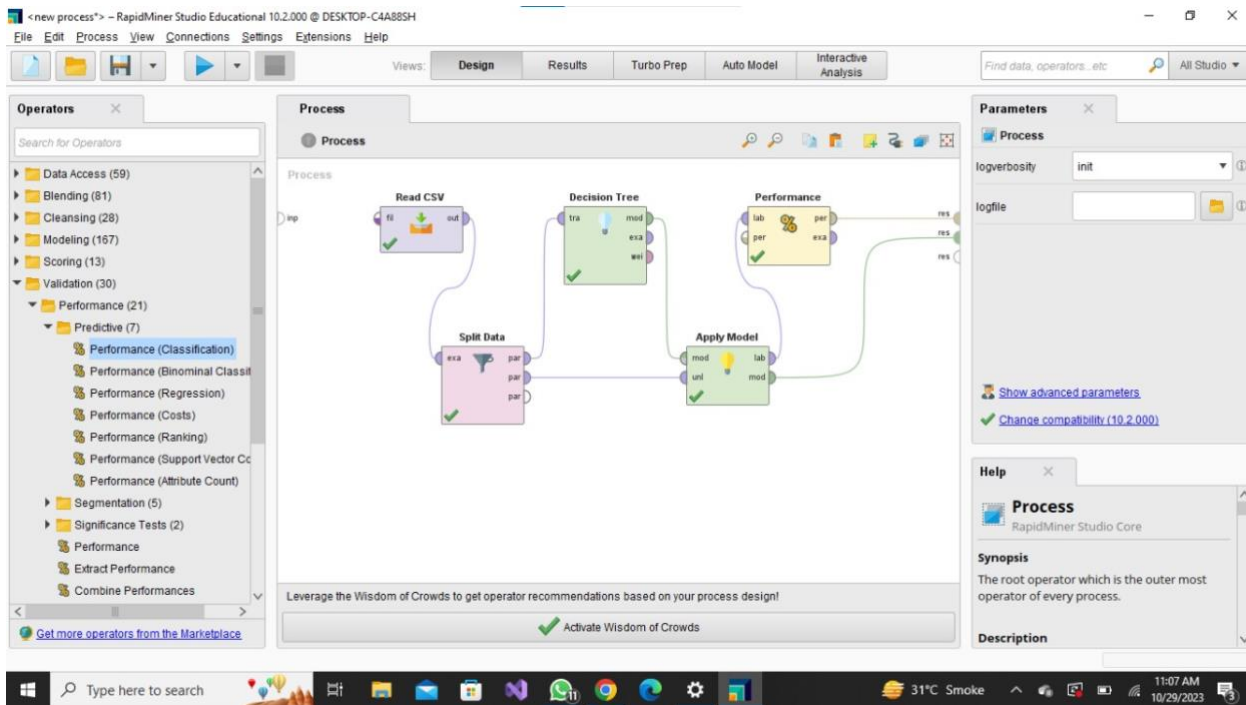
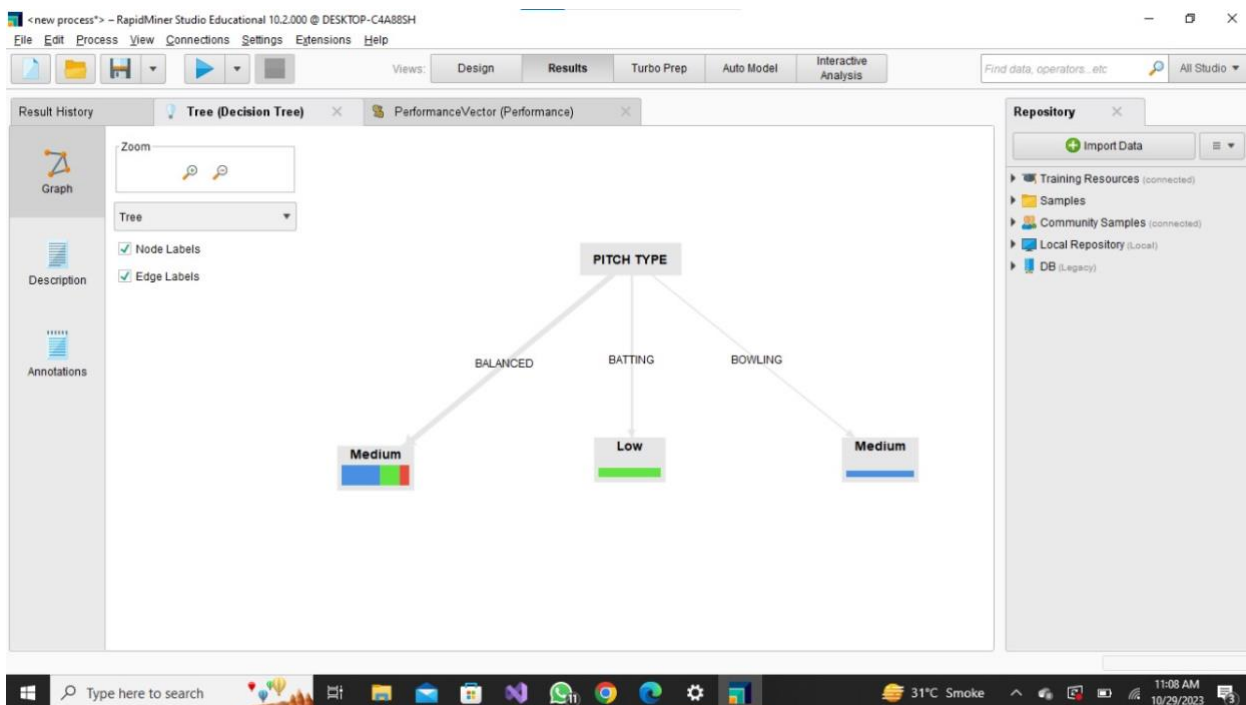


Name : Muhammad Raees    section : 6<sup>th</sup> A.    Subject : Data Mining

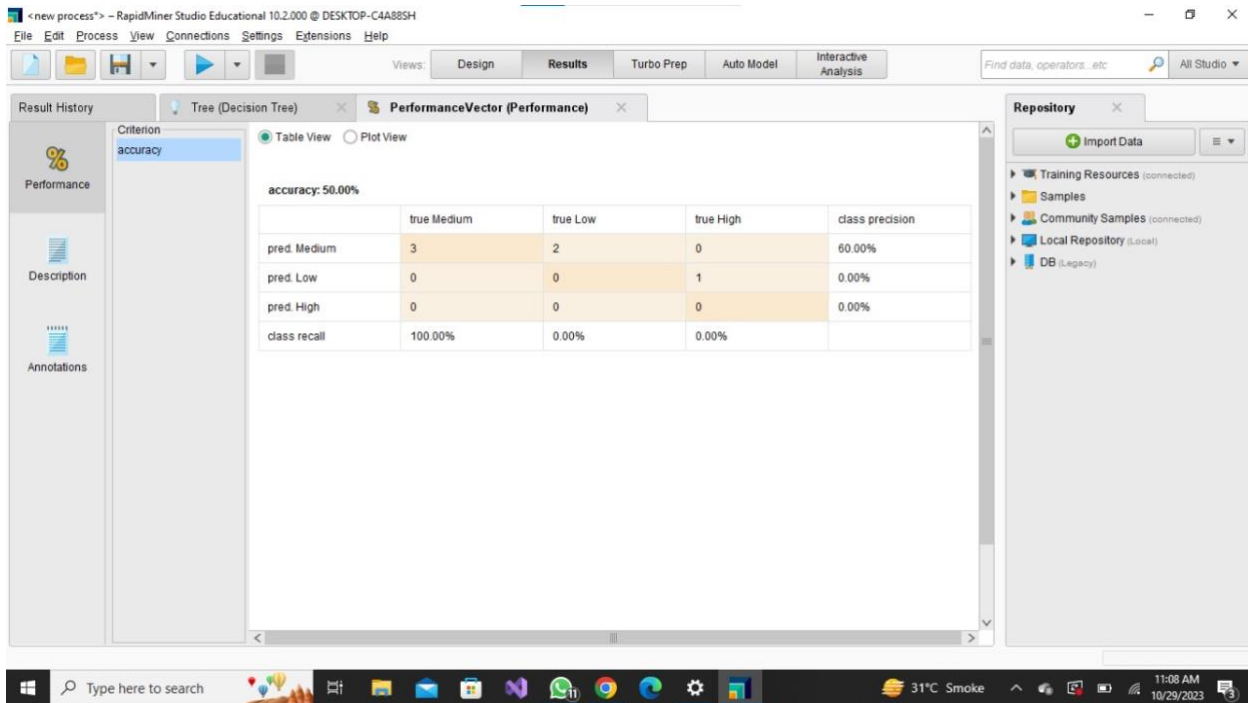
Model Design of DT :



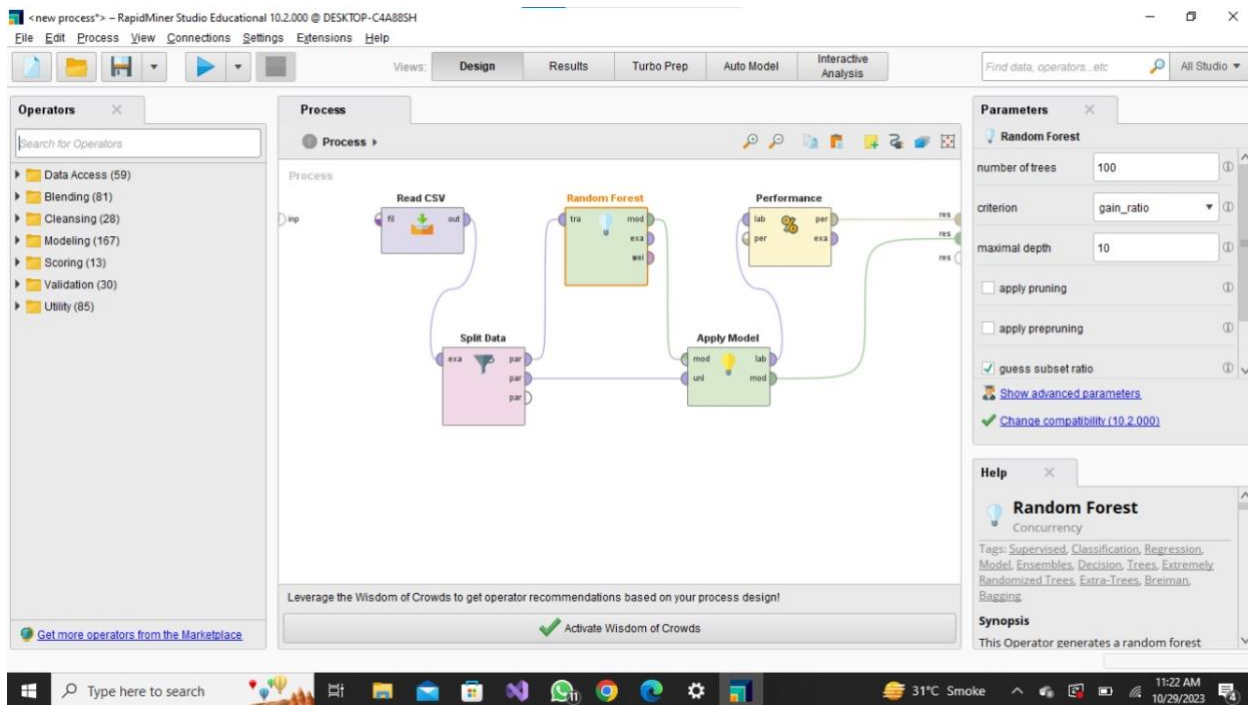
Decision Tree Of DT :



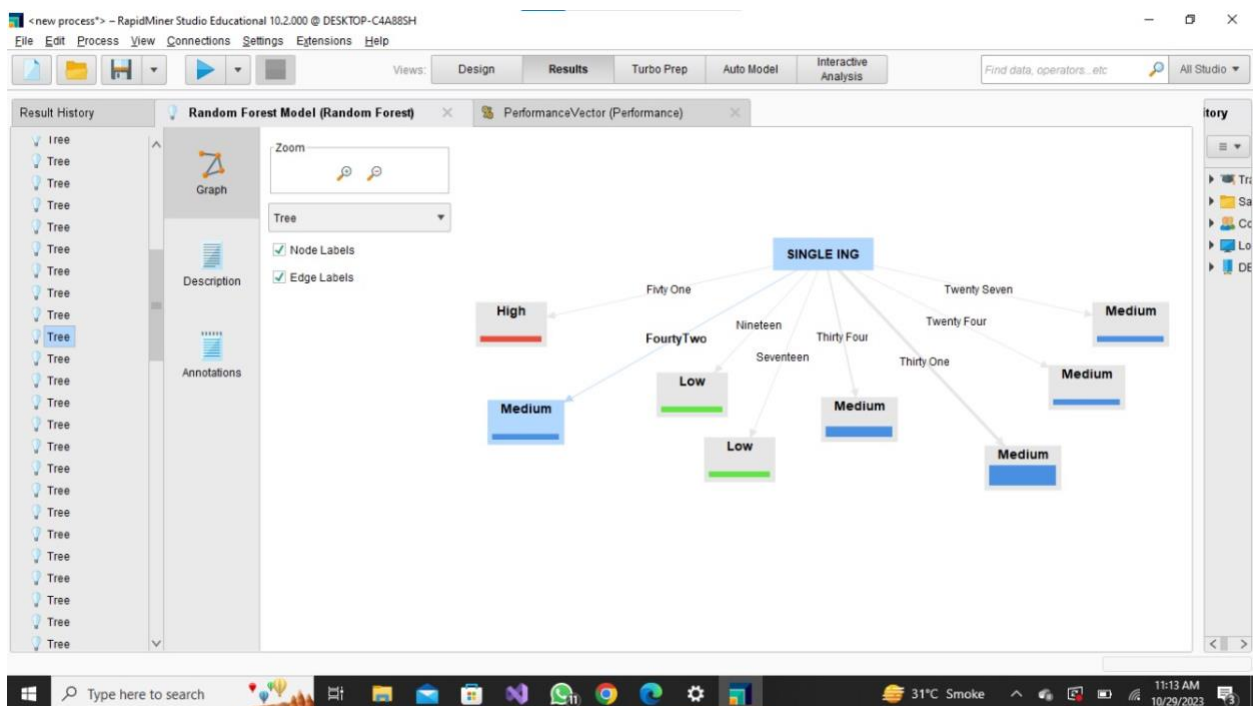
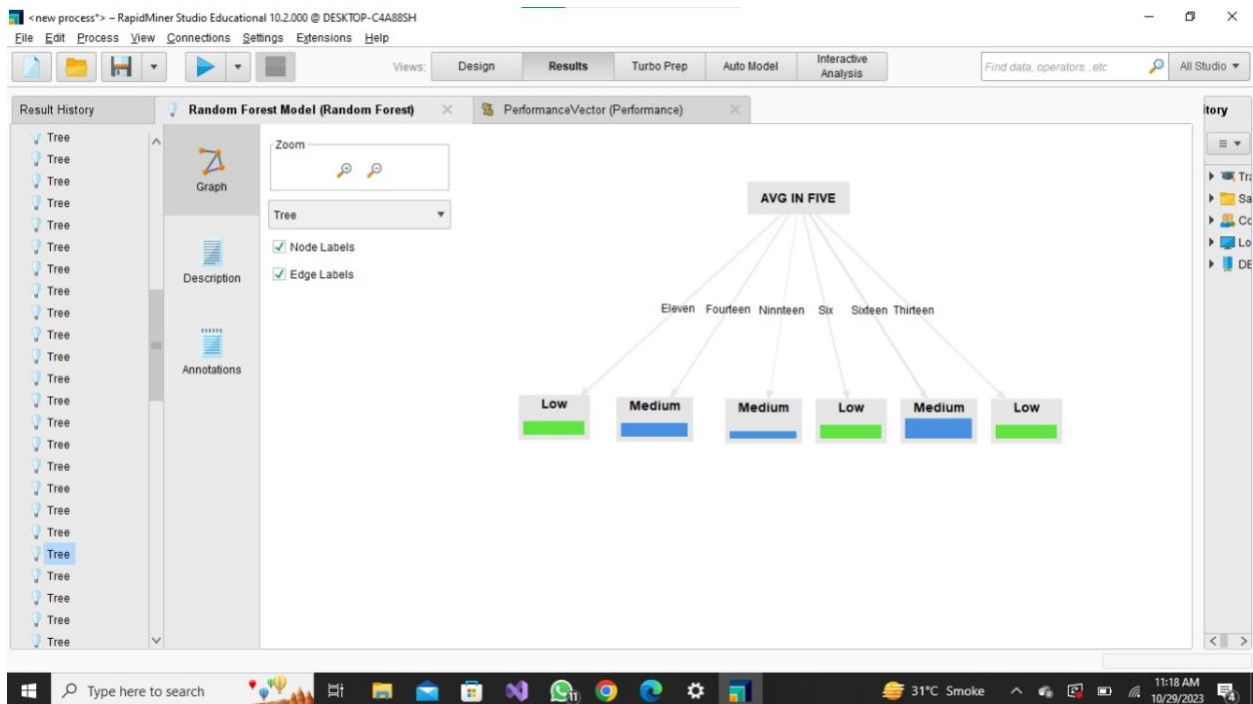
## Performance of DT :

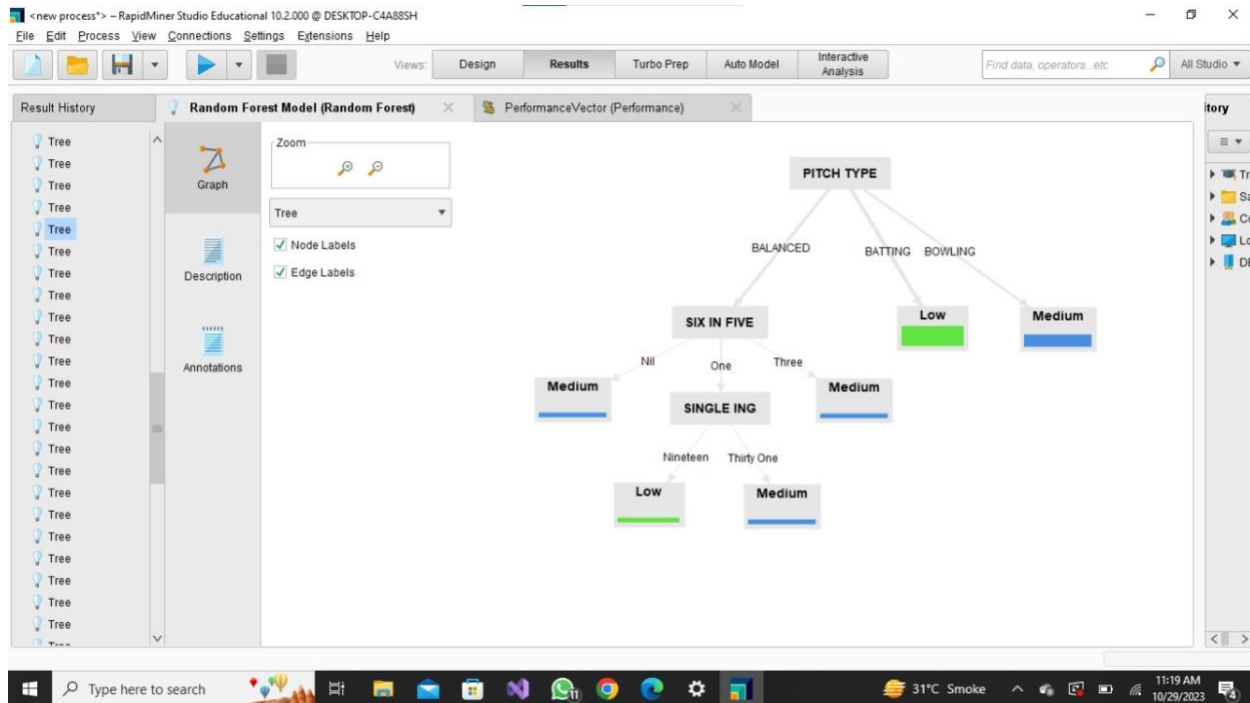


## Model Design of RF:



Some DT of RF :





Performance of RF :

<new process\*> - RapidMiner Studio Educational 10.2.000 @ DESKTOP-C4A88SH

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Interactive Analysis

Find data, operators, etc. All Studio

Result History

Random Forest Model (Random Forest)

PerformanceVector (Performance)

Criterion accuracy

Table View Plot View

accuracy: 50.00%

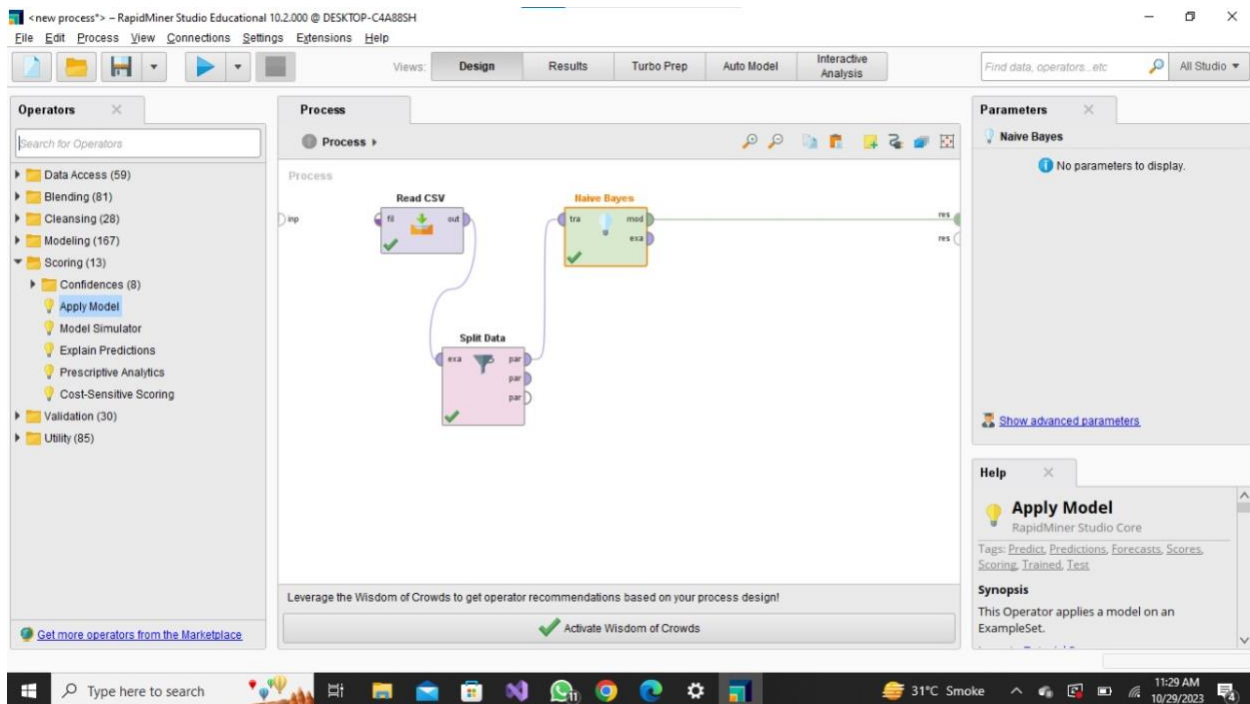
	true Medium	true Low	true High	class precision
pred. Medium	2	1	1	50.00%
pred. Low	1	1	0	50.00%
pred. High	0	0	0	0.00%
class recall	66.67%	50.00%	0.00%	

Type here to search

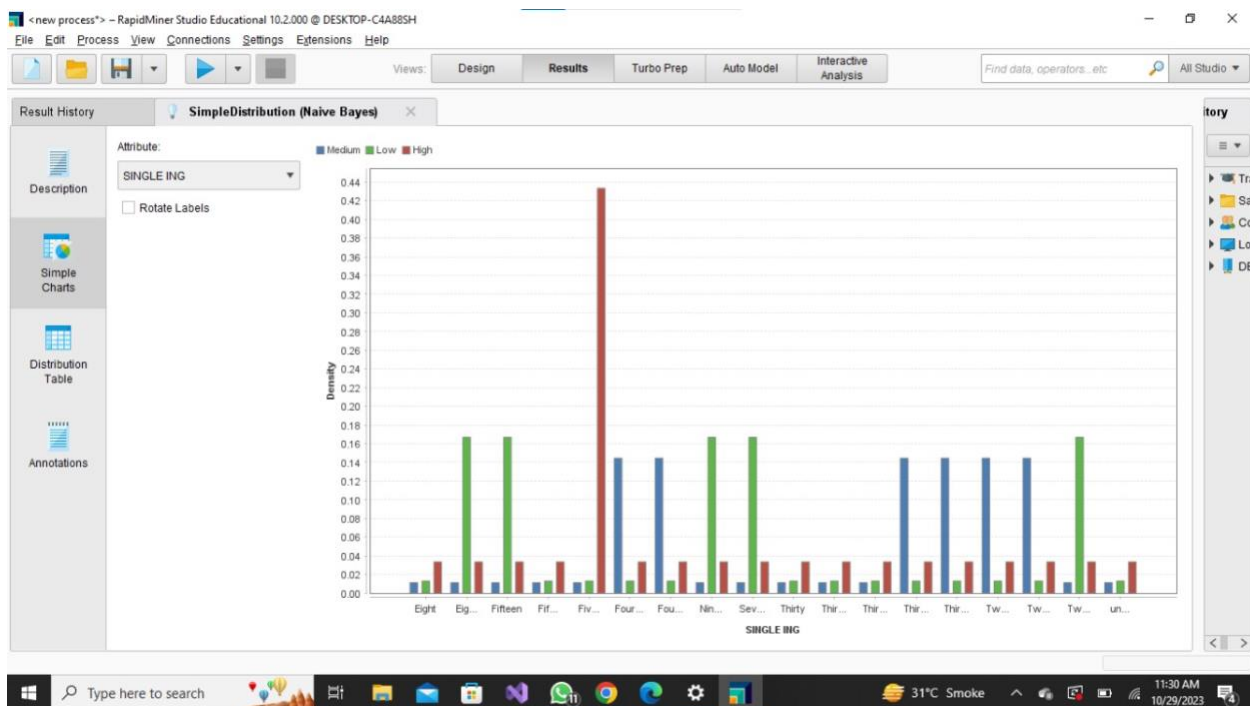
31°C Smoke

11:20 AM 10/29/2023

## Model Design of NB :



## Single inning Chart of NB



## Model Design NB with Apply model :

The screenshot displays the RapidMiner Studio interface for designing a Naive Bayes model. The main canvas shows a process flow starting with 'Read CSV', followed by 'Split Data', then 'Naive Bayes', and finally 'Apply Model'. The 'Apply Model' operator is selected in the Operators panel on the left. The Parameters panel on the right shows the 'logverbosity' parameter set to 'init' and the 'logfile' parameter set to an empty field. The Help panel on the right shows the 'Process' operator description.

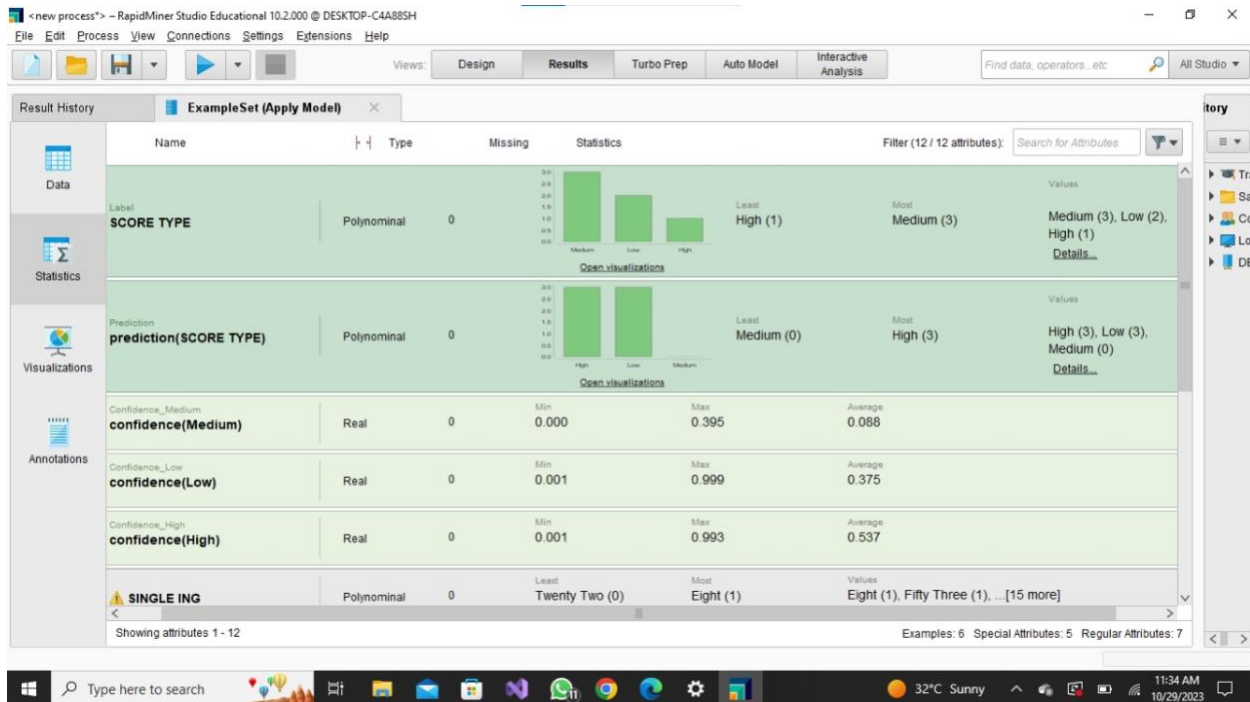
## Prediction of Model with NB :

The screenshot displays the 'Result History' panel in RapidMiner Studio, showing the output of a Naive Bayes model prediction. The table contains 6 rows of data, with columns for 'Row No.', 'SCORE TYPE', 'prediction(S...', 'confidence(...', 'confidence(...', 'SINGLE ING', 'SCORE IN FL...', 'FOUR IN FIVE', 'SIX IN FIVE', 'AVG IN FIVE', and 'WEATHER'.

Row No.	SCORE TYPE	prediction(S...	confidence(...	confidence(...	confidence(...	SINGLE ING	SCORE IN FL...	FOUR IN FIVE	SIX IN FIVE	AVG IN FIVE	WEATHER
1	Medium	High	0.015	0.008	0.977	Thirty	Forty Nine	Four	One	Nine	Pretty clou
2	Low	High	0.006	0.001	0.993	Eight	Twenty Seven	Nil	One	Five	Sunny
3	Low	Low	0.000	0.999	0.001	Nineteen	Forty Seven	Three	Two	Nine	Clear
4	Medium	High	0.395	0.075	0.530	Thirty Eight	Eighty Three	Four	Two	Sixteen	Clear
5	High	Low	0.108	0.521	0.370	Fifty Three	One Hundred...	Eight	Three	Twenty One	Pretty clou
6	Medium	Low	0.001	0.645	0.353	Thirty Five	Eighty Nine	Seven	Two	Seventeen	Pretty clou



State of Apply Model with NB :



Name : Muhammad Raees

Section : 6<sup>th</sup> A

Seat number : 19122041

Submitted to : Mam Dr Uzma

