



# MBD

Máster en Big Data  
2023-2024

Tecnologías Business Intelligence



# Analítica aumentada, caso práctico II

## Modelo predictivo

EmployeeNumber	First Name	Last Name	Attrition	Attrition Prediction	PredictionConfidence
1	Heather	Hill	Yes	Yes	0,82
2	William	Howard	No	No	0,96
4	Oliver	Bell	Yes	Yes	0,59
5	Alexandra	Stewart	No	No	0,88
7	Joseph	Grant	No	No	0,66
8	Adrian	Mackenzie	No	No	0,92
10	Bernadette	Graham	No	No	0,88
11	Andrew	Vance	No	No	0,96
12	Victor	McLean	No	No	0,91
13	Julian	Hodges	No	No	0,94
14	Simon	Harris	No	No	0,92
15	Irene	Bond	No	No	0,52
16	Stephen	Skinner	No	No	0,86
18	Victor	Gray	No	No	0,97
19	Adam	Sanderson	Yes	Yes	0,79
20	Rose	Morgan	No	No	0,98
21	Joseph	Berry	No	No	0,85

# Analítica aumentada, caso práctico II

## Modelo predictivo

**Select Columns**

Search

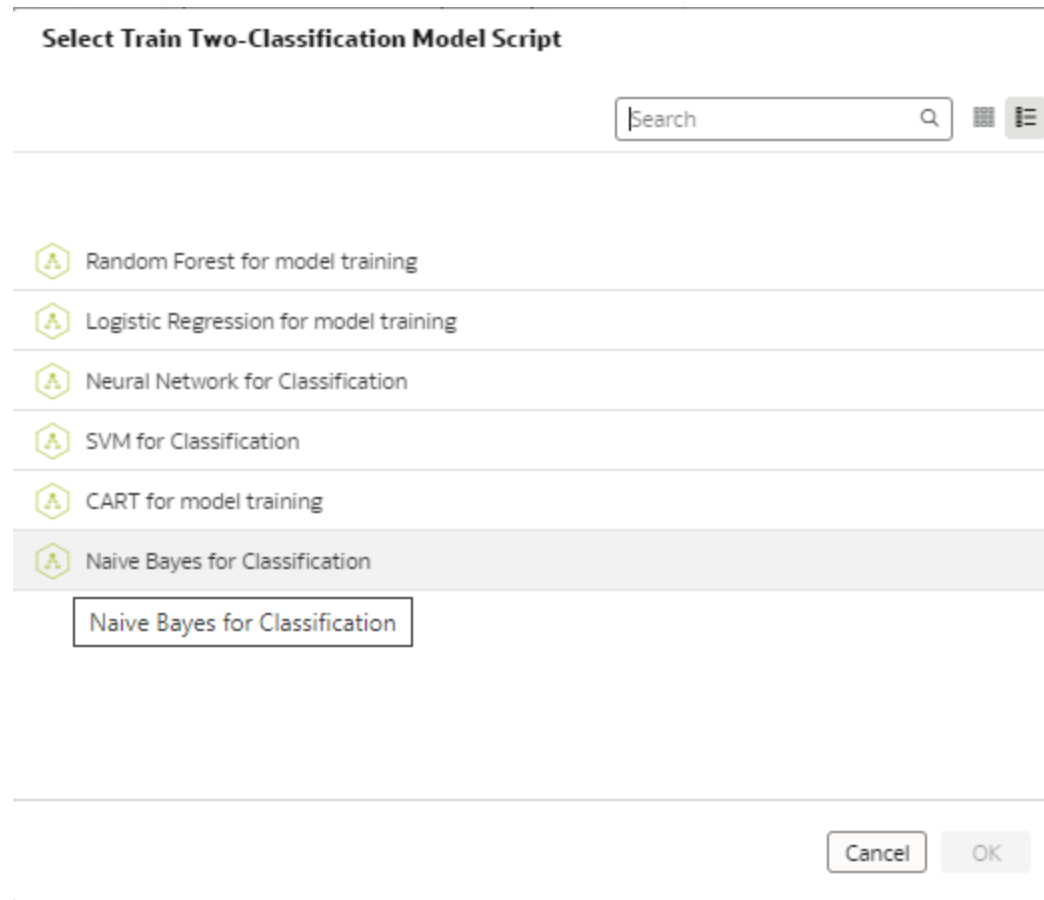
First Name

**Train Binary Classifier**

ID	Last Name	SSN	Age	Attrition	BusinessTravel	DailyRate	Department
1	Hill	*****	41	Yes	Travel_Rarely	1102	Sales
2	Howard	*****	49	No	Travel_Frequently	279	Research & Dev
3	Bell	*****	37	Yes	Travel_Rarely	1373	Research & Dev
4	Stewart	*****	33	No	Travel_Frequently	1392	Research & Dev
5	Grant	*****	27	No	Travel_Rarely	591	Research & Dev

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## Modelo predictivo



# Modelo predictivo

## Model Training Script Naive Bayes for Classification

target, the target(label) to learn,

Positive class in the target value

The mode method for categoric

The mode method for numeric f

99 ID	ab Last Name	ab SSN	99 Age	99 DistanceFromHome	99 DailyRate	ab Departm
1	Hill	*****	41		1102	Sales
2	Howard	*****	49	No	Travel_Frequently	Research &
3	Bell	*****	37	Yes	Travel_Rarely	Research &
4	Stewart	*****	33	No	Travel_Frequently	Research &

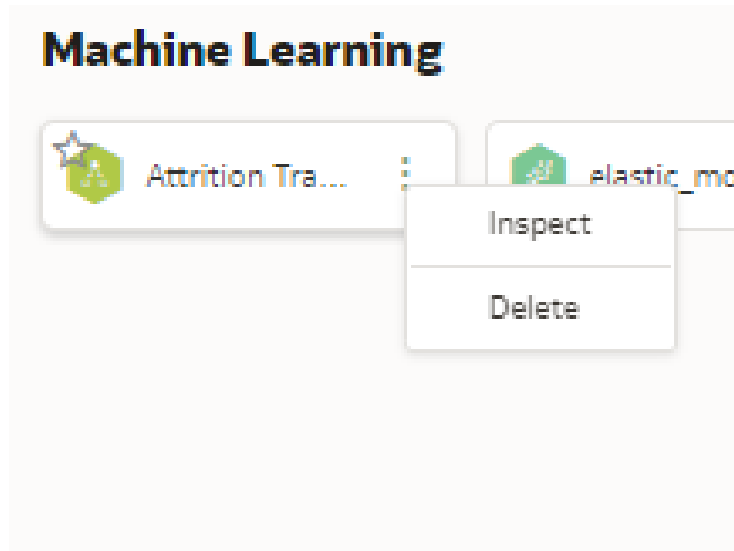
# Analítica aumentada, caso práctico II

## Modelo predictivo

e	ab SSN	99 Age	ab Attrition	ab BusinessTravel	99 DailyRate	
	*****	41	Yes	Travel_Rarely	1102	9
*** Other features are available while the Data Flow is running.						
	*****	37	Yes	Travel_Rarely	1373	1
	*****	33	No	Travel_Frequently	1392	1
	*****	27	No	Travel_Rarely	591	1
	*****	32	No	Travel_Frequently	1005	1
	*****	59	No	Travel_Rarely	1324	1
	.....	--	--	- - - -	----	.

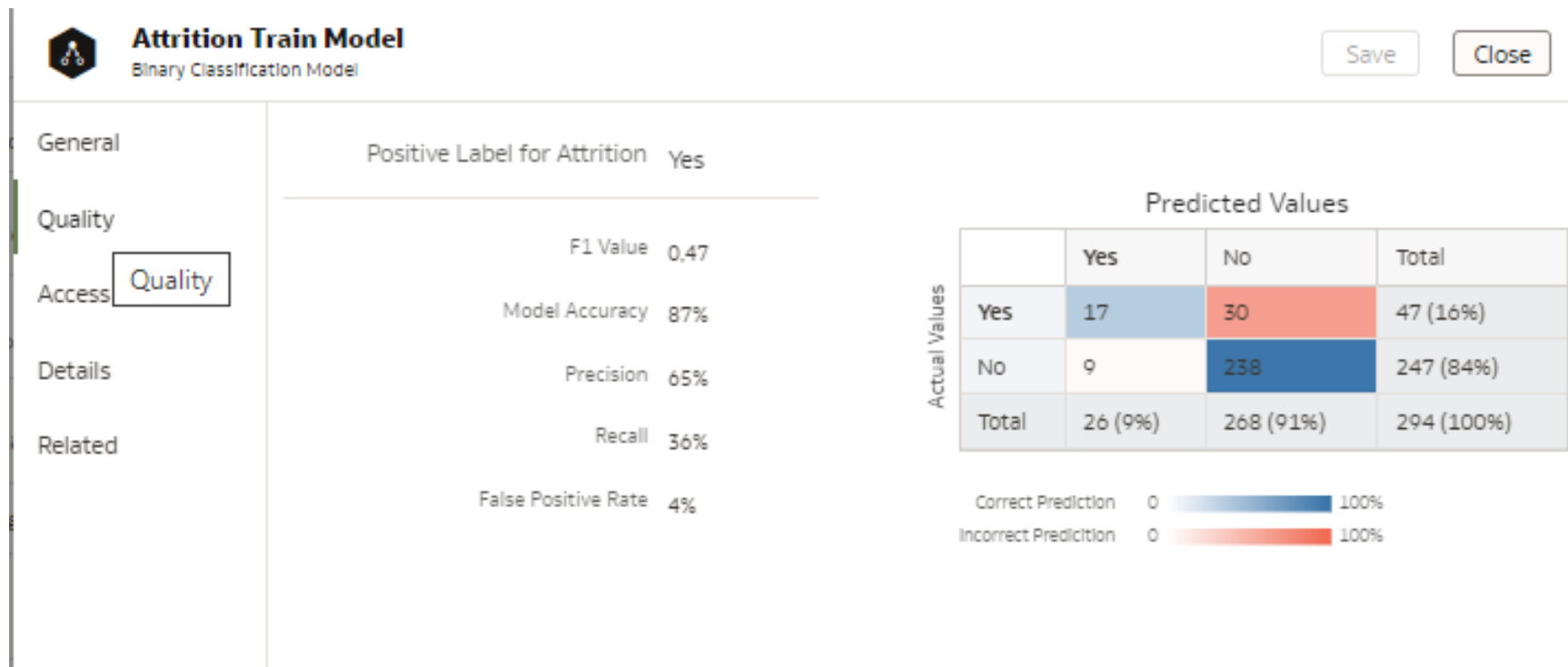
# Analítica aumentada, caso práctico II

## Modelo predictivo



# Analítica aumentada, caso práctico II

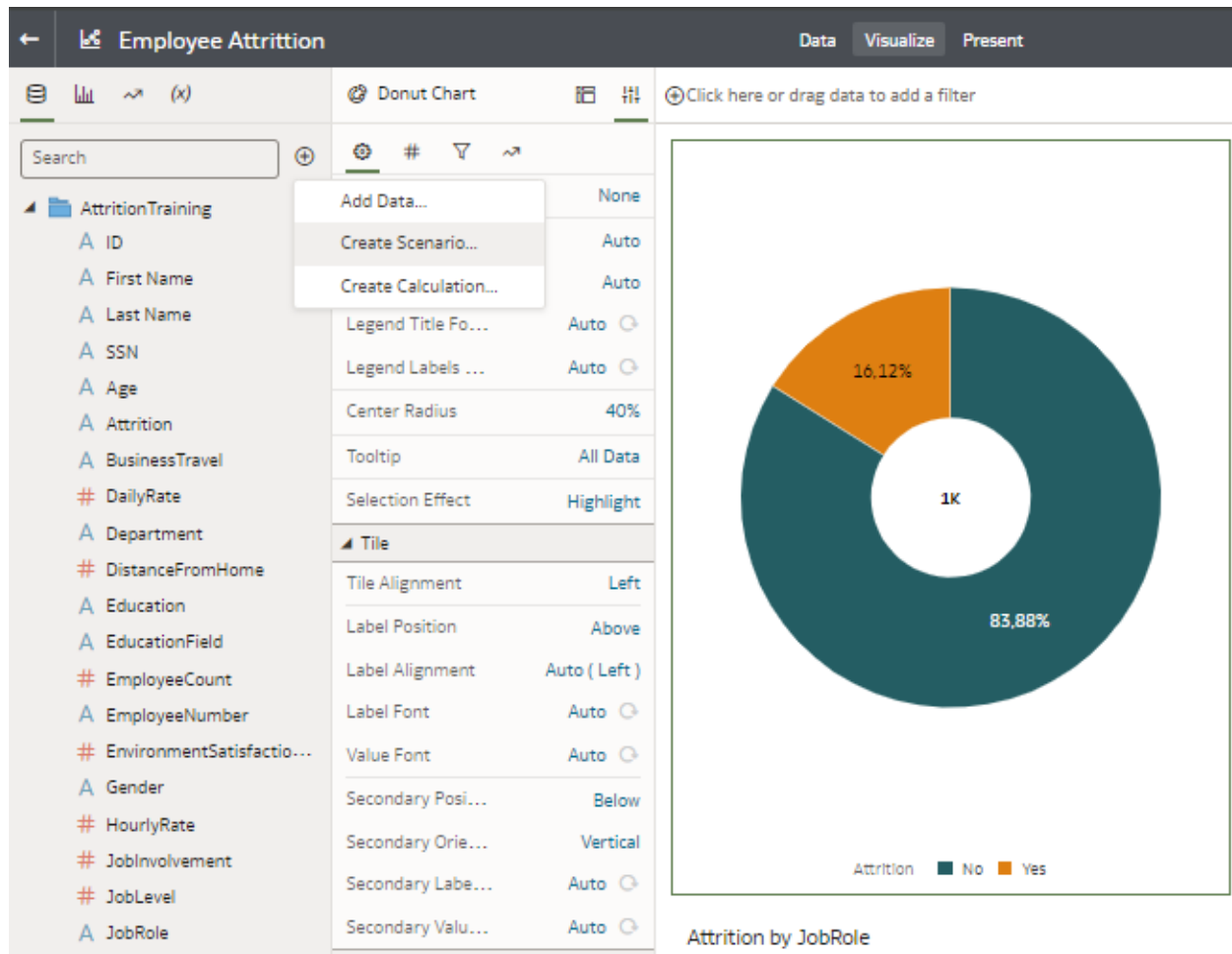
## Modelo predictivo





# Analítica aumentada, caso práctico II




## Modelo predictivo





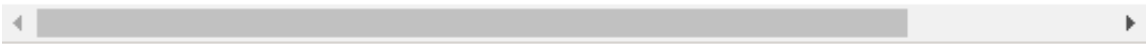
# Analítica aumentada, caso práctico II

## Modelo predictivo

Create Scenario - Select Model

Search   

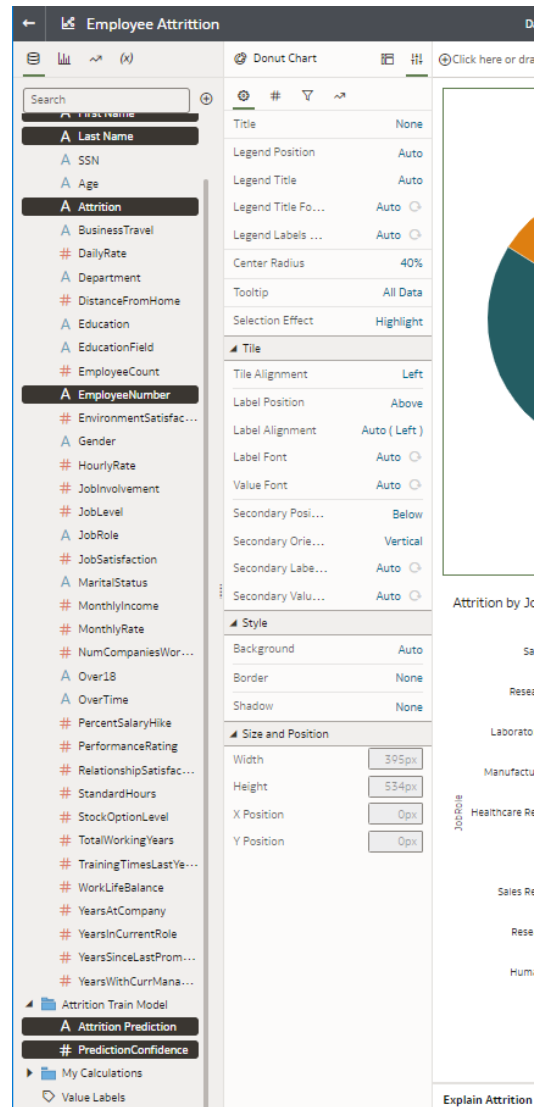
Type	Name	Target	Author	Source
	Attrition Train Model	Attrition	cd05044@salleurl.edu	Oracle Analytics M
	elastic_model_1	TOTAL_DONATIONS	cd05044@salleurl.edu	Oracle Analytics M



Cancel OK

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## Modelo predictivo



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A collection of approximately 18 squares in various shades of blue and grey, scattered across the top half of the slide.

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