

ORACLE

# 甲骨文漫遊雲端線上研討會

資料視覺化

分析雲

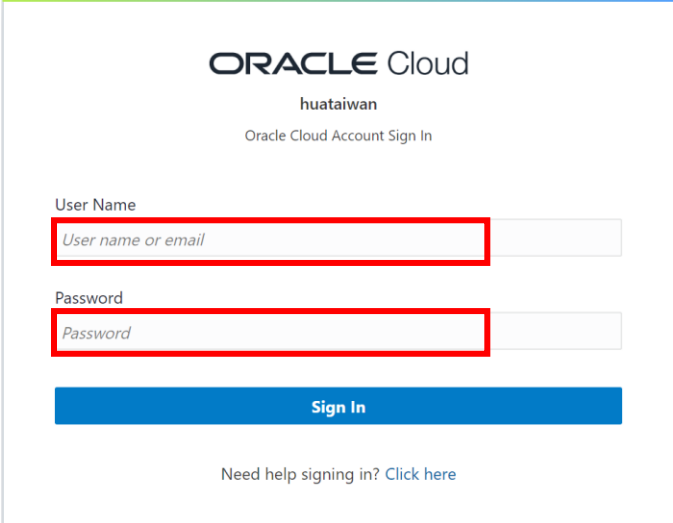


## Analyst Data Using Oracle Analytic Cloud

In this round, you will analyze finance data from Oracle Autonomous Data Warehouse using Oracle Analytics Cloud based on a dashboard created for a Finance Manager.

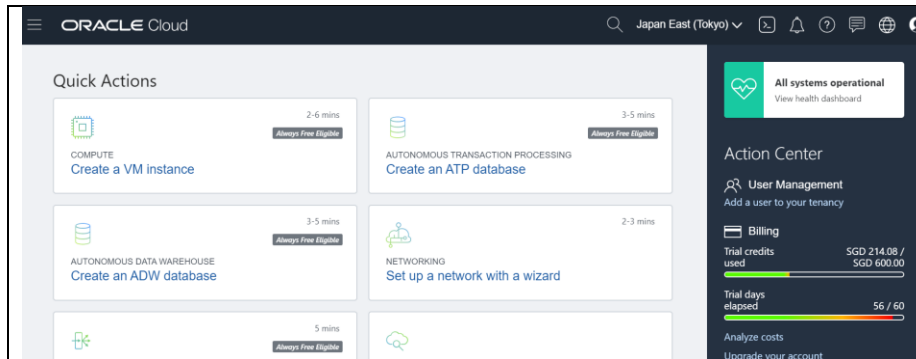
You will also see how you can upload a sample Excel file into ADW and start doing your own analysis.

### 1. Access to Finance Manager Dashboard

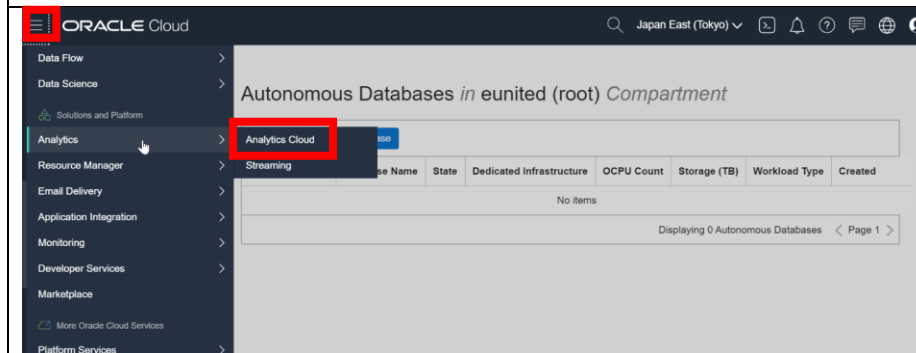
View	Click Stream
	<ol style="list-style-type: none"><li>1. Open your web browser</li><li>2. Connect to Oracle Cloud via the provided URL: <a href="">&lt;&lt;Oracle Cloud URL&gt;&gt;</a></li><li>3. Type in the User Name: &lt;&lt;user_id&gt;&gt; and password: &lt;&lt;password&gt;&gt;</li><li>4. Click Sign In</li></ol>

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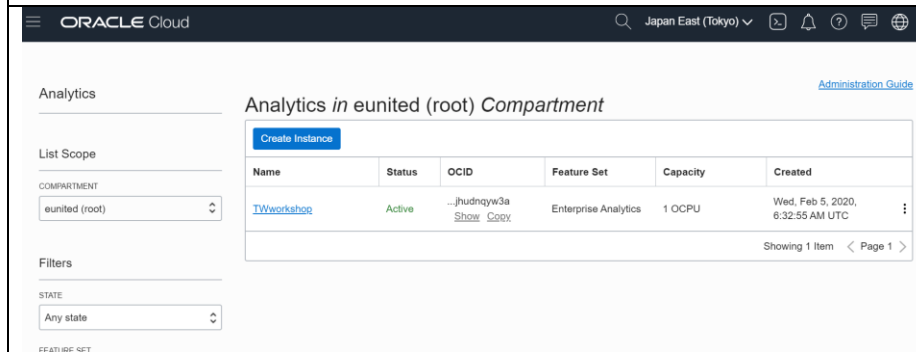
## Analyst Data Using Oracle Analytic Cloud



5. You will be log in to your Oracle cloud account



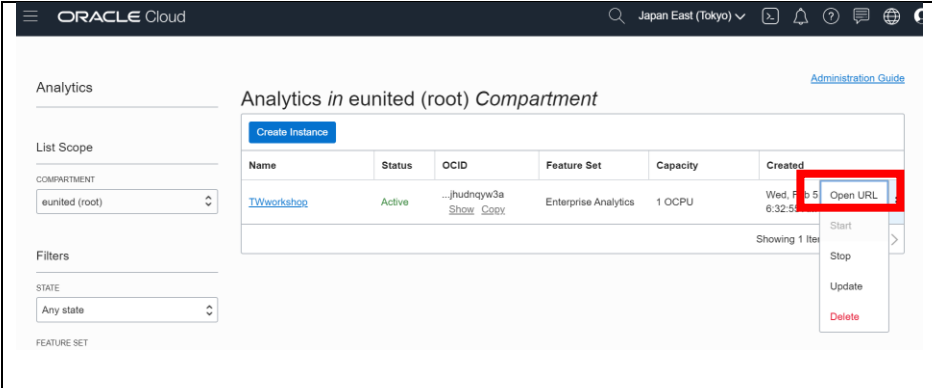
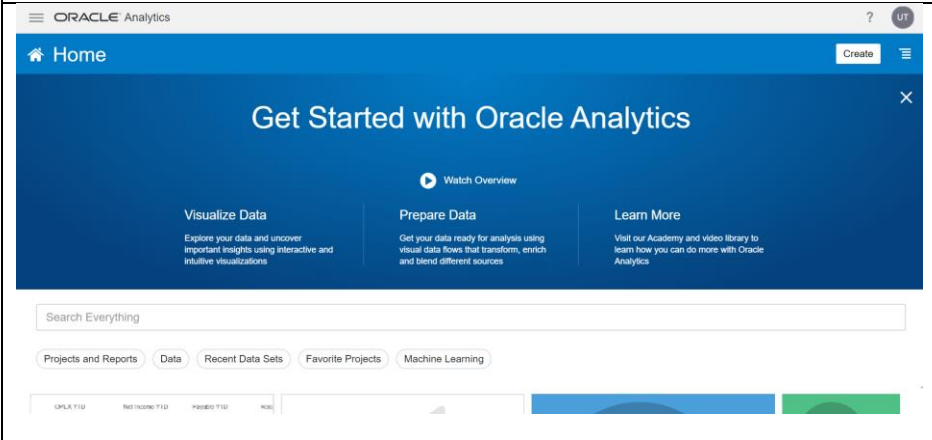
6. Go to the Navigation Icon (Top Left) and Click on Analytics.  
7. Then Chose Analytic Cloud



8. You will see a page like this

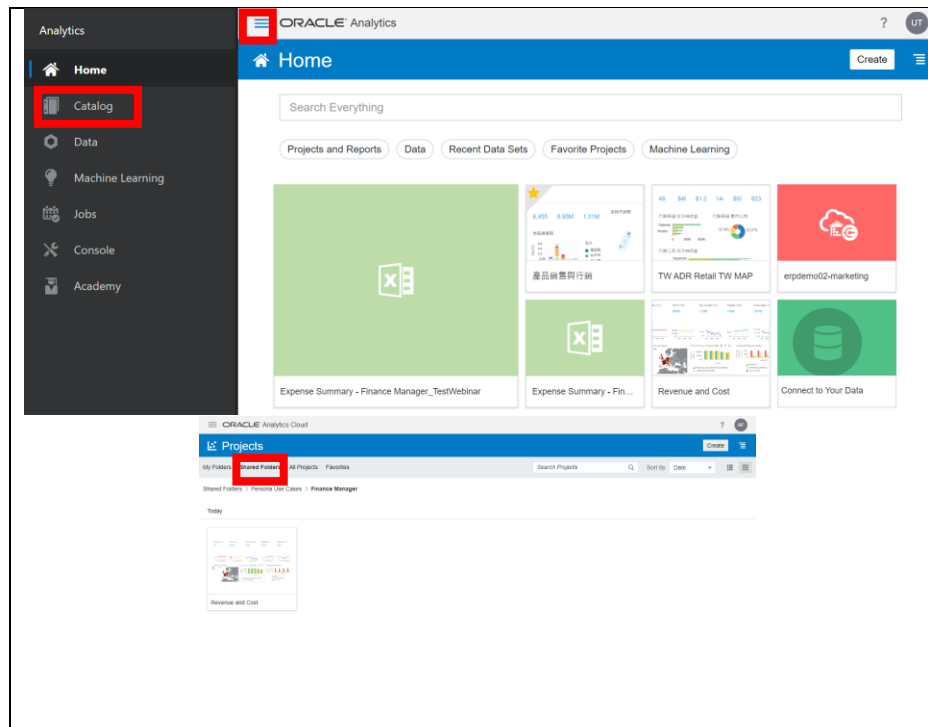
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Analyst Data Using Oracle Analytic Cloud

 <p>Analytics in eunited (root) Compartment</p> <table border="1"><thead><tr><th>Name</th><th>Status</th><th>OCID</th><th>Feature Set</th><th>Capacity</th><th>Created</th><th>Actions</th></tr></thead><tbody><tr><td>TWorshop</td><td>Active</td><td>...jhudngyw3a</td><td>Enterprise Analytics</td><td>1 OCPU</td><td>Wed, Feb 5 6:32:5...</td><td>Open URL</td></tr></tbody></table>	Name	Status	OCID	Feature Set	Capacity	Created	Actions	TWorshop	Active	...jhudngyw3a	Enterprise Analytics	1 OCPU	Wed, Feb 5 6:32:5...	Open URL	<p>9. Click on the the button and click on Open URL.</p>
Name	Status	OCID	Feature Set	Capacity	Created	Actions									
TWorshop	Active	...jhudngyw3a	Enterprise Analytics	1 OCPU	Wed, Feb 5 6:32:5...	Open URL									
 <p>Get Started with Oracle Analytics</p> <p>Visualize Data</p> <p>Prepare Data</p> <p>Learn More</p>	<p>10. Once you clicked it, you will be in OAC Portal.</p>														

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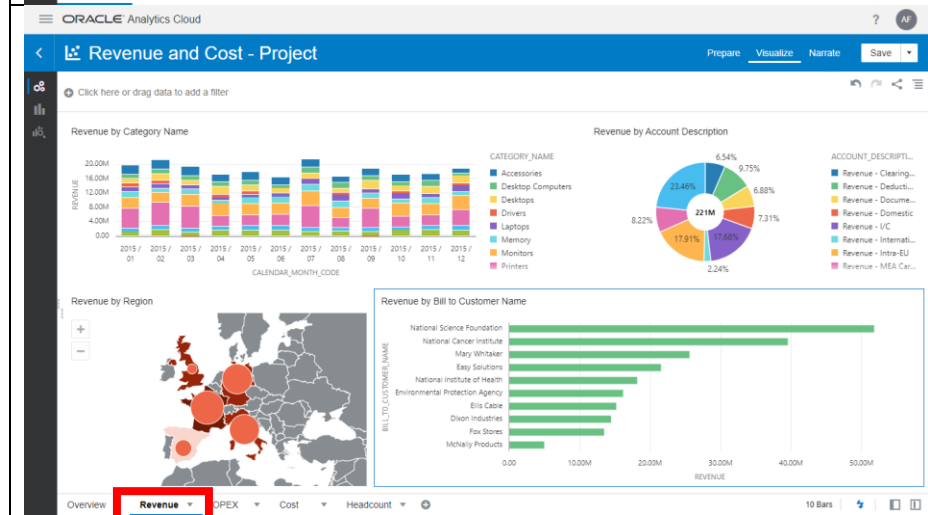
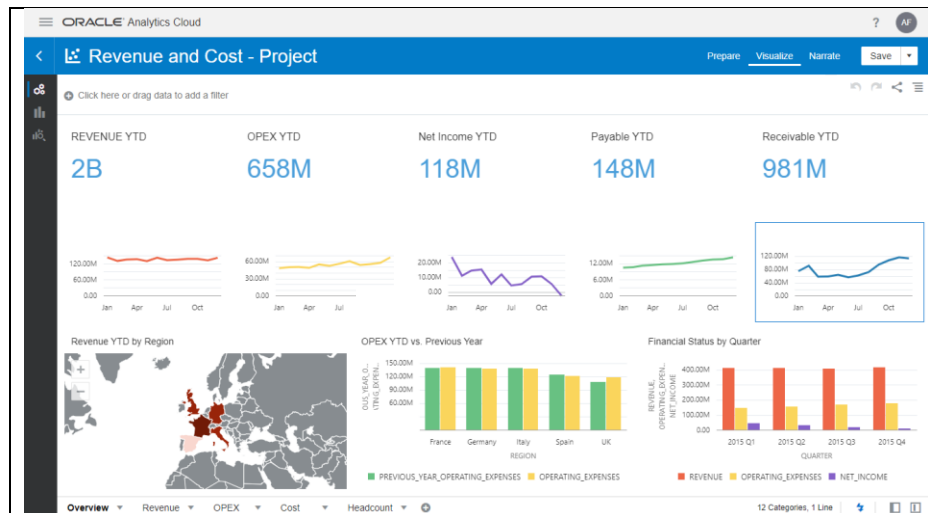
## Analyst Data Using Oracle Analytic Cloud



1. From the Home Page click on the Navigator icon (Top Left)
2. Click on Catalog Menu
3. Select Shared Projects
4. Navigate to the Finance Manager folder
5. Click on Revenue and Cost to open the project

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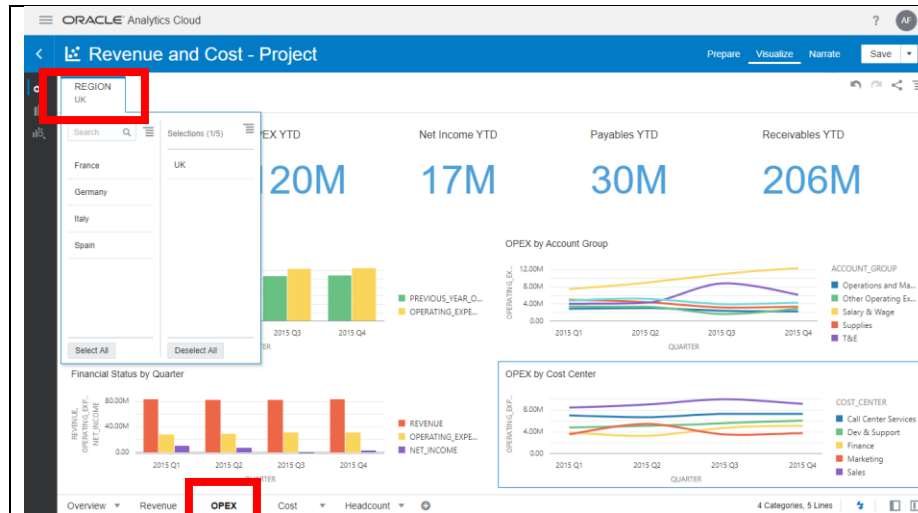
## Analyst Data Using Oracle Analytic Cloud



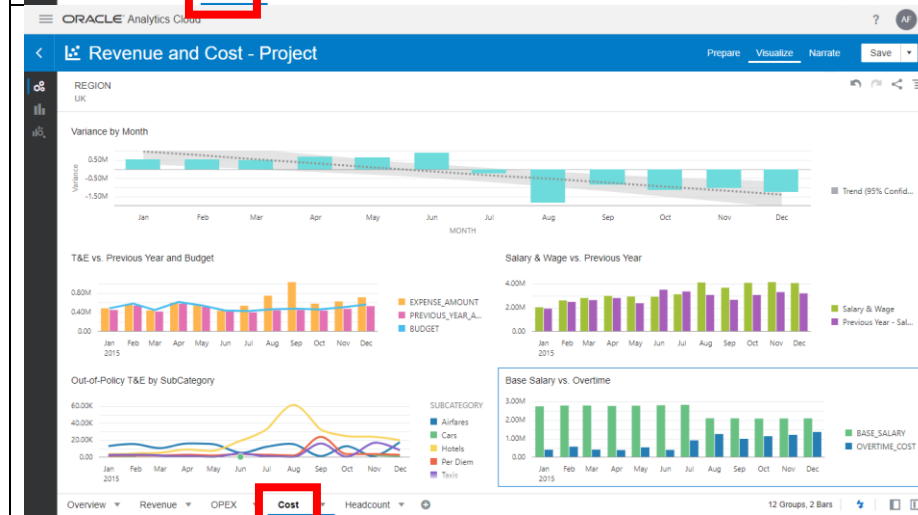
1. Click on "Revenue" tab at the bottom

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## Analyst Data Using Oracle Analytic Cloud



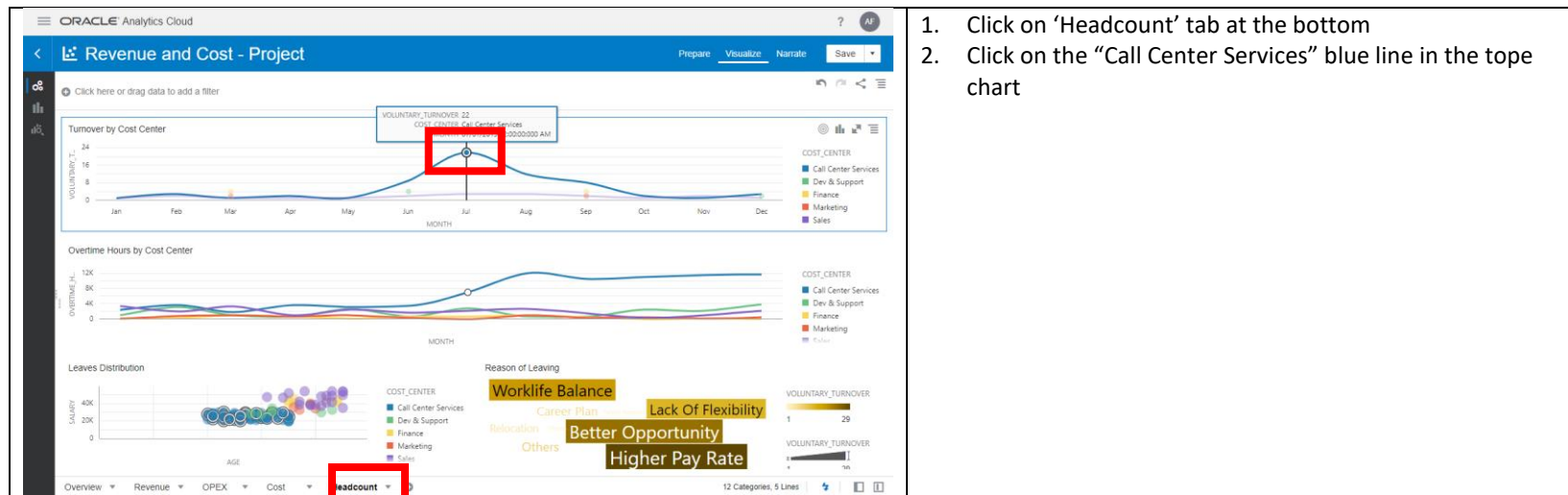
1. Click on 'OPEX' tab at the bottom
2. Click on the REGION filter at the top left
3. Select UK



1. Click on 'Cost' tab at the bottom

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### Analyst Data Using Oracle Analytic Cloud



1. Click on 'Headcount' tab at the bottom
2. Click on the "Call Center Services" blue line in the top chart

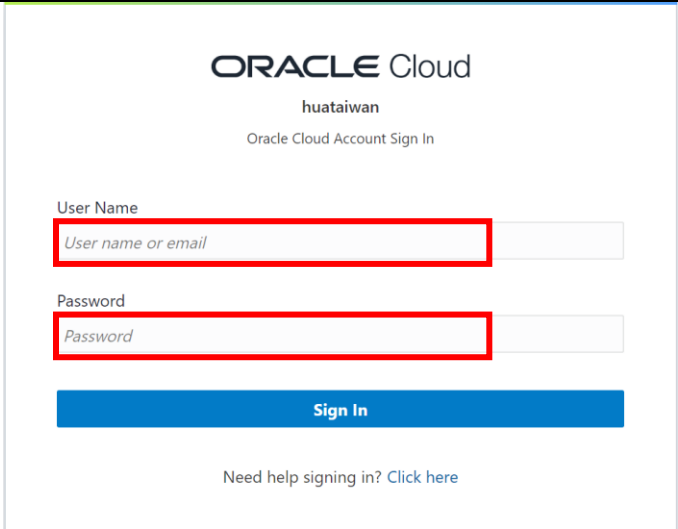

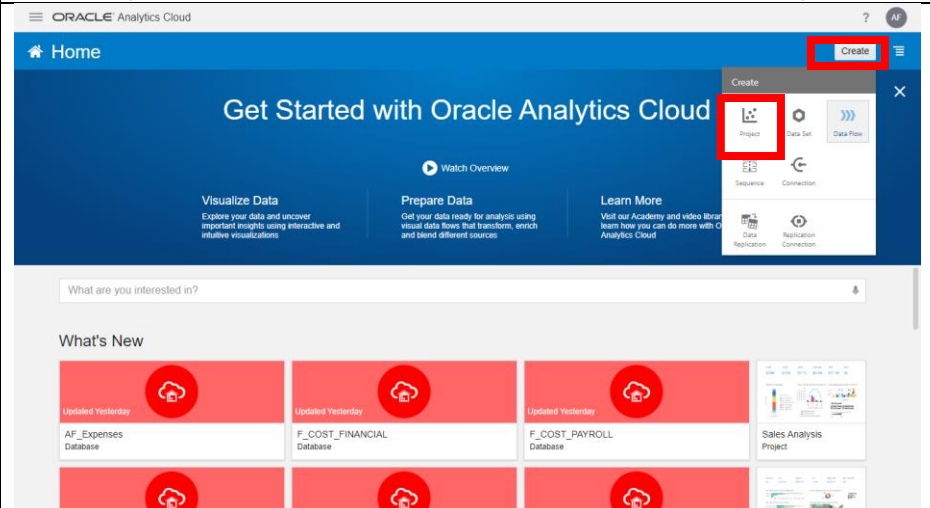
In conclusion:

- Leveraging Oracle Autonomous Data Warehouse and Analytics Cloud a Finance Manager can gain access to multiple data sources to understand of how their organization business is doing
- In this particular example it enabled us to understand why our UK business is struggling. Understanding the cost increase due to employees leaving our Call Center Services. Something we can now try to address to avoid similar issues in the future

Now let's see how you can start from an Excel file and leverage Oracle Autonomous Data Warehouse and Analytics Cloud to do your own ad-hoc analysis

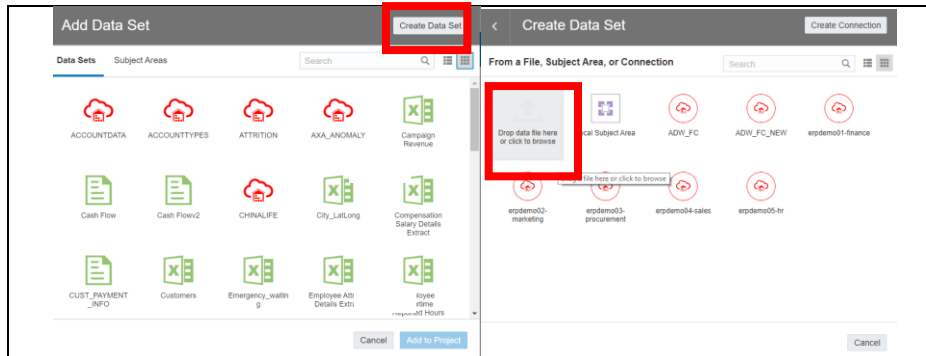


## 2. Upload an Excel file to Oracle Autonomous Data Warehouse

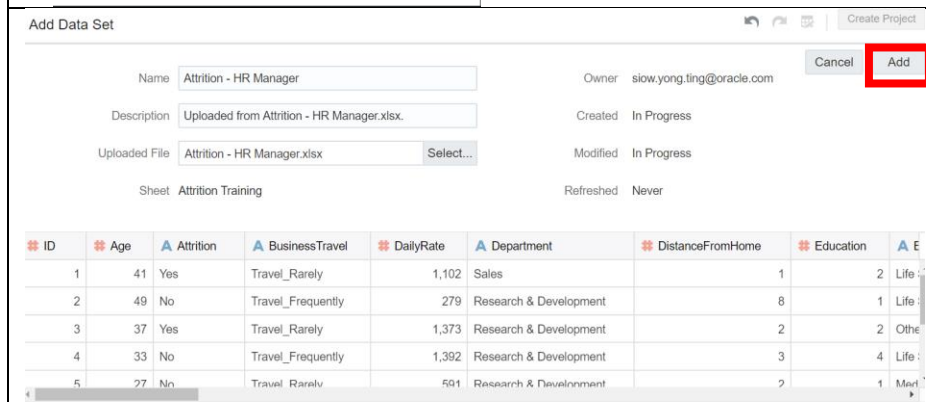
View	Click Stream
	<p><b>Click Stream</b></p> <ol style="list-style-type: none"> <li>1. Open your web browser</li> <li>2. Connect to OAC via the provided URL: <a href="">&lt;&lt;OAC URL&gt;&gt;</a></li> <li>3. Type in the User ID: <a href="">&lt;&lt;user_id&gt;&gt;</a> and password: <a href="">&lt;&lt;password&gt;&gt;</a></li> <li>4. Click Sign In</li> </ol> <p><b>Note:</b> if you are still connected to OAC after previous exercise, click on the “Navigator” Menu at the top left  and select Home</p>
	<ol style="list-style-type: none"> <li>6. From the Home Page click on Create / Project</li> </ol>

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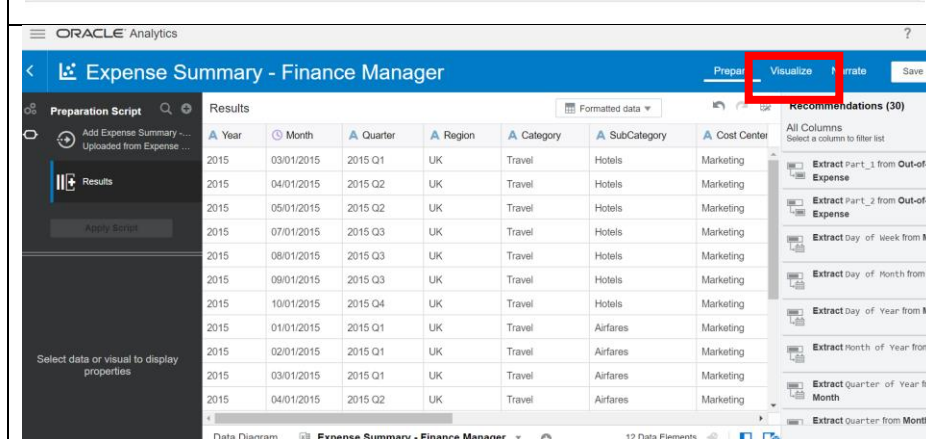
## Analyst Data Using Oracle Analytic Cloud



7. Click on Create Data Set
8. Click on Drop Data file here or click to browse
9. Select the “Expense Summary - Finance Manager.xlsx” file provided



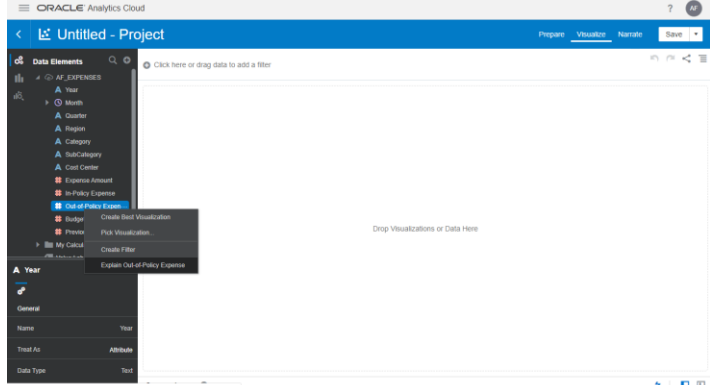


10. Click on “Add”



11. Click on Visualize to start visualise your data.

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### 3. Analyze Expenses data with OAC

View	Click Stream
	<ol style="list-style-type: none"> <li>1. Right click on “Out-of-Policy Expenses” and select Explain Out-of-Policy Expenses</li> </ol>
	<ol style="list-style-type: none"> <li>2. Check the  on the 1<sup>st</sup> chart to keep it for further analysis</li> <li>3. Scroll down to see additional charts</li> <li>4. Select the “by Month”, “by “SubCategory” and “by “Cost Center” charts</li> </ol>

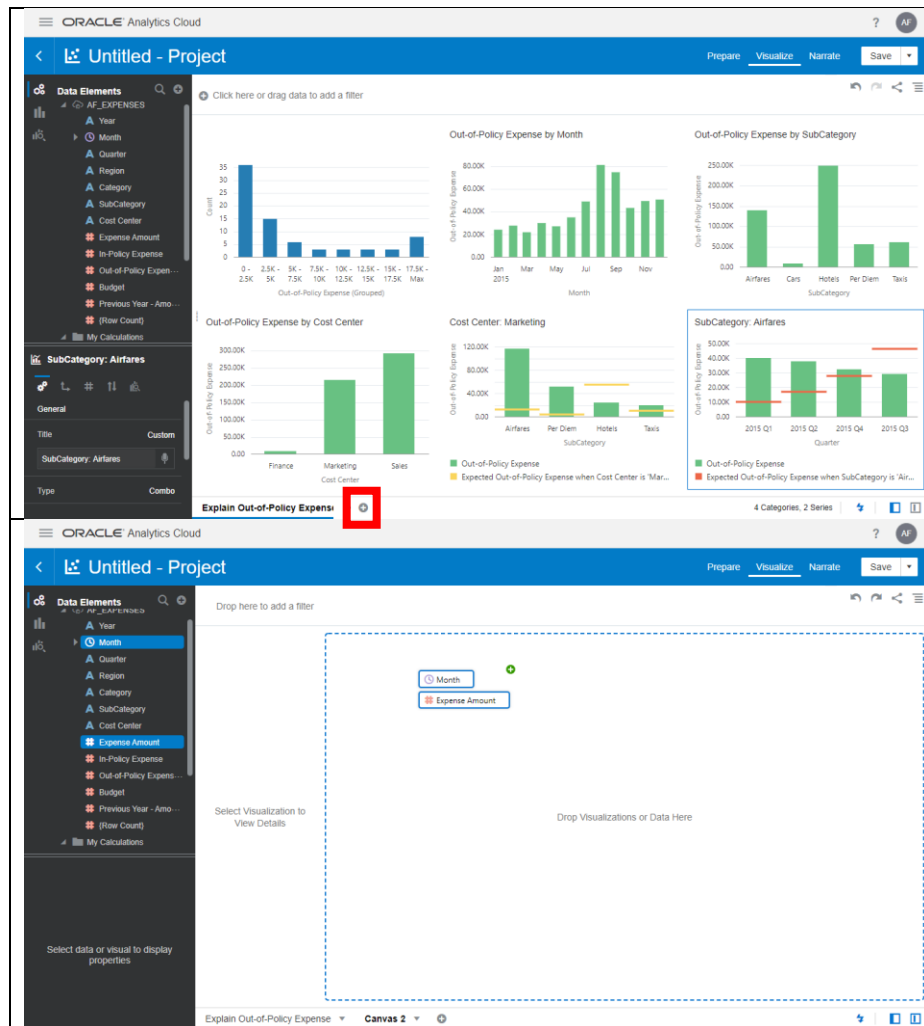
The screenshot shows the Oracle Analytics Cloud interface. The main panel displays 'Explain Out-of-Policy Expense' with a sidebar on the left containing a menu. The main content area includes a title, a brief description, and several charts. The charts show 'Out of Policy Expense' by Year, Month, and Quarter. The sidebar menu has a section for 'Anomalies of Out-of-Policy Expense' which is highlighted with a red box.


This screenshot provides a more detailed view of the 'Explain Out-of-Policy Expense' page. The sidebar menu on the left has a red box around the 'Anomalies of Out-of-Policy Expense' section. The main panel shows a detailed view of the anomalies, including a bar chart titled 'Out of Policy Expense' by SubCategory (Airfares, Per Diem, Hotels, Taxis). The chart shows that Airfares have the highest expense, significantly exceeding the expected values. The 'Add Selected' button in the top right corner is also highlighted with a red box.

5. Click on “Anomalies for Out-of-Policy Expenses
6. Select the 1<sup>st</sup> chart showing that for the Marketing Cost Center “Airfares” and “Per Diem” Out-of-Policy Expenses are much higher than expected
7. Scroll down to select the chart showing that for “Airfares” Out-of-Policy Expenses are much higher than expected in Q1 and Q2
8. Click on Add Selected

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### Analyst Data Using Oracle Analytics Cloud



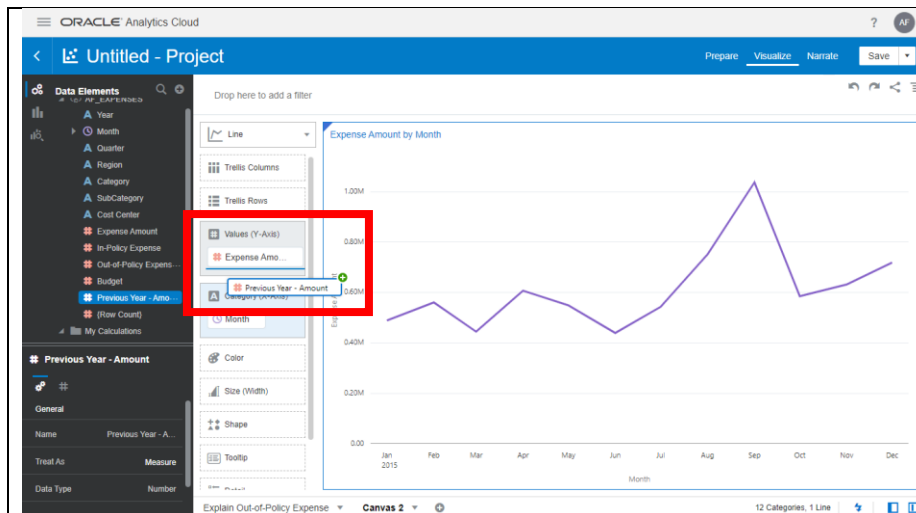
9. Click on the  icon to create a new canvas

10. From the left “Data Elements” pane select Month and Expense Amount (use the “Ctrl” Key to do multi selections)

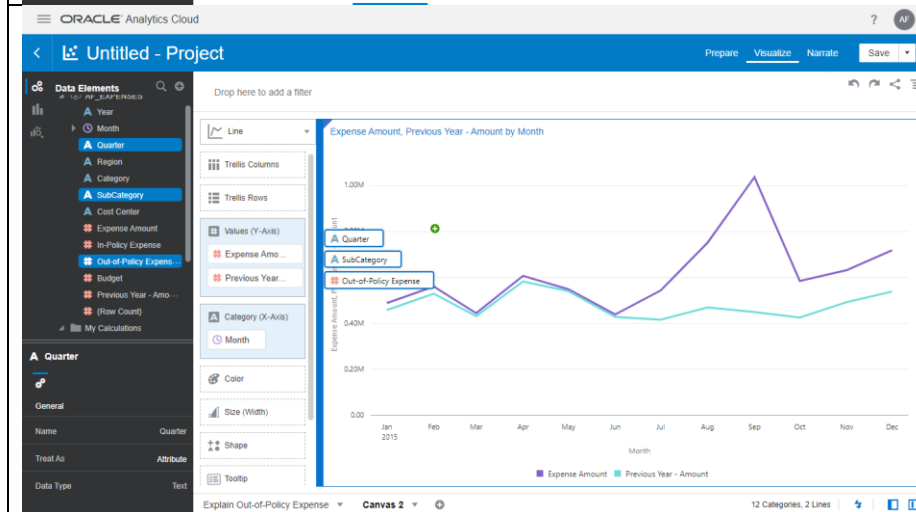
11. Drag and Drop to the canvas

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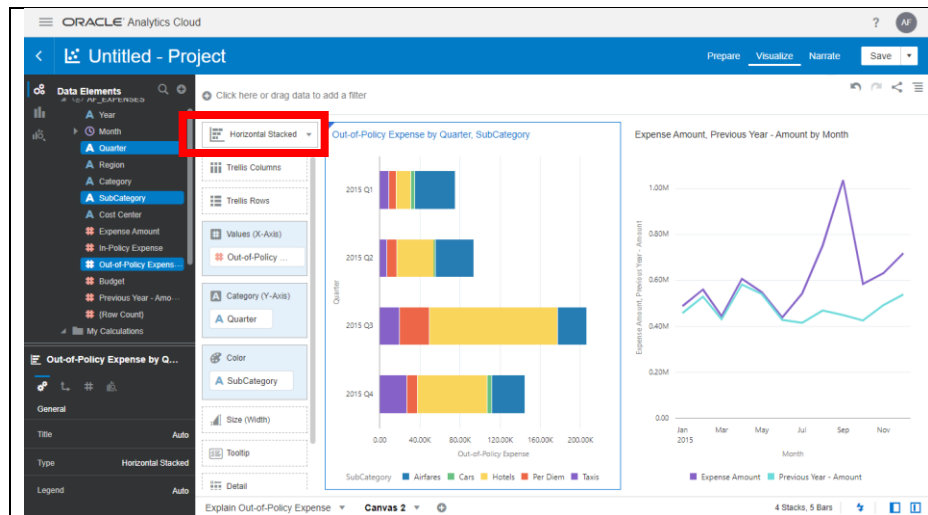
- From the left "Data Elements" pane select Previous Year Amount and drop it under Expense Amount in the Values (Y-Axis)



- From the left "Data Elements" pane select Out-of-Policy Expense, SubCategory and Quarter
- Drag and Drop to the left of the existing chart

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15. Click on the Chart Drop Box

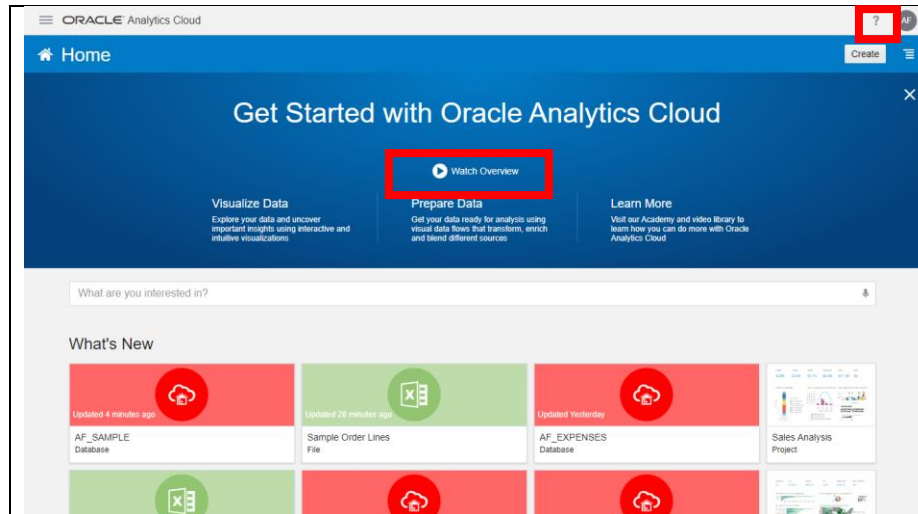


16. Select Sunburst

17. Click Navigator Menu to go back to the Home Page

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18. Click on Watch Overview for a video demonstration
19. You can click on “?” for more help