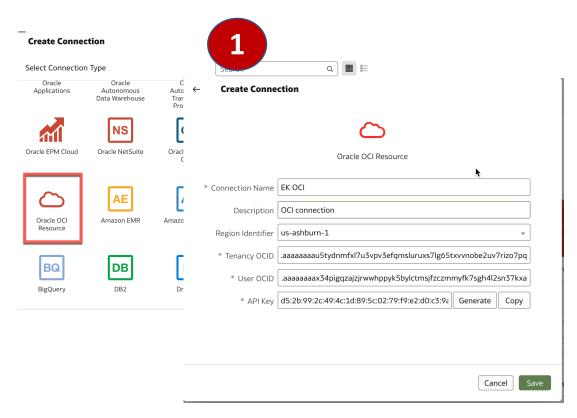


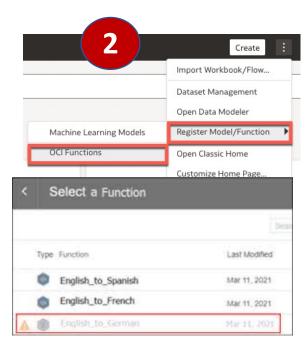




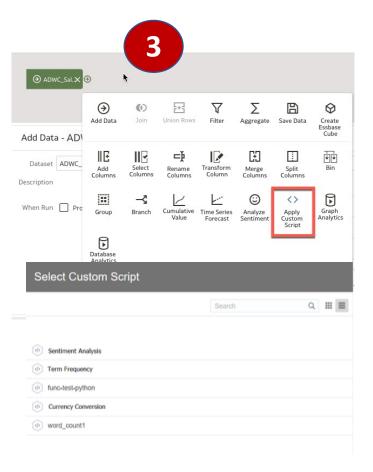
OAC: Register a Database ML Model

OAC: Register an OCI Function





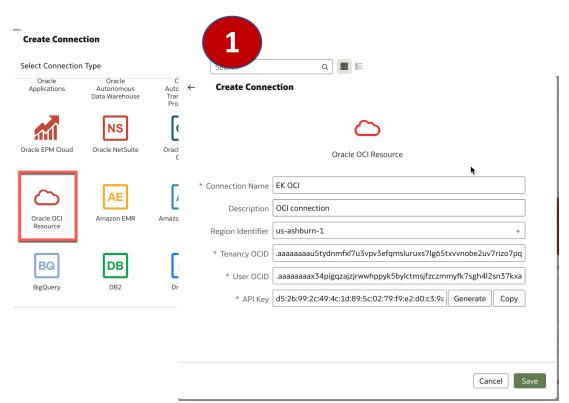
Register an OCI Function in OAC



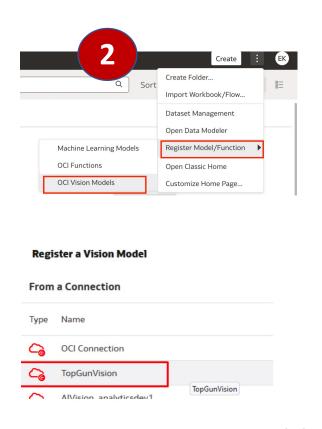
Create an OCI Connection in OAC

Create a Data Flow to use Apply Custom Script step

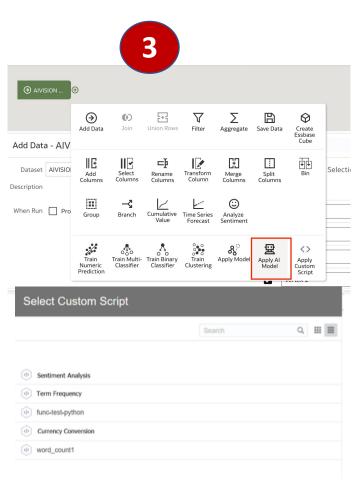
OAC: Al Vision Integration



Create an OCI Connection in OAC



Register an OCI AI Vision Model in OAC



Create a Data Flow to use Apply Al Model step

OAC: Future Roadmap



OCI DATA SCIENCE



OCI AI LANGUAGE



Oracle Analytics Cloud Useful Links

Oracle Free Tier

https://www.oracle.com/cloud/free/

Oracle Analytics Library Extensions

https://www.oracle.com/business-analytics/datavisualization/extensions/?category=.ext&textfield=&sortBy=date

Oracle Analytics Library Examples

https://www.oracle.com/business-analytics/data-visualization/examples/

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Oracle Analytics Documentation

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