BizViz How-to-Guide

Predictive Analysis

General Workflow

Release :   2.0

Date: March 3, 2016

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1. Document Purpose

The purpose of this document is to guide users on how to create a basic predictive model using the BizViz predictive analysis tool. It is recommended that users follow the step-by-step process given below.

2. Prerequisites

2.1. Software

- Browser that supports HTML5
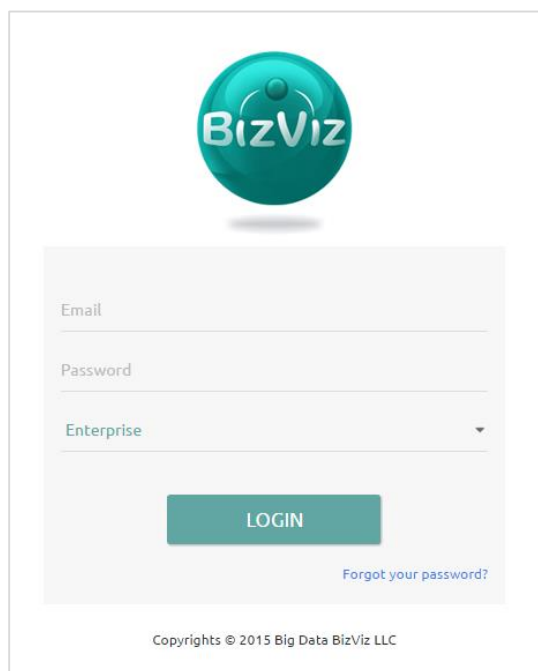- Operating System: Windows 7

2.2. Knowledge of BizViz Server

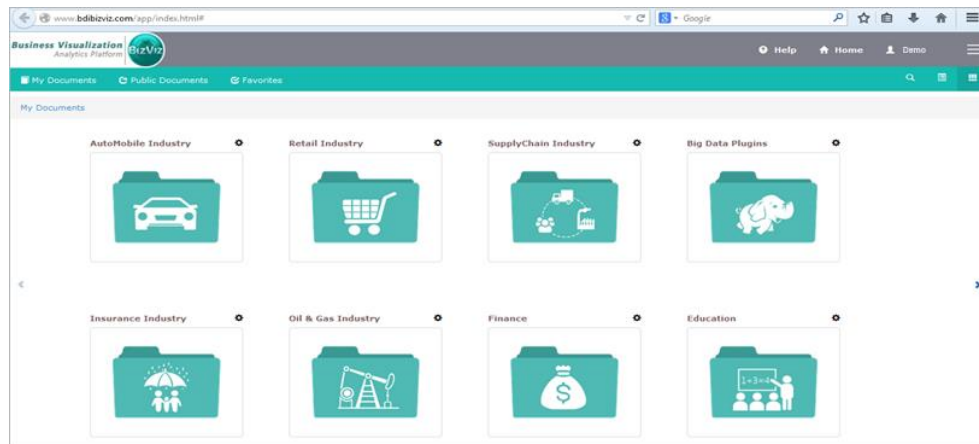The user should have a basic understanding of the BizViz Server

3. Step-by-Step Process
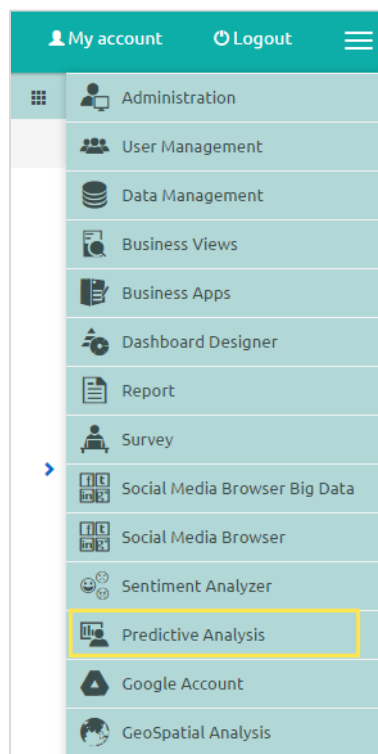
3.1. Login to the BizViz Portal

i) In the URL bar, enter → http://apps.bdbizviz.com/app/index.html
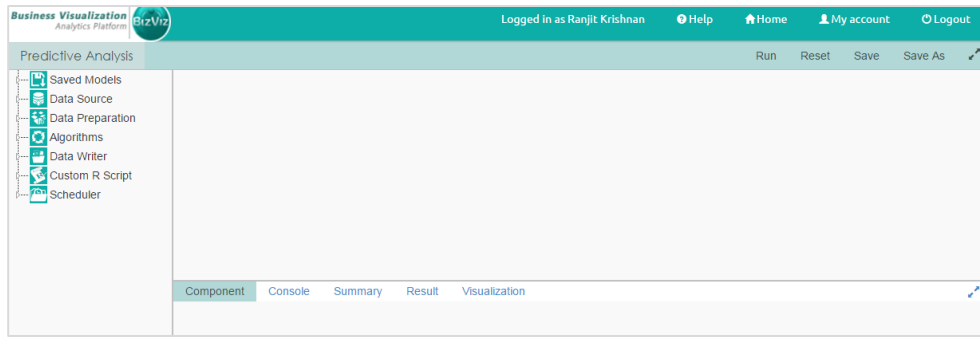ii) Enter your credentials to Login

iii) Click on '**Login**' to view the BizViz Portal Home Screen

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iv) Click on the 'Menu' ![menu icon] button to display a list of the installed applications.
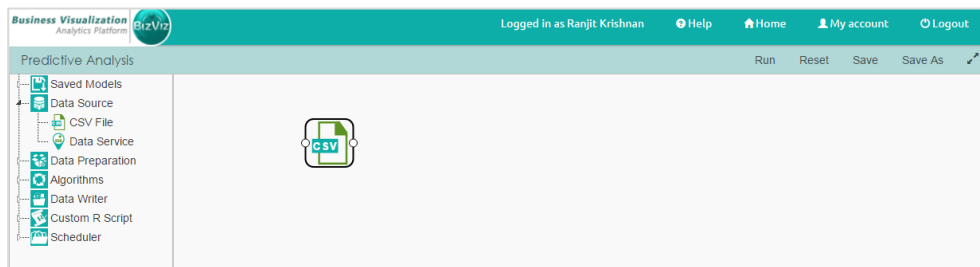

v) Click on '**Predictive Analysis**', as shown above.
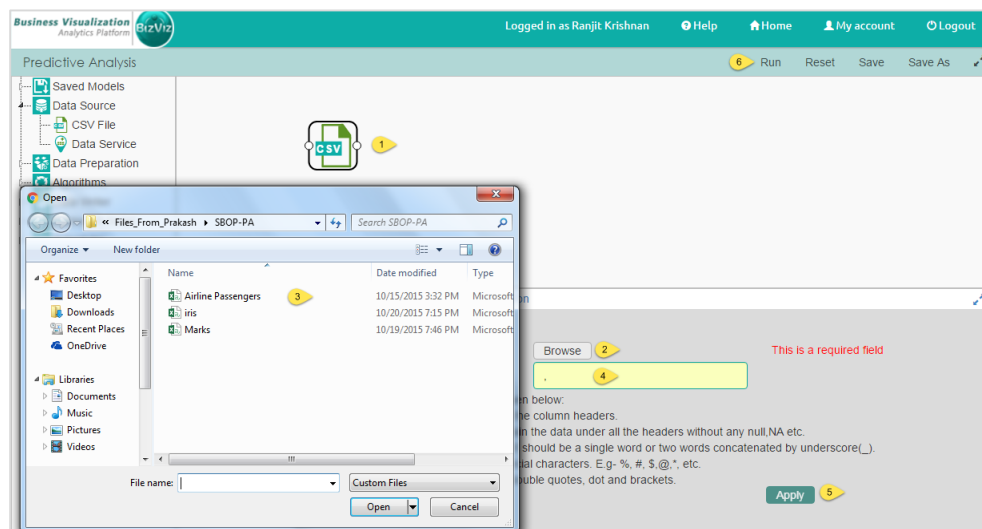vi) The user will be redirected to the predictive analysis home screen.

3.2. Select a Data Source

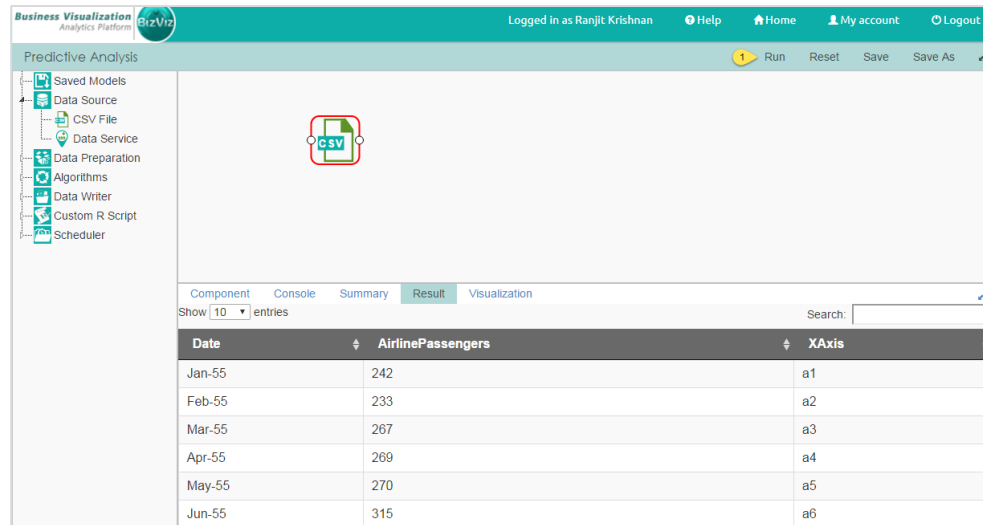i) Click on the '**Data Source**' icon and drag the CSV component onto the workspace.

ii) Click on the '**CSV**' component and upload a **.csv** file using the browse option,as shown below. Enter a **comma (,)** in the delimiter field.


iii) Click on '**Apply**'.

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iv) Click on '**Run**' and select '**Result**', as shown below, to preview the data available in the **.csv** file.

3.3. Selecting an Algorithm

i) Click on the '**Algorithm**' icon located in the menu on the left side of the screen. Navigate to the '**Double Exponential Smoothing**' algorithm, located under '**Forecasting**'. Drag and drop the component onto the workspace.

ii) Connect the **'CSV'** component to the '**Algorithm**' component by clicking on the circle from one component and dragging a line to the circle of the other component.
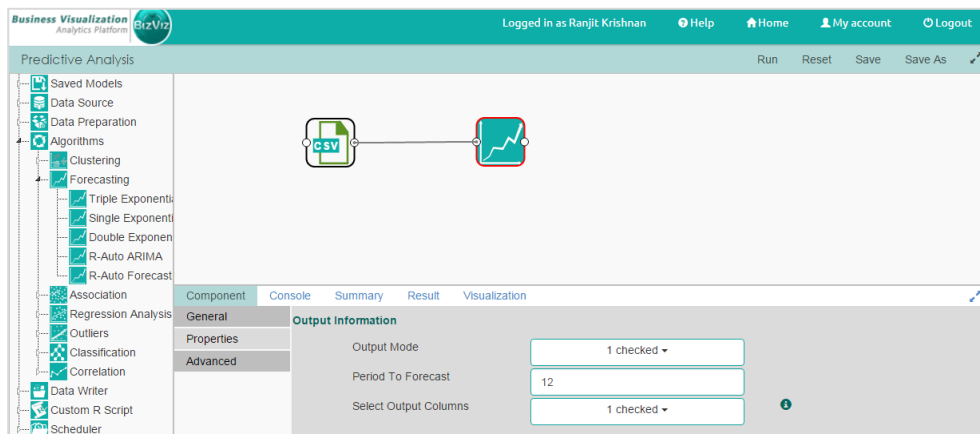
iii) Click on the '**Algorithm**' component and configure the fields as shown below.

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Output Information
- Output Mode: Select the action that you would like to perform with the data. i.e.(Forecast/Trend)
- Period to Forecast: Define a time period
- Select Output Columns: Select the column on which the forecast should be performed.

Column Selection
- Target Variable: Select the target column

Input Data Handling
- Period: Select the period (i.e. Quarter/Month)
- Start Period: Define the time period
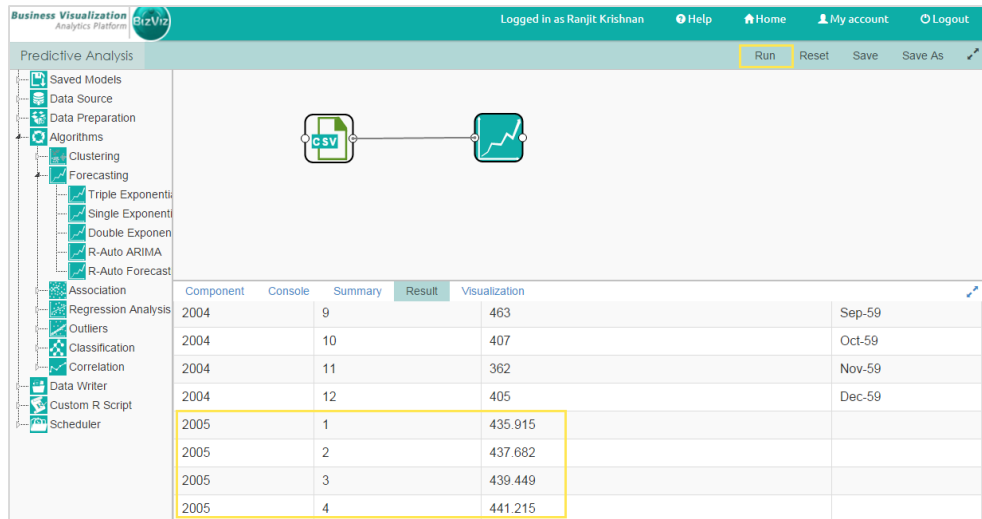- Start year: Enter the starting year present in your data

New Column Information
- Year Values: Define the output column name
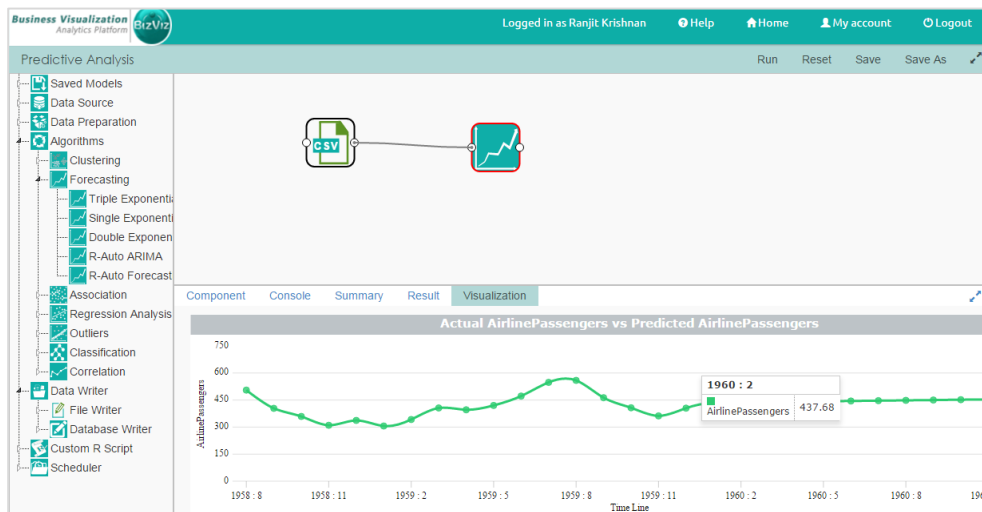- Month Values: Define the output column name

iv) Click on '**Apply**' after entering all the fields, as shown below.
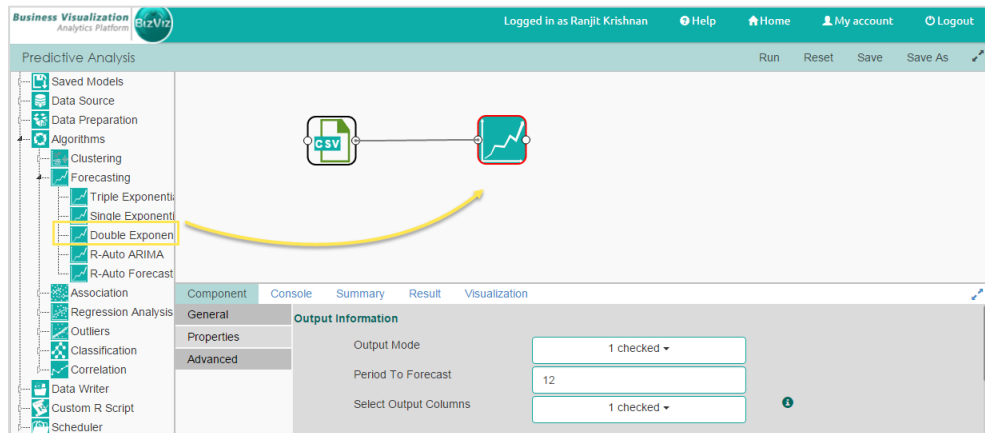
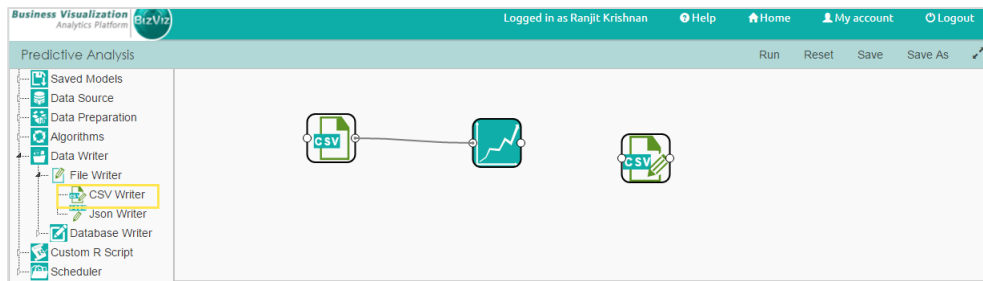v) Click on '**Run**' to view the predicted values.

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vi) Click on the '**Visualization**' button to view the predicted graph.


Note: In the above figure, we can see that the prediction value starts from first month of 1960.

3.4. Select a Target file

i) Click on the '**Data Writer**' icon and drag and drop the '**CSV Writer'** component onto the workspace.

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ii) Connect the '**Data Writer**' service component to the '**Algorithm**' component by clicking on the circle from one component and dragging a line to the circle of the other component.
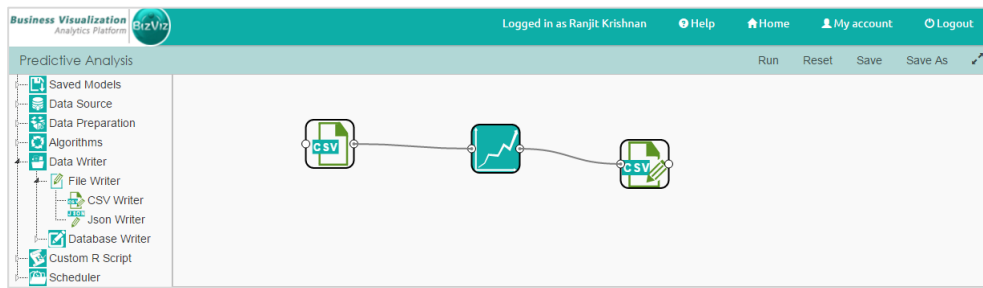
iii) Clicking on the '**.CSV**' component provides space at the bottom of the screen to enter a name for the target file. Name the file and click on '**Apply**'.

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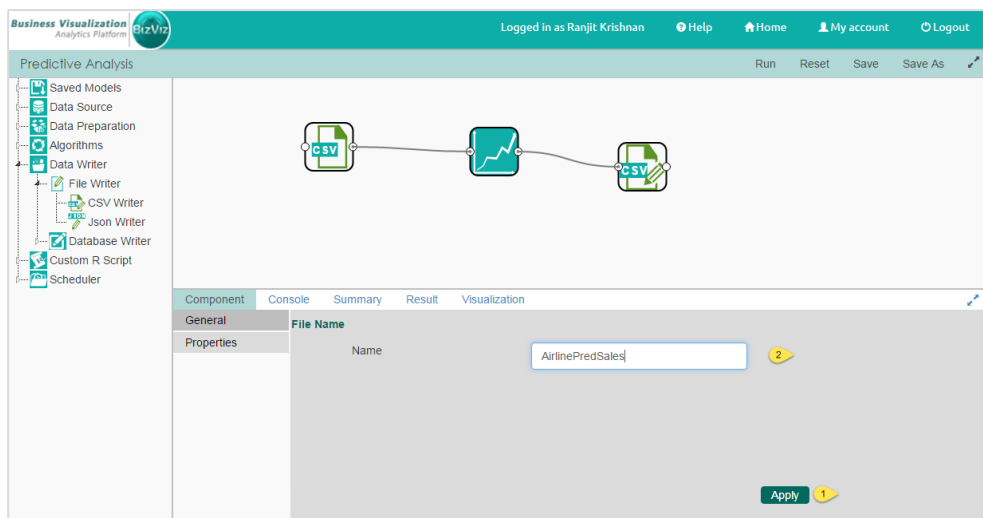
iv) Clicking on '**Run**' will display a pop-up window which users can use to download the target file.