December 2020 Release Announcement

Oracle Analytics Cloud 5.9

Oracle Analytics Cloud

Oracle Analytics Cloud (OAC) empowers business analysts and consumers with a best-in-class platform for modern analytics in the cloud. OAC offers modern AI-powered self-service analytics capabilities for data preparation, discovery, and visualization; intelligent enterprise and ad hoc reporting together with augmented analysis; and natural language processing/generation. No matter your role – business analyst, data engineer, citizen data scientist, departmental manager, domain expert, or executive – OAC's analytical breadth and depth offer you a way to turn data into insights.

Release Highlights

OAC leverages the Oracle Database to offer powerful new no-code capabilities in this release, including full access to machine learning outputs, and Frequent Itemset and Text Analytics. Since as much as 80% of the data in an organization is text and much of this is still unanalyzed, critical insights often go untapped. These new capabilities enable users to analyze text easily, increasing the value of your data and the reach of your analysts.

As with every release, OAC includes user experience enhancements and new visualizations. This release includes improvements for sorting and filtering, such as multi-sorting across any visualization, as well as updates to the experience for exporting and Data Actions. Additionally, there's a new Graph Network visualization in the Oracle Analytics Library extensions.

1. **Increase the Impact of Analytics with Explainable Machine Learning**
   Machine learning has traditionally been the province of data scientists. Recently, analytic applications have introduced machine learning capabilities to citizen data scientists and data analysts, offering no-code interfaces that enable anyone to run a model. Understanding that model, however, has continued to be opaque: users typically get a prediction score but don't know how the model calculated it. OAC now leverages the Oracle Database to deliver full insights about machine learning models: datasets generated at runtime show users how models compute predicted results, then those datasets can be visualized in OAC for quick insights about both the predicted outcomes and the indicators that influenced it.
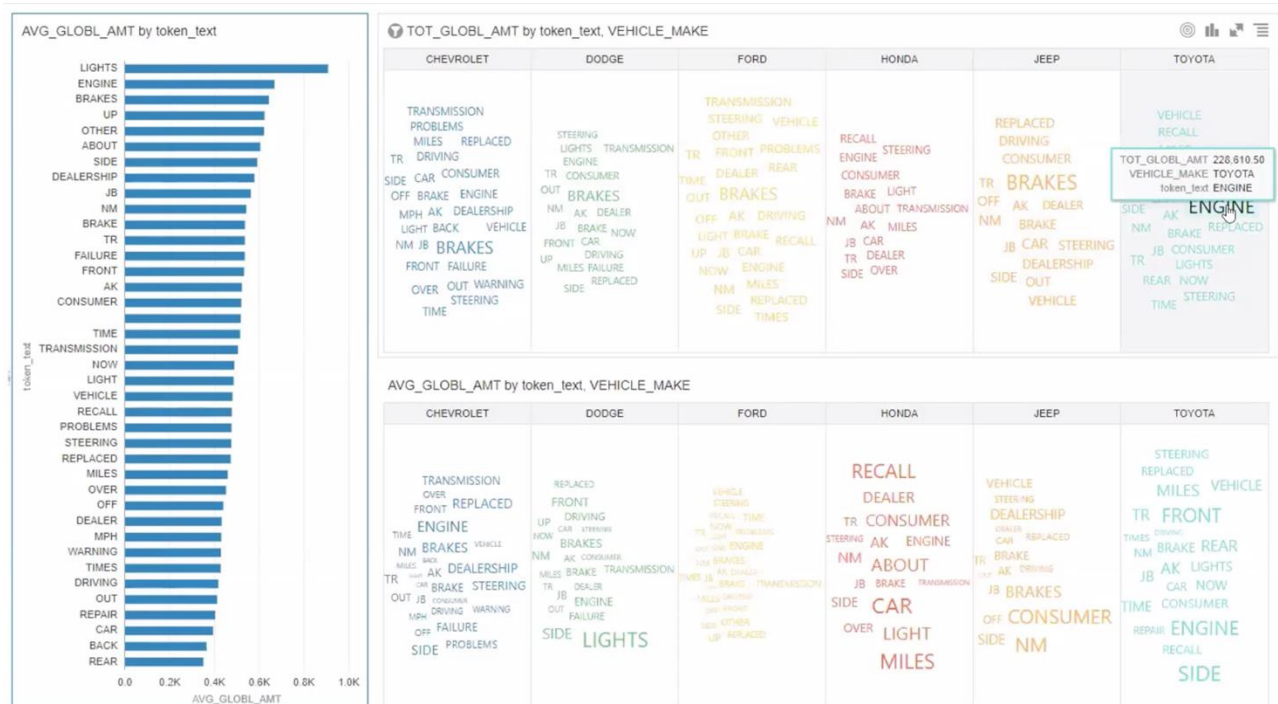
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1	No	84.48%		OVERTIME	: Value = Yes	0.28		MARITALSTATUS	: Value = Single	0.22
2	No	99.60%		STOCKOPTIONLEVEL	: Value = 1	0.12		OVERTIME	: Value = No	0.10
4	Yes	98.74%		YEARSWITHCURRMANAGER	: Value = 0	1.09		YEARSINCURRENTROLE	: Value = 0	1.01
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7	No	96.15%		YEARSATCOMPANY	: Value = 2	0.31		JOBLEVEL	: Value = 1	0.16
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15	No	84.48%		OVERTIME	: Value = Yes	0.28		MARITALSTATUS	: Value = Single	0.22

Visualize the outputs and leading indicators of your model for further insights.

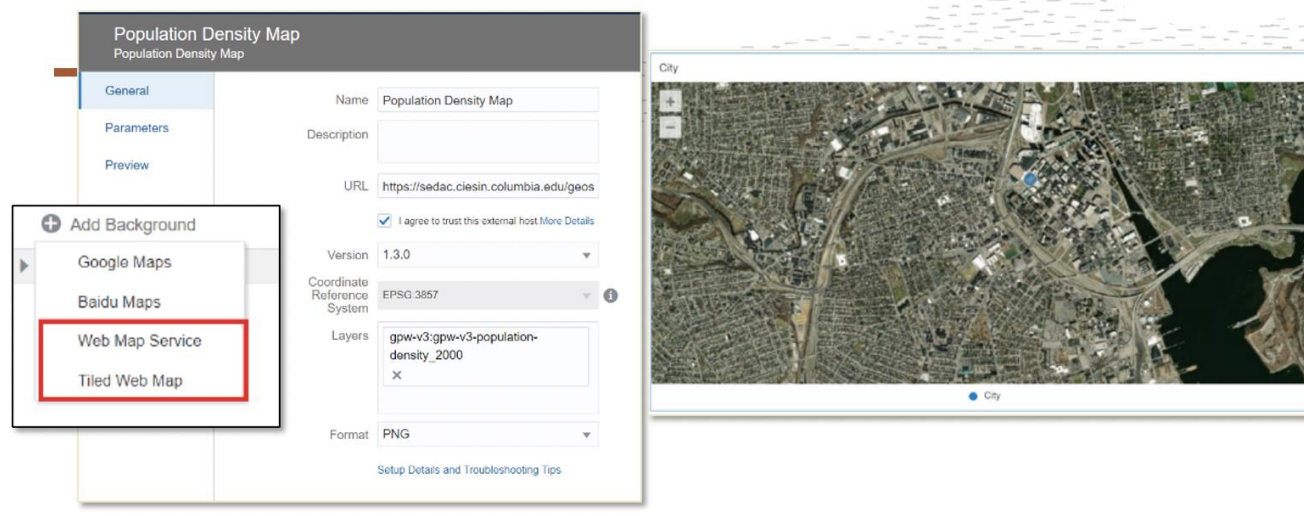2. **Extend Your Analysis with Multilingual Text Analytics**

   As much as 80% of corporate data is unstructured text – which means if you aren't analyzing it, you're missing valuable insights from the text as well as critical context it can provide for your structured analysis. OAC offers a simple no-code interface for quickly gleaning insights from text. These capabilities enable you to quickly identify the most commonly occurring text tokens, count them, and join the token analysis with your original data so you can drill into any level of detail. Text analytics is supported in multiple languages and includes the ability to apply special lexers when necessary.

Visualize, interact, and trellis other attributes in your data for insights

3. **Powerful Map Support Including ESRI, ArcGIS, and More**

   Whether you need to analyze data over a population map or overlay bicycle and bus routes to optimize coverage of an area, you now have new options to get the insights you need.   With the new map layer options, you can leverage maps hosted on a web server as a dynamic background using the Web Map Service (WMS) protocol and XYZ tile layers. This enables you to take advantage of integrating maps containing information that you may not have in your enterprise and easily present it spatially with your data.

Integrate maps from web services into your visualizations.

Getting Started
1. OAC 5.9 Select Feature Playlist
2. What's New in Oracle Analytics Cloud 5.9
3. Free Udemy Course - Modern Data Visualization with Oracle Analytics Cloud
4. Free Udemy Course - Augmented Data Visualization with Machine Learning
5. Register for 3-day OAC workshops

Resources
1. Oracle Analytics Blog
2. Oracle Analytics Community Hub
3. OAC Tech Talks
4. OAC Embedding
5. OAC Public Roadmap
6. Submit product ideas at the Oracle Analytics Idea Lab