



# Migrating from OBIEE to OA

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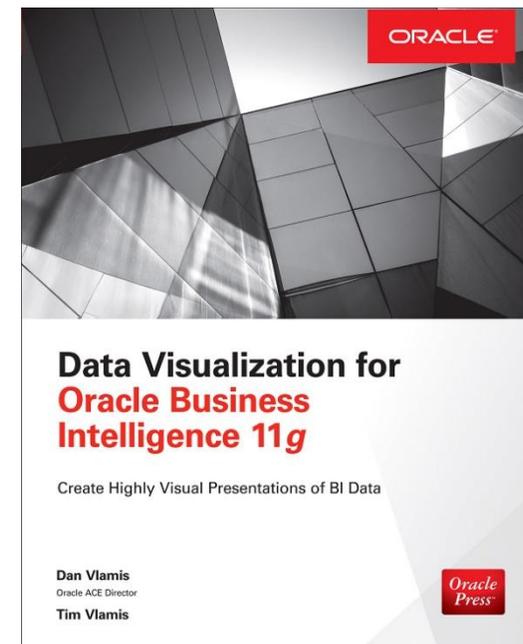


# Vlamiis Differentiators



**ORACLE** | Service Partner

Expertise in  
Oracle Cloud Platform  
Business Analytics  
in North America



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January 26, 2022 (11:00 AM PT/1:00 PM CT/2:00 PM ET) [Website](#)

[Abstract >](#) [Watch Replay >](#)

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**Analytics and Data Oracle User Community - TechCast Days Winter**  
February 15 – February 17, 2022 (11:00 AM ET) [Website](#)

Rosendin's Journey from OBIEE to OAC and ADW

[Abstract >](#) [Register >](#)

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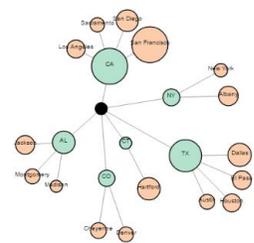
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DATA VISUALIZATION

**Enterprise Data Visualization: Executive Dashboards and Managerial Displays**

Published by [Pearson](#)



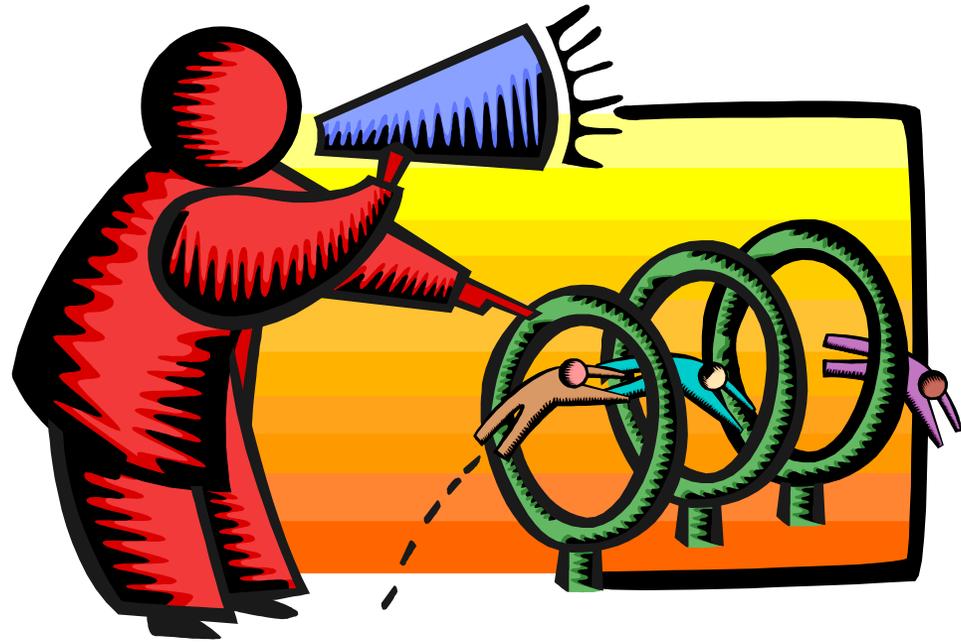


# Agenda

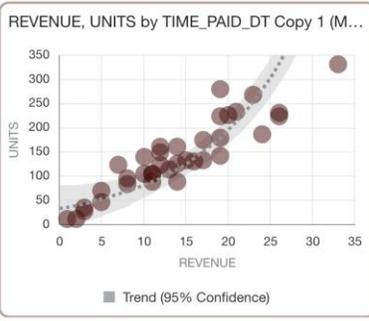
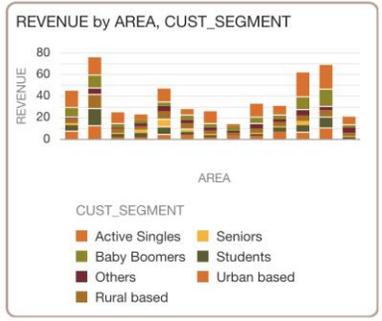
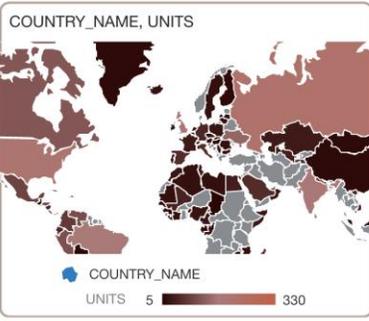
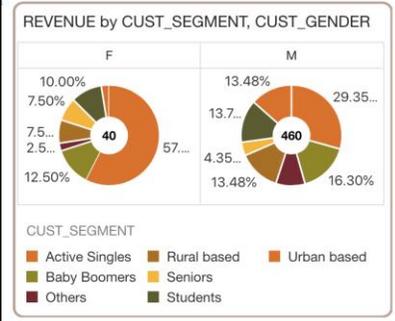
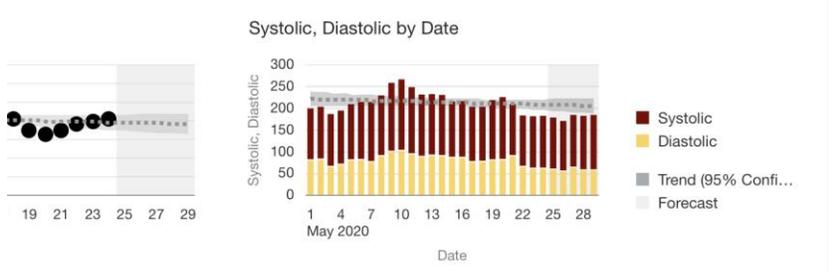
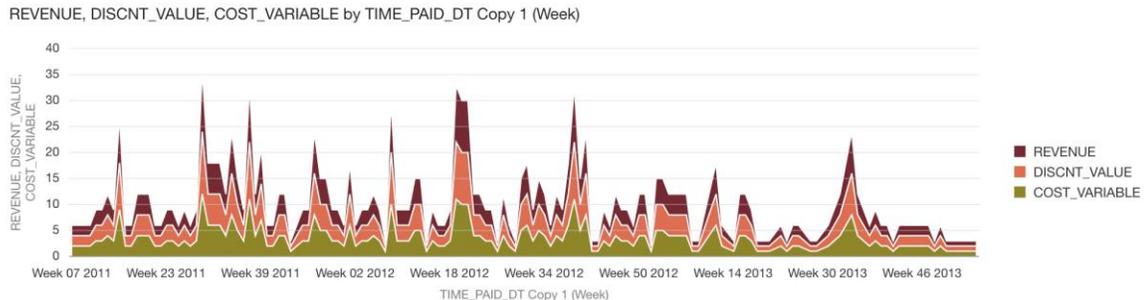
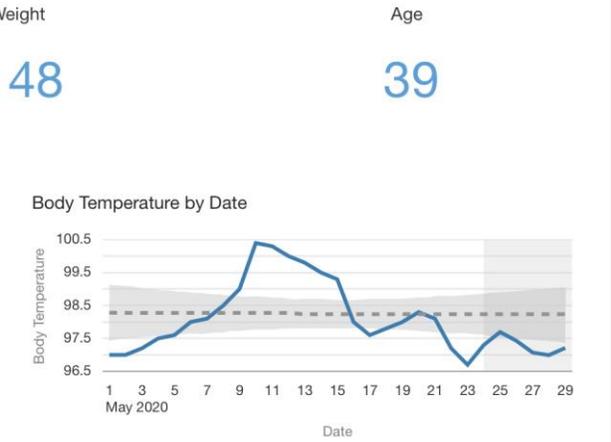
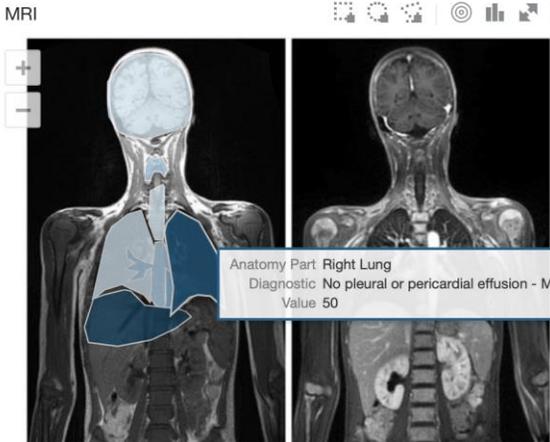
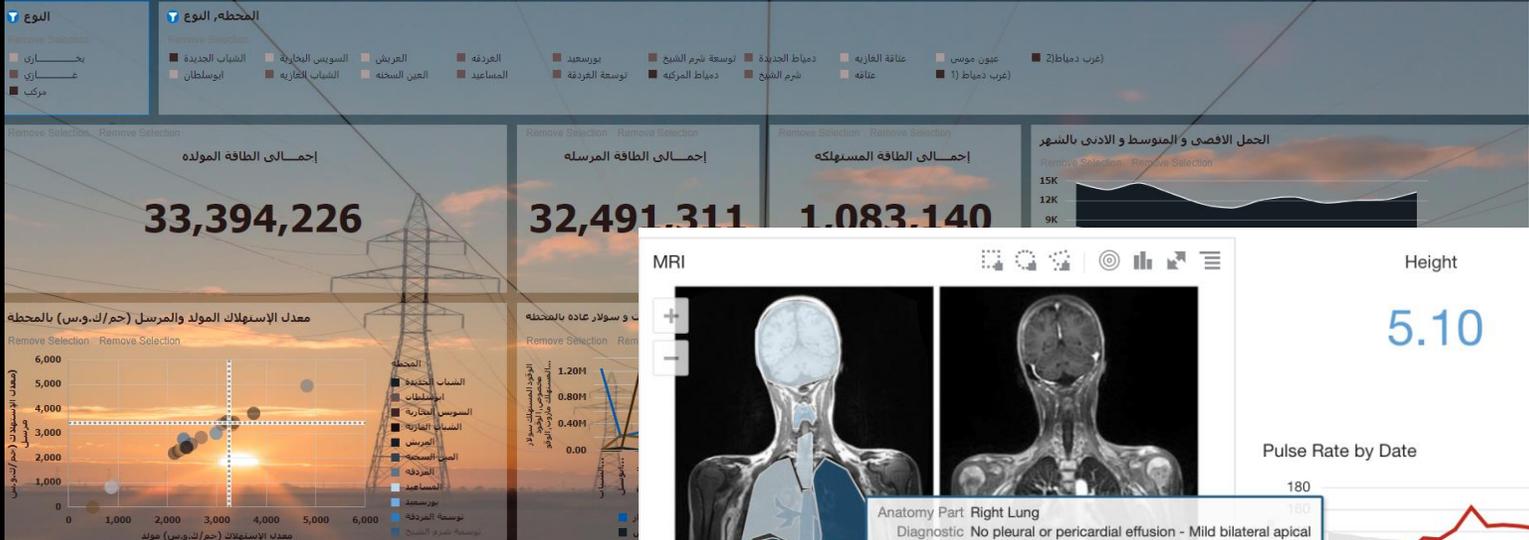
- Introductions
- Validate agenda
  - Topics to cover
- Introductory Demo – OBIEE vs OA
- Examples of dashboards
- Architecture
- Process of Migrating OBIEE to OA
- Demo of OA – differences from OBIEE
- Q&A (including showing answers to “can it do \_\_\_\_\_?”)



# Intro Demo OBIEE vs Oracle Analytics



# مؤشرات أداء المحطات

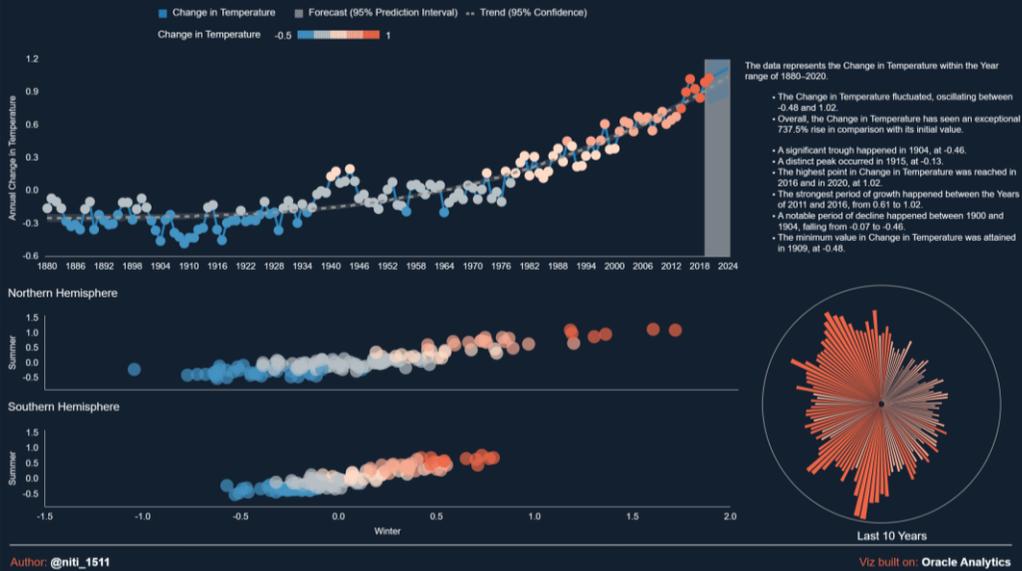


### So, the Earth's average temperature has increased about 2 degrees Fahrenheit during the 20th century. What's the big deal?

Two degrees may sound like a small number, but it's an unusual event in our planet's recent history. Earth's climate record, preserved in tree rings, ice cores, and coral reefs, shows that the global average temperature is stable over long periods of time. Furthermore, small changes in temperature correspond to enormous changes in the environment.

DATA SOURCE: NASA Goddard Institute for Space Studies [Download dataset from: https://data.world/makeovermonday/2021w3/workspace/file?filename=Global+Temperature+Anomalies.csv](https://data.world/makeovermonday/2021w3/workspace/file?filename=Global+Temperature+Anomalies.csv)

#### Global Temperature Change Trend and Forecast



#### Status

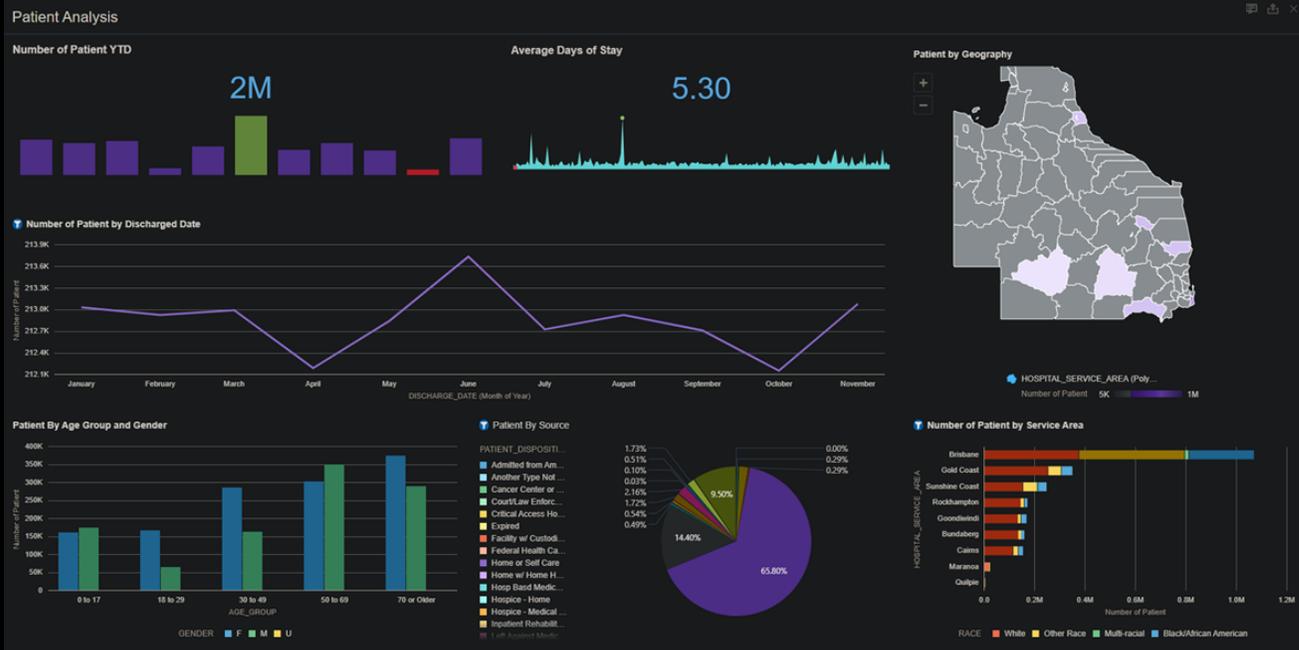
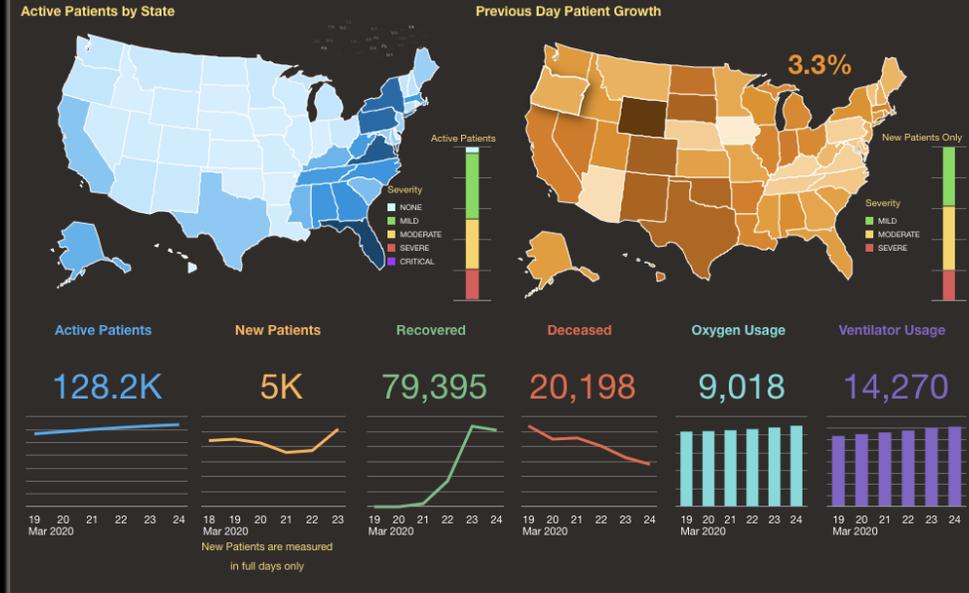
- Inpatient
- Outpatient

#### Gender

- Female
- Male

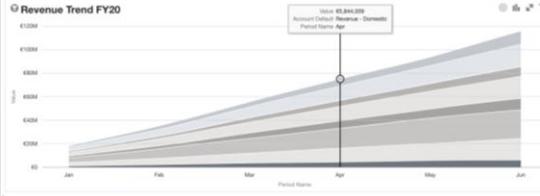
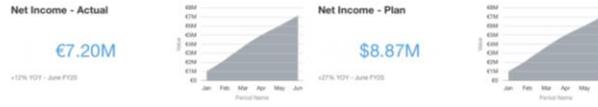
#### Age Group

- 1-10
- 11-20
- 21-30
- 31-40
- 41-50
- 51-60
- 61-70
- 71-80
- 81-90
- 91-100



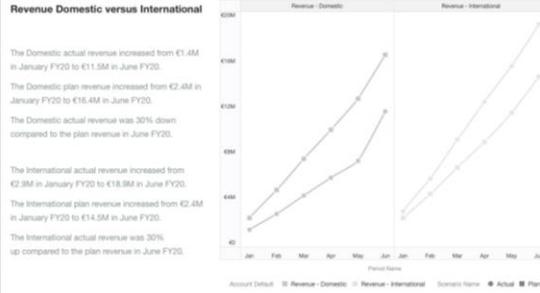
# FCFS Real-Time Consolidation

FCFS EPM Real-time Consolidation Analytics for Europe Entity - Analysis of net income by scenarios, Revenue, Revenue trend, Domestic versus International Revenue, Total Assets versus Total Liabilities, and Payable versus Receivable trend including year over year variance. The period analyzed is Jan-Jun FY20.

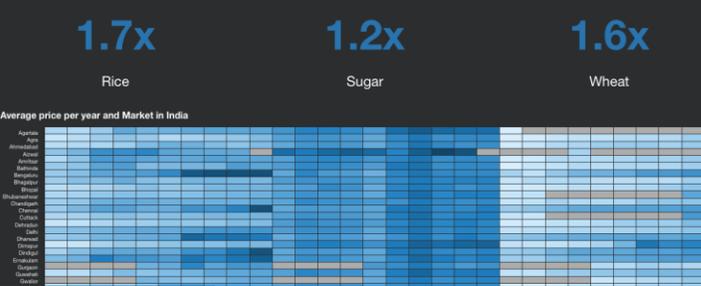


**Top Revenue and Expenses FY20 - Actual versus Plan**

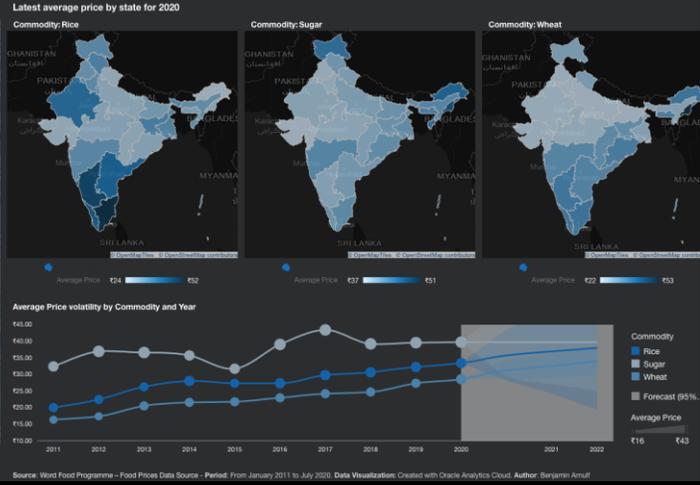
Account Name	Account Default	Entity Name	Jan		Feb		Mar		Apr		May		Jun	
			Actual Value	Plan Value										
41000	Revenue - Domestic	Europe	€1,084	€3,200	€3,791	€4,204	€4,204	€1,200	€3,200	€3,200	€3,200	€1,200	€11,200	€11,200
41000	Revenue - International	Europe	€3,200	€3,200	€3,200	€3,200	€3,200	€3,200	€3,200	€3,200	€3,200	€3,200	€3,200	€3,200



## Price increase for Rice, Sugar, and Wheat by kg in India for the past 10 years



The World Food Programme (WFP) is the leading humanitarian organization saving lives and changing lives, delivering food assistance in emergencies, and working with communities to improve nutrition and build resilience. As the international community has committed to ending hunger, achieve food security, and improved nutrition by 2030, one in nine people worldwide still do not have enough to eat. For its efforts to combat hunger, for its contribution to bettering conditions for peace, and for acting as a driving force in efforts to prevent the use of hunger as a weapon of war, WFP was awarded the Nobel Peace Prize in 2020.



### Test Summary Dashboard

Ethnicity: All

# of Patients

231,319

# of Tests

929,988

# IgG Positive

134,046

# IgG Negative

555,716

# IgM Positive

171,899

# IgM Negative

479,926

# of Tests by Result Reporting Entity

Q: 0.00%  
S: 16.41%

930K

Average Cycle Time in Days

6.45

6.00

Tests by Vendor

Scanwell: 41.25%  
LabCorp: 58.75%

777K

# Turbine Analysis



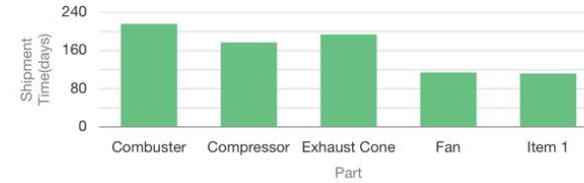
Part, Cost

Part, Shipment Time(days)

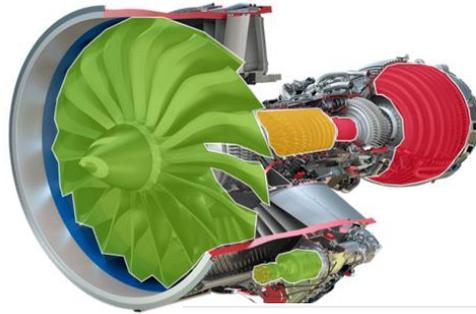
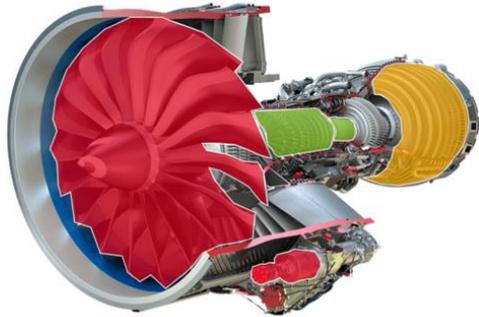
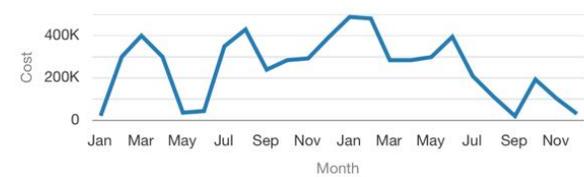
Month Quarter 1 (Quarter)

Interval(secs) 5 Loop Through

Shipment Time(days) by Part

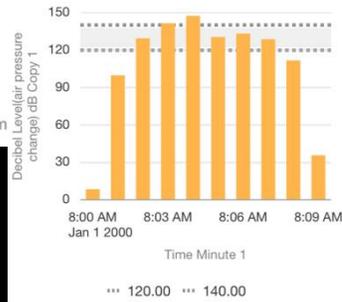


Cost by Month



Part Cost 658K 1.8M

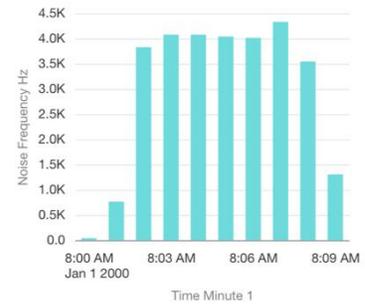
Decibel Level(air pressure change) dB Co...



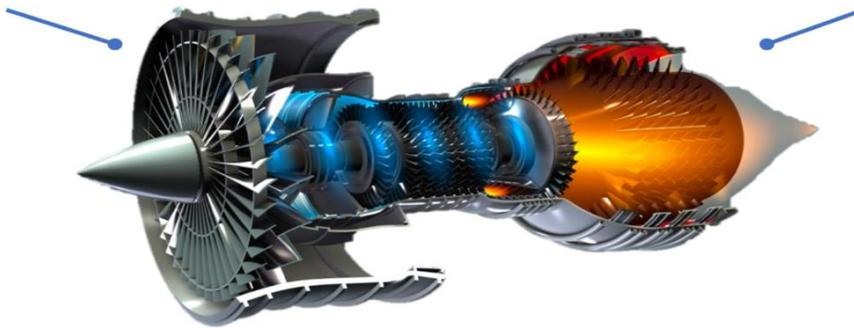
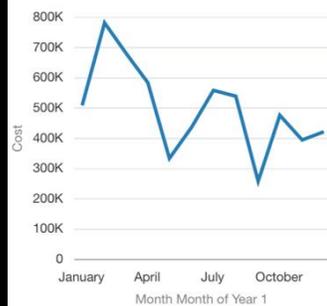
Decibel Level(air pressure change) dB Copy 1, Noise Frequency Hz by Time Minute 1



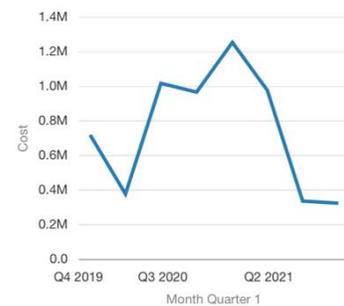
Noise Frequency Hz by Time Minute 1



Cost by Month Month of Year 1



Cost by Month Quarter 1



Shipment Time(days) by Month Month of Year 1



Avg Refueling Time (s)

4.60

Refueling Time (s) by Stop Sequence



Avg Tyre Change Time

1.99

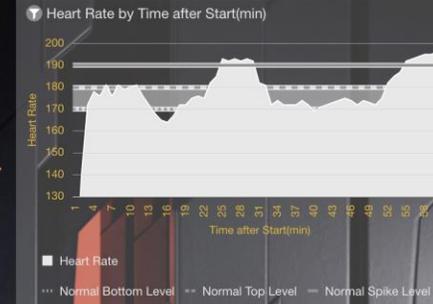
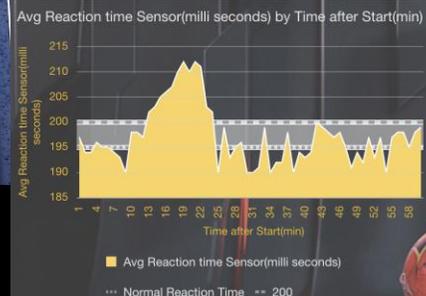
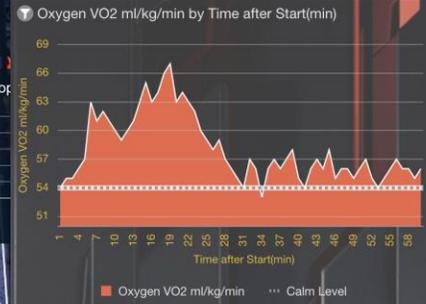
Tyre Change Time by Stop Sequence



Avg Repair Time

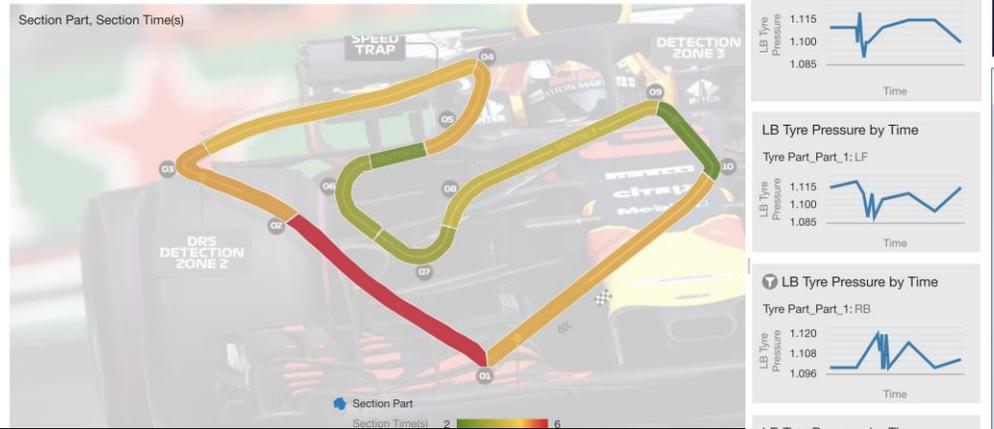
1.67

Repair Time by Stop



# Track Performance

ASTON MARTIN Red Bull RACING



# Performance Insight

ASTON MARTIN Red Bull RACING



Oil Temperat...  
97

Average Pit ...  
2.4

% Fuel left  
34

Network Str...  
98

DEGREE\_SOUGHT All POST\_GRAD\_YEAR <NULL> COLLECTION\_YEAR 2014

DEGREE\_SOUGHT: 40

PROGRAM\_NAME: All

Pattern of First Enrollments ba...: All

ENTERING\_COHORT\_YEAR: All

Data Year: All

Name of First Different Four-Ye...: All

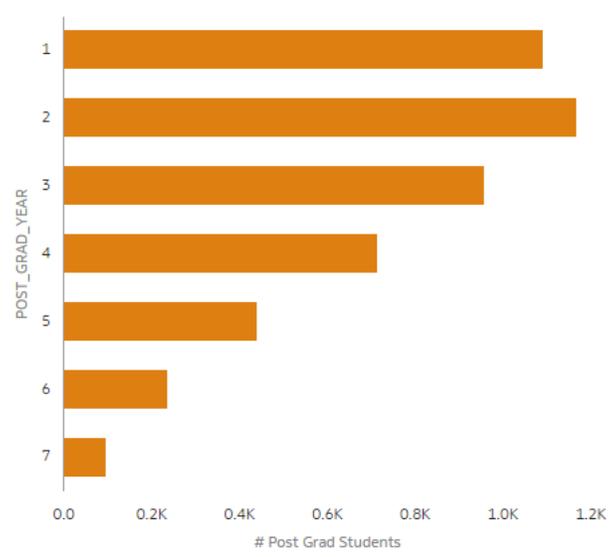
ETH\_97: All

# Post Grad Students Since 2015  
**2,056**

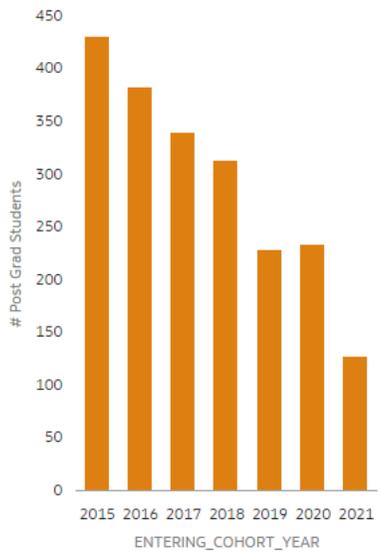
Percent Students Active Post Grad  
**36.1%**

# BSU Students  
**5,698**

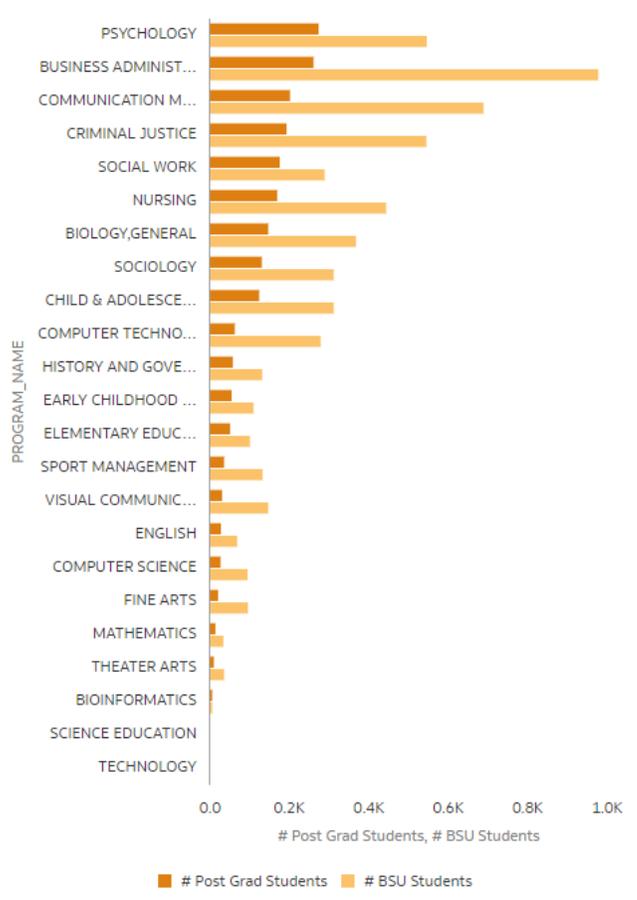
# Post Grad Students by POST\_GRAD\_YEAR



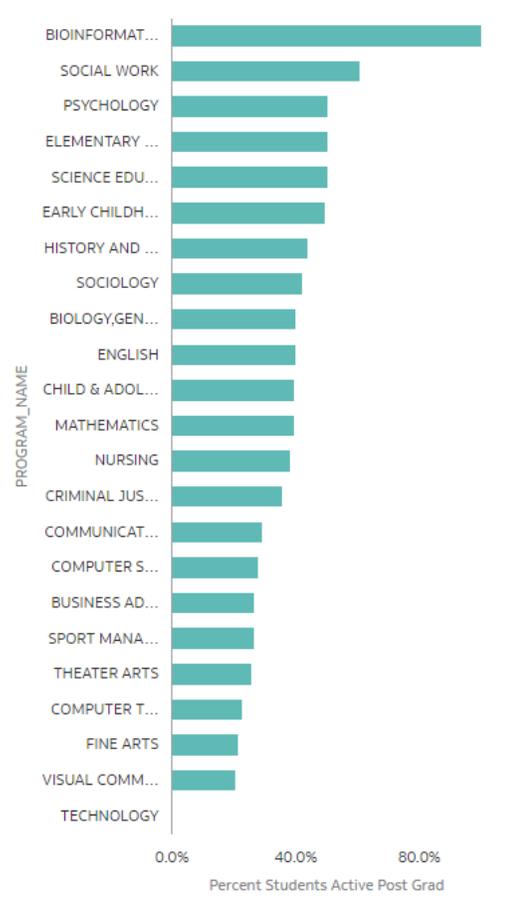
# Post Grad Students by ENTERING\_C...



# Post Grad Students, # BSU Students by PROGRAM\_NAME



Percent Students Active Post Grad by PROGRAM\_NA...



ENTERING\_COHORT\_YEAR, # NSC Students, POST\_GRAD\_YEAR



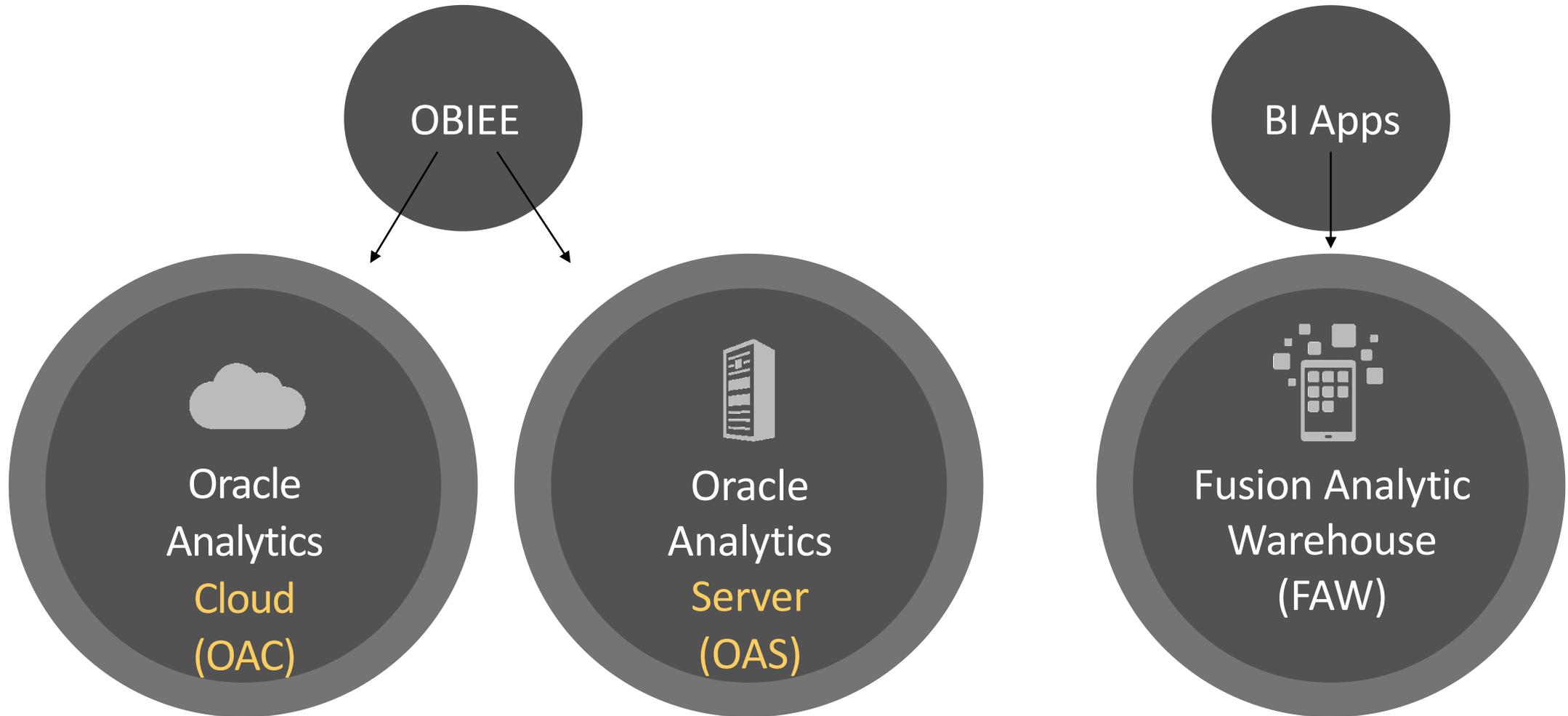
# NSC Students by ENTERING\_COHORT\_YEAR, POST\_GRAD\_YEAR

First 4Y Inst With BSU: <NULL>

	1	2	3	4	5	6	7	Grand Total
# NSC								



# Changing Oracle Analytics/BI Products





# Oracle Analytics Capabilities

Governed Analytics		Self-Service Analytics		Augmented Analytics	
Dashboards	Pixel-Perfect Reports	Data Preparation	Data Visualization	Voice & Chatbot	Natural Language
Semantic Models	Query Federation	Storytelling	Collaboration	Data Enrichment	1-Click Explain
Role-Based Access Control	Excel Integration	What-If Analysis	Mobile	Adaptive & Personalized	Machine Learning



# OAS Catches Up to OAC Once a Year

May 2018	OAC 4	OBIEE 12.2.1.4
Sep 2018	OAC 5	
Jan 2019	OAC 19.1.1	
Feb 2019	OAC 105.2	
Jun 2019	OAC 105.3	
Oct 2019	OAC 105.4	
Feb 2020	OAC 5.5	OAS 5.5
May 2020	OAC 5.6	
Jul 2020	OAC 5.7	
Sep 2020	OAC 5.8	
Jan 2021/Mar 2021	OAC 5.9	OAS 5.9
May 2021	OAC 6.0	
Jul 2021	OAC 6.1	
Aug 2021	OAC 6.2	
Nov(?) 2021	OAC 6.3	
Jan(?) 2022/Mar(?) 2022	OAC 6.4	OAS 6.4



# OBIEE vs OA (What got left behind?)

- Scorecard and Strategy Management
- Oracle Marketing Segmentation
- Flash templates
- BI Composer
- BI Scheduler Job Manager
- XML and flat file data sources via RPD
- Thin client modeler
- Act as another user
- Session Personalization using System Session Variables

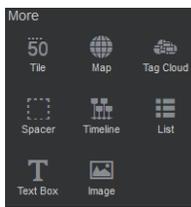
For more information, see <https://docs.oracle.com/en/middleware/bi/analytics-server/whats-different-oas/index.html#OASWD-GUID-C907A4B0-FAFD-4F54-905C-D6FCA519C262>



# OAS & OAC Minimal Differences

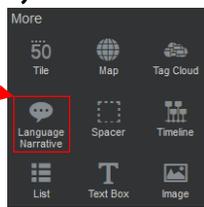
## OAS

- Runs on premise
  - Run in data center or “in the cloud”
  - Customer administers
- ~~Pay extra for~~ includes DV interface
- Data modeling same (RPD, XSA)
- Pay for license and support
- Sold by license sales force
- Annual releases
- Can change configuration files



## OAC

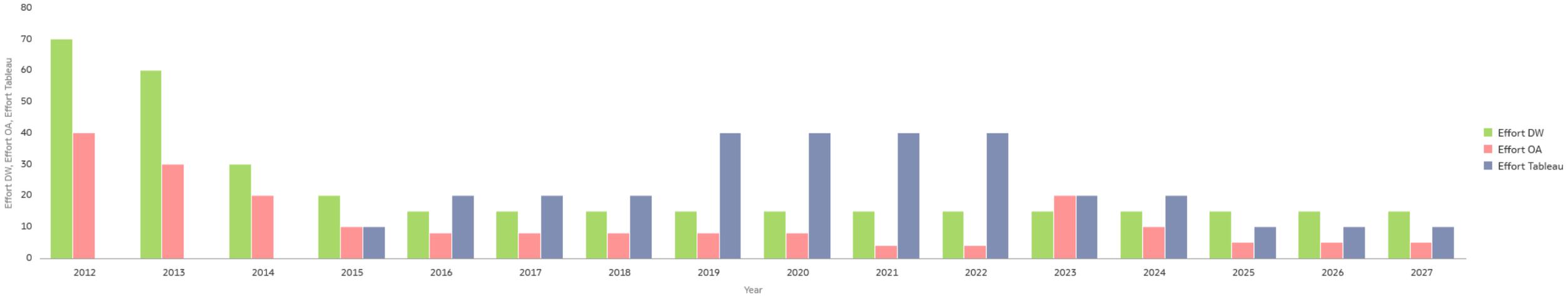
- Runs on Oracle Cloud
  - Can run on “cloud at customer”
  - Have private instance
- Includes DV interface
- Data modeling same (RPD, XSA)
- Pay by the hour or month
- Sold by cloud sales force
- Monthly/Quarterly releases
- Includes Day by Day for mobile, Language Narrative Viz
- Data Replication



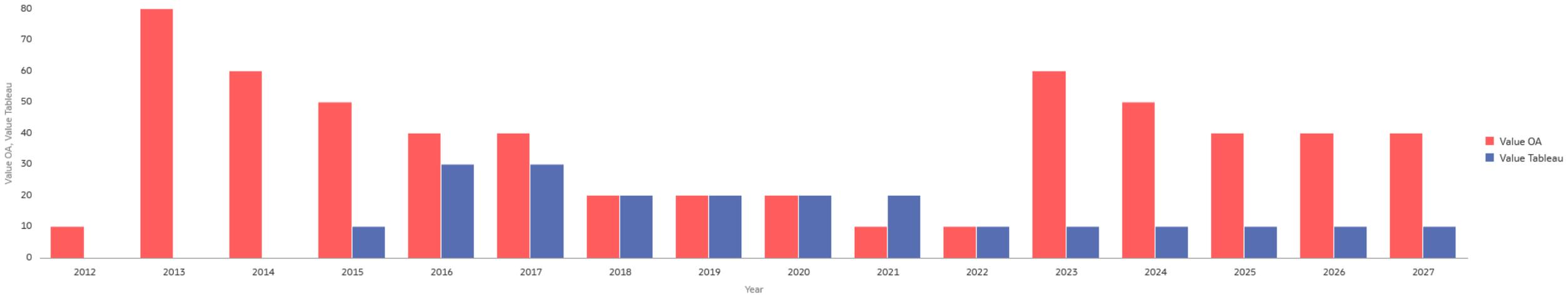


# Capitalize on Investment in DW, OBIEE

Effort DW, Effort OA, Effort Tableau by Year

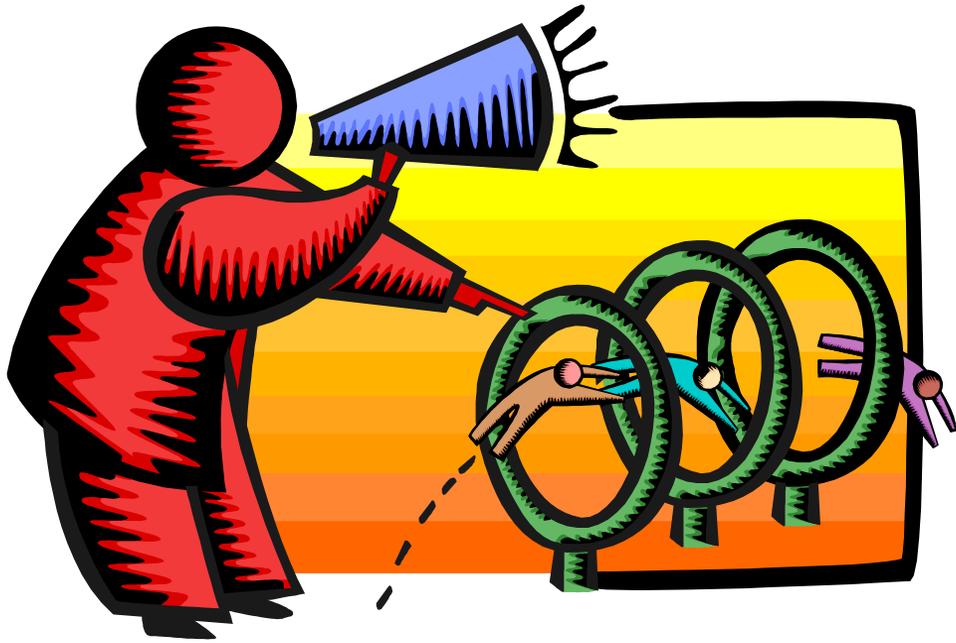


Value OA, Value Tableau by Year





# Demo OA New Front End





# OAS & OAC Upgrade Path

## OAS

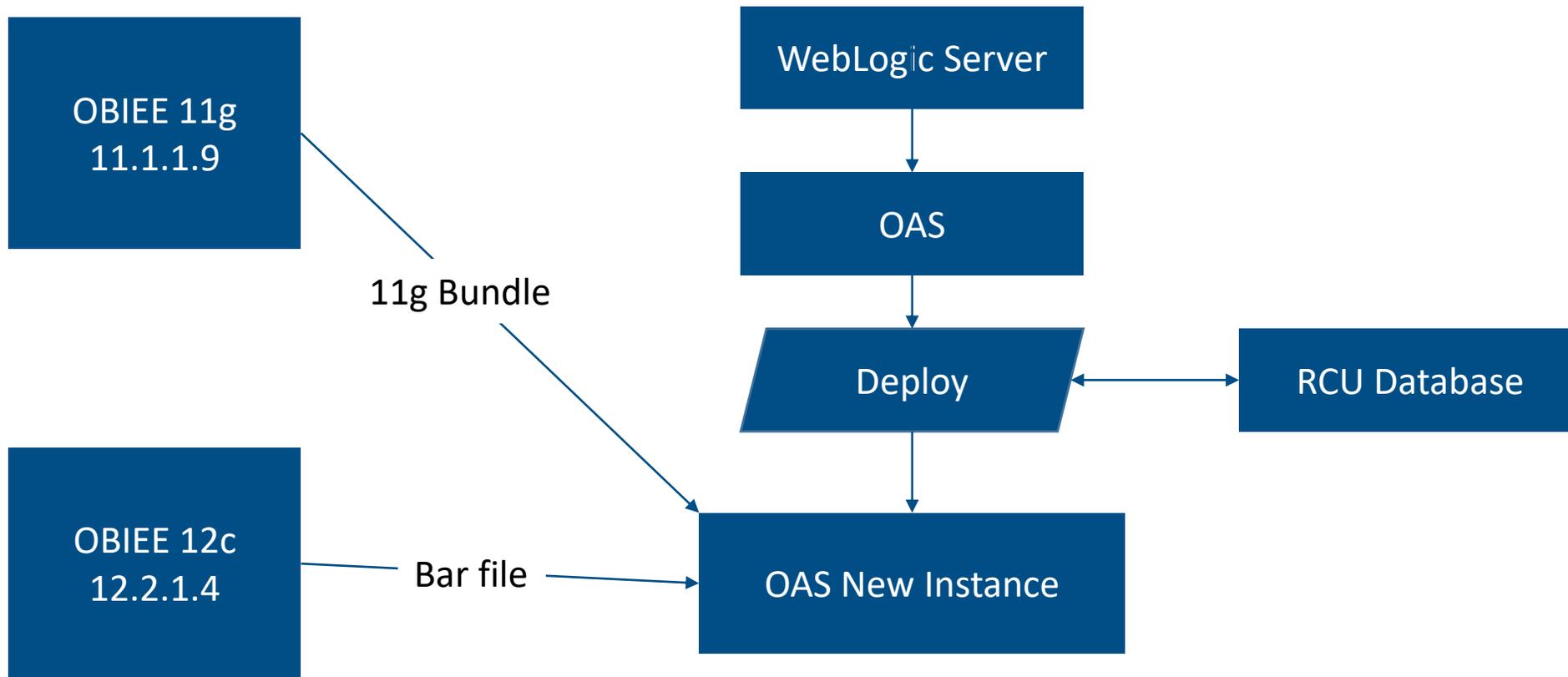
- Procure hardware and OS
- Install OAS software-clean install
- Use RCU to create Repository
- BAR file migration from OBIEE
- SSO configuration to Weblogic
- DB Connectivity
  - Might include custom ODBC drivers
- Testing
- Multiple instances—dev/test/prod?

## OAC

- Provision instance on Oracle cloud
- Configure networking
- BAR file migration from OBIEE
- SSO configuration to IDCS
- DB Connectivity
  - Might include Remote Data Gateway
- Testing
- Multiple instances—dev/test/prod?

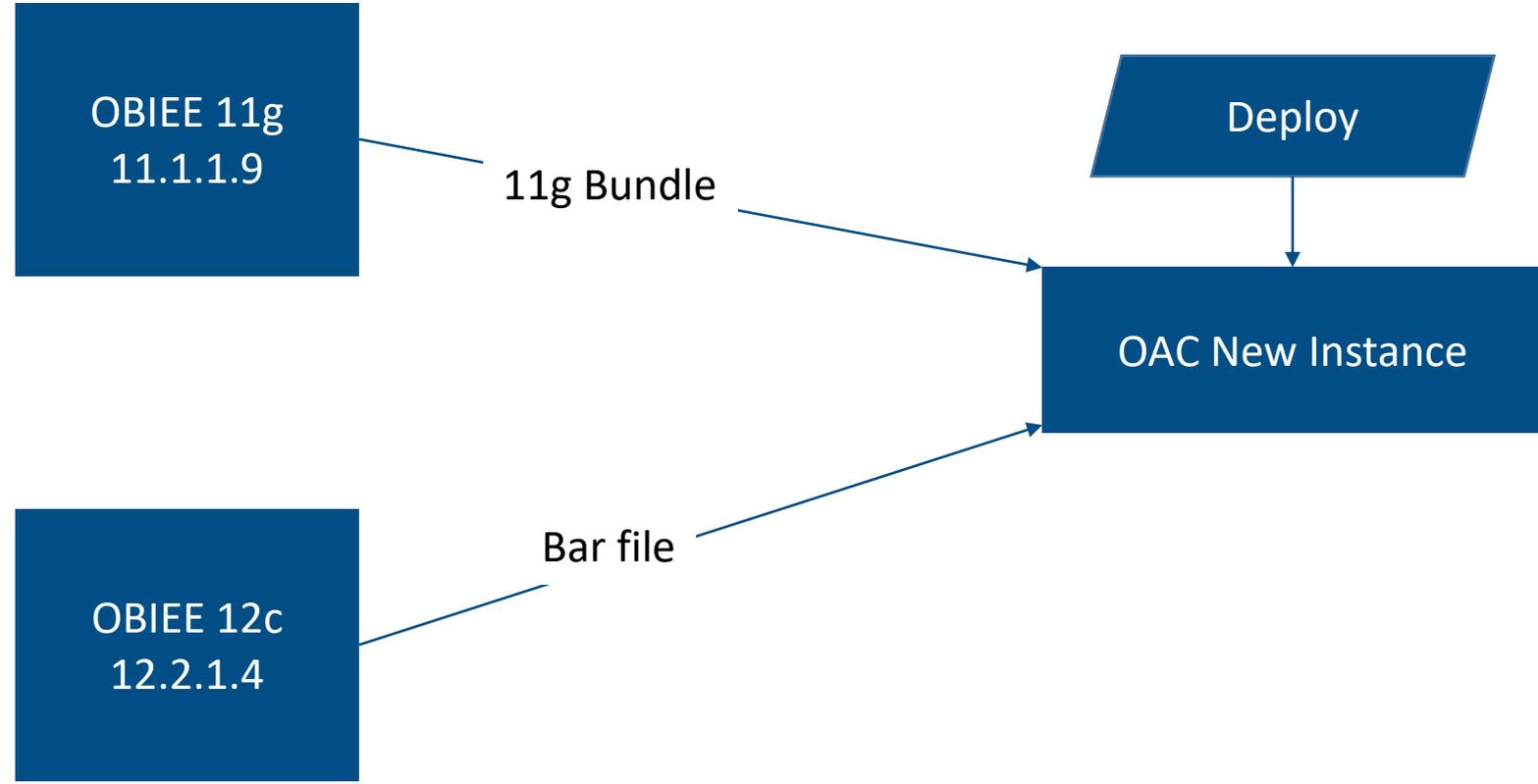


# OBI -> OAS Migration Process Overview





# OBI -> OAC Migration Process Overview





# Leverage Investment in OBIEE Platform

- OBIEE customers have huge investment in:
  - Software cost (still paying maintenance!)
  - People cost (training for administrators and users)
  - Dashboards been developed – often not widely used, but still invested
  - Data investment in data warehouses
- You all bought OBIEE for a reason
  - Often as part of goal to improve reporting
  - Consolidated reporting – someone believed in consistent truth source
- Many implementations not well-executed. Easier to blame tool.
  - Designed by DW people – one application to Report Them All!
  - Too hard to find what users care about



# Maintaining Control of Your Data

- Point OAC/S to your existing database tables
- Common Enterprise Information Model
  - Consistent source of truth
  - Stop moving the data – costs, governance, and security nightmare
- Ad-hoc reduces need to export out data to other tools such as Tableau and PowerBI
  - Expense in other tools. Already have OBIEE (OAS)
  - With DV, can **augment** curated DW data with Certified data  Certified
- Once Data out of your control, where will it go? Security?
- Start small – don't boil the ocean
- Data is the new Oil—think data valuation



# Get Help with Upgrade?

- Can upgrade with internal staff, but unknowns may be issue
- Can accelerate process, before business conditions change
  - Can be simple process, but will be aided by a “guide” that has “been there, done that”.
- Vlami recommends phased approach (try it out, esp. cloud)
- Vlami has connections in Oracle Analytics group that can help resolve any issues
- Vlami can provide training for DV when users are ready