

B.M.S College of Engineering
Department of Machine Learning

Data visualization Lab

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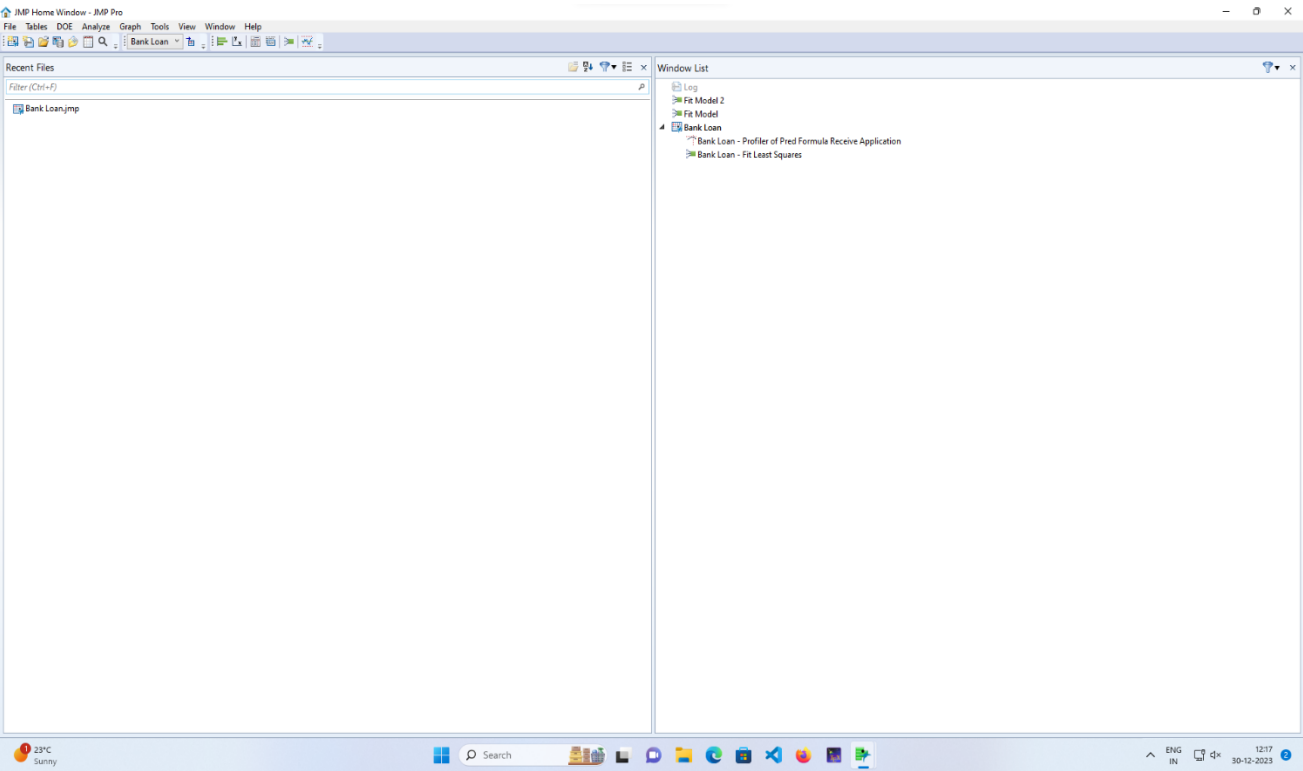
30-12-2023

Prof. Seemanthini K

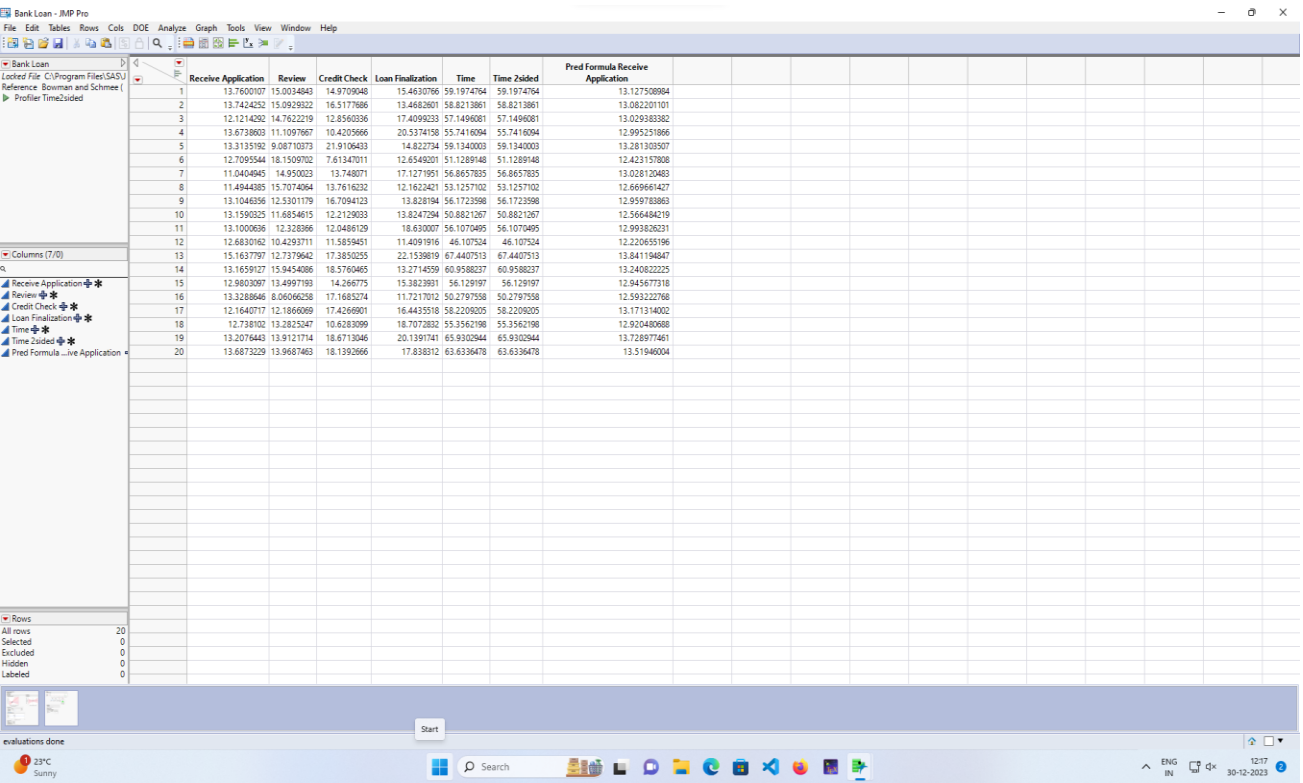
Dept of ML

Q: Use prediction profiler to find best process conditions that maximizes desirability. Perform Monte Carlo Simulation and Simulation experiment to desire a robust solution.

1.Open the JMP software.



2.Import a CSV file.



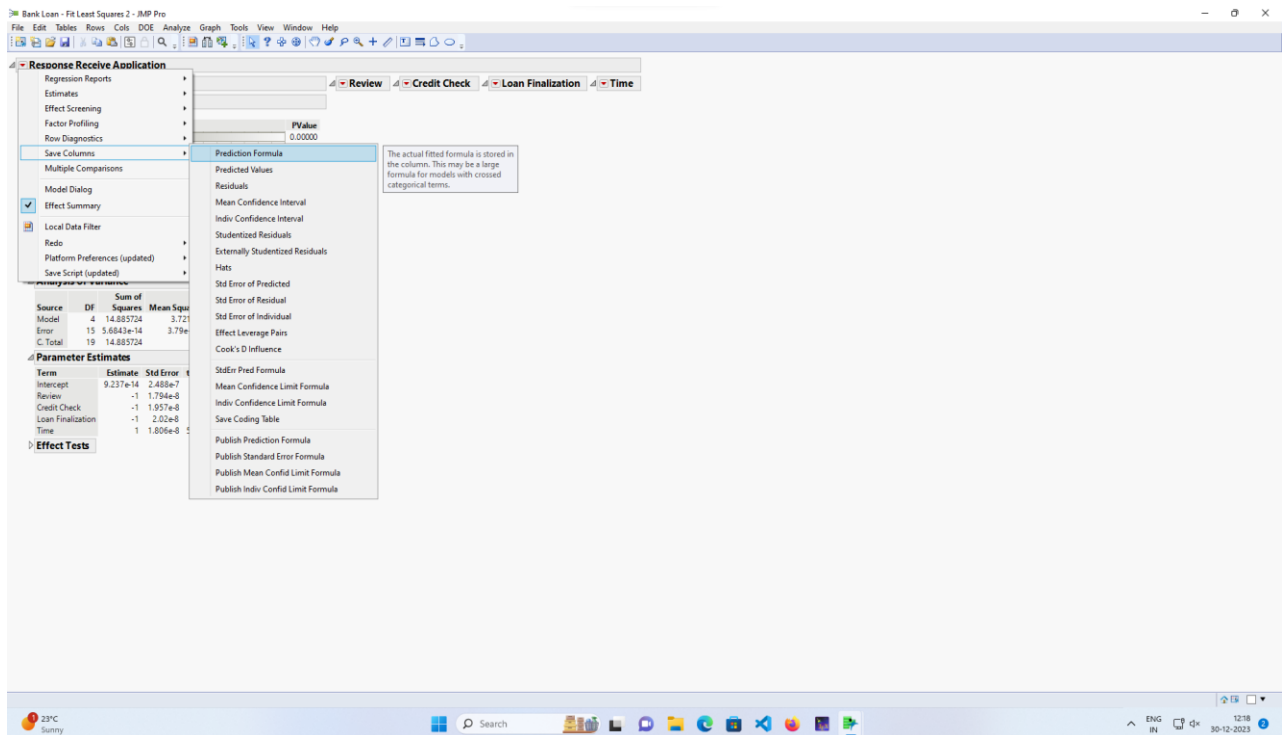
3. Use the fit model option in analyze in the file menu.

The screenshot shows the JMP Pro interface with the 'Analyze' menu open. The 'Fit Model' option is selected. The data table 'Bank Loan' is visible with columns: Credit Check, Loan Finalization, Time, Time Zided, and Pred Formula Receive Application. The 'Fit Model' dialog box is open, showing the 'Fit Model' option selected under the 'Analyze' menu.

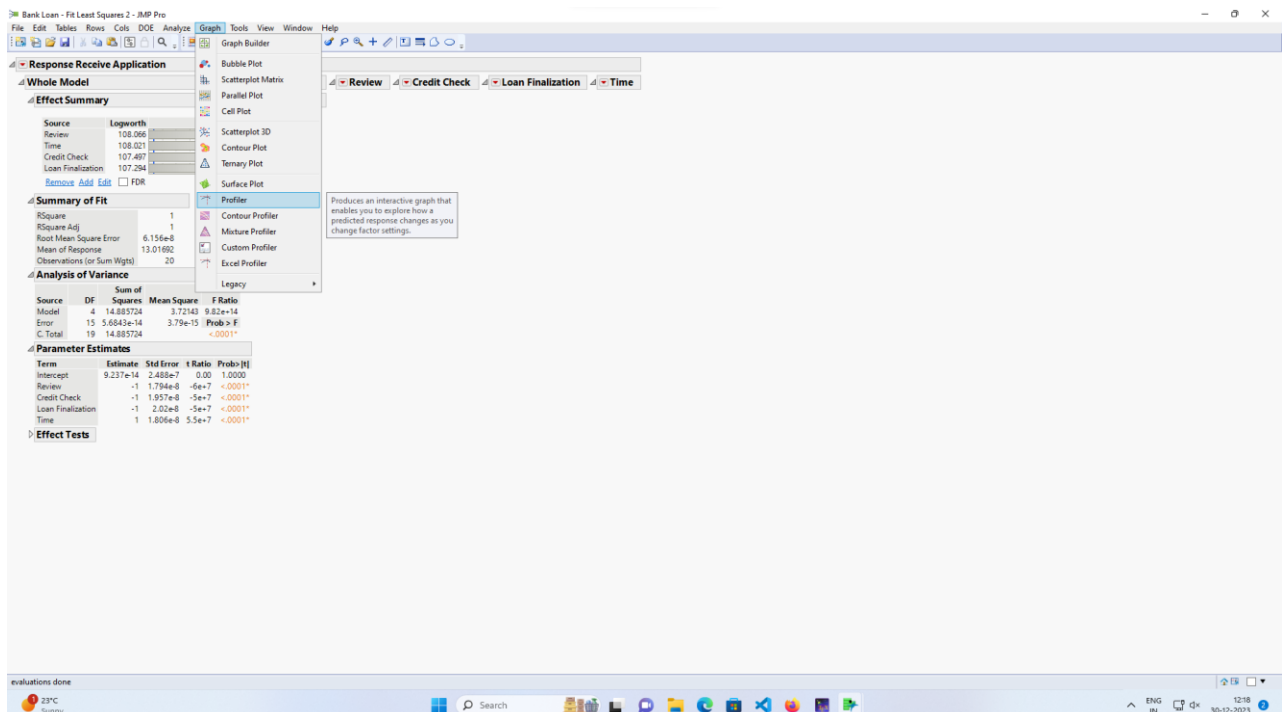
4. Give the input to Y axis from the set of columns in dataset, add the columns to construct model effects.

The screenshot shows the 'Fit Model' dialog box in JMP Pro. The 'Y' variable is 'Receive Application'. The 'X' variables are 'Credit Check', 'Loan Finalization', 'Time', and 'Time Zided'. The 'Construct Model Effects' section is expanded, showing 'Add', 'Cross', 'Nest', 'Macros', 'Degree', 'Attributes', and 'Transform' options.

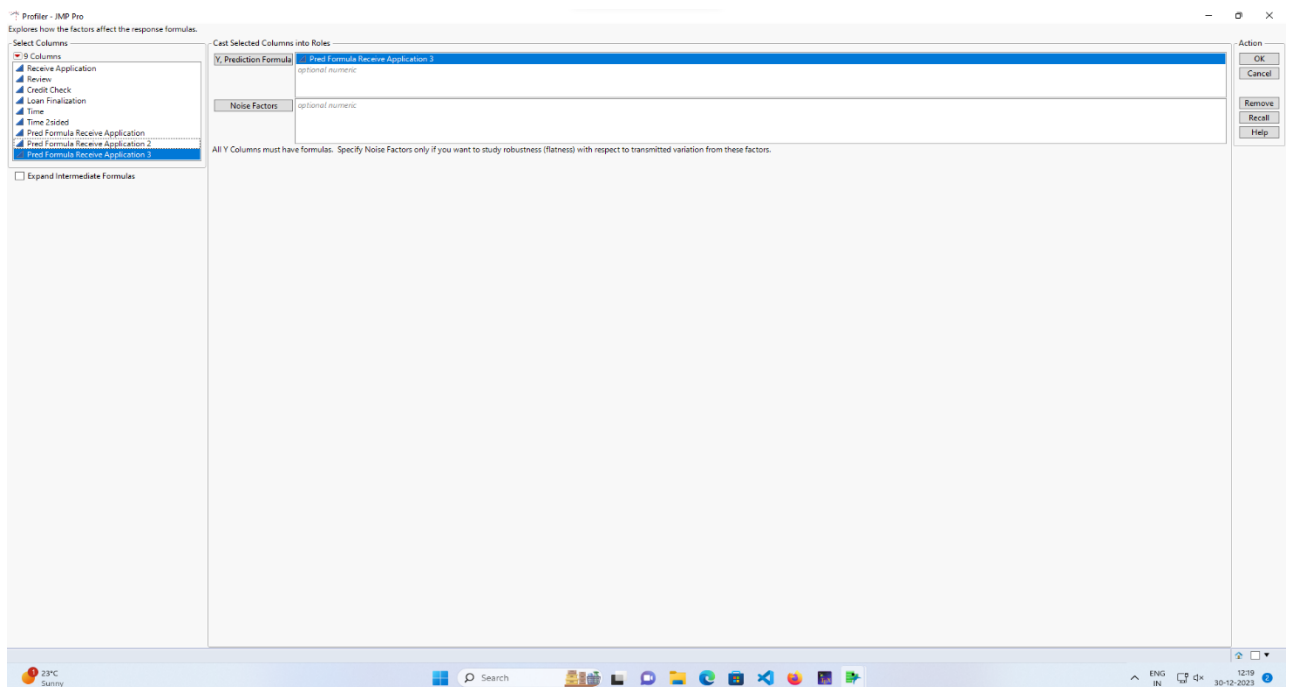
5. After Running, the response receive application will be opened.



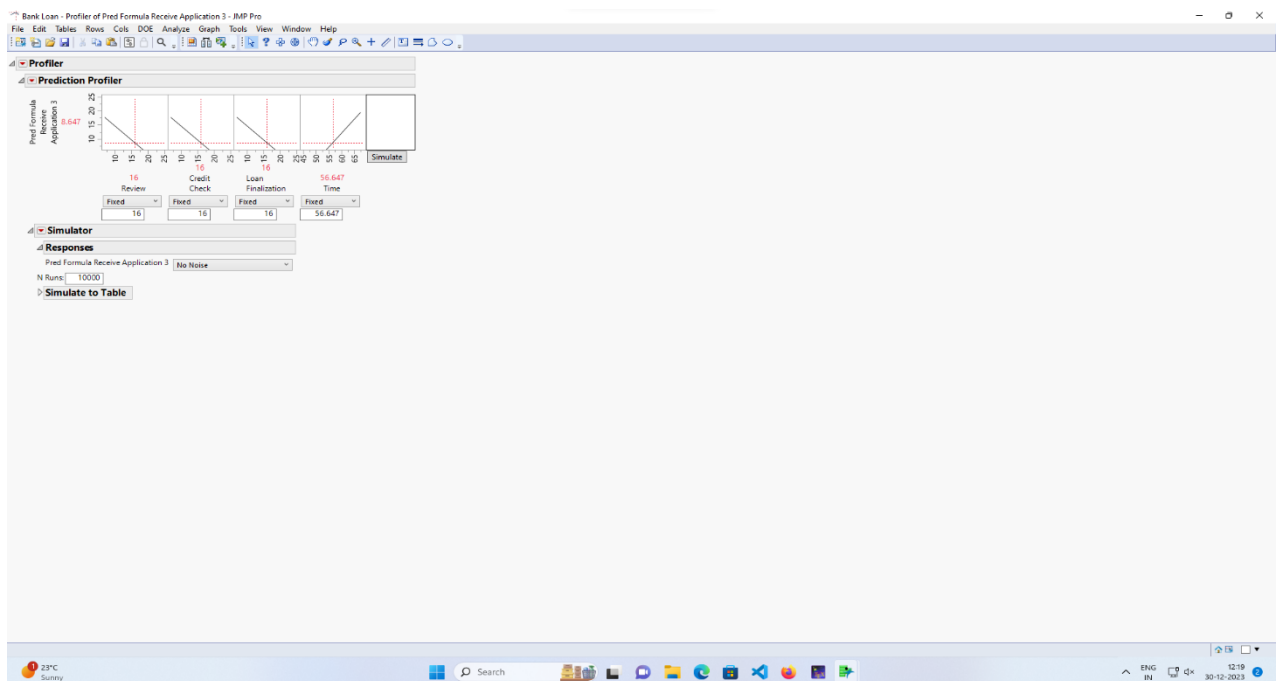
6. From this, the prediction profiler will be activated through the graph profiler activation of required column in dataset.



7. Add the column which we created from the RRA.



8. Stimulate the output with a number of runs to 100.



9. Model is complete, finish.

