



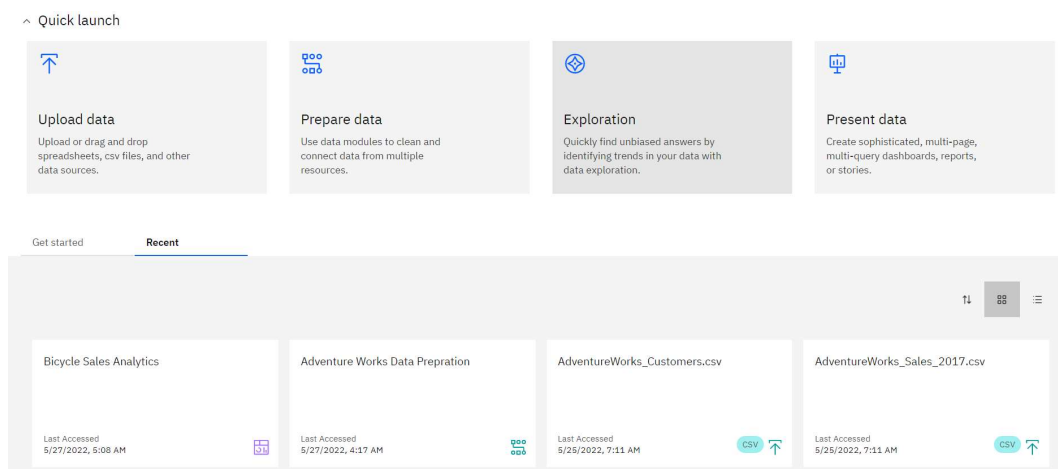
**Name: - Shashank R**

**Project: - Bicycle Sales Analytics**

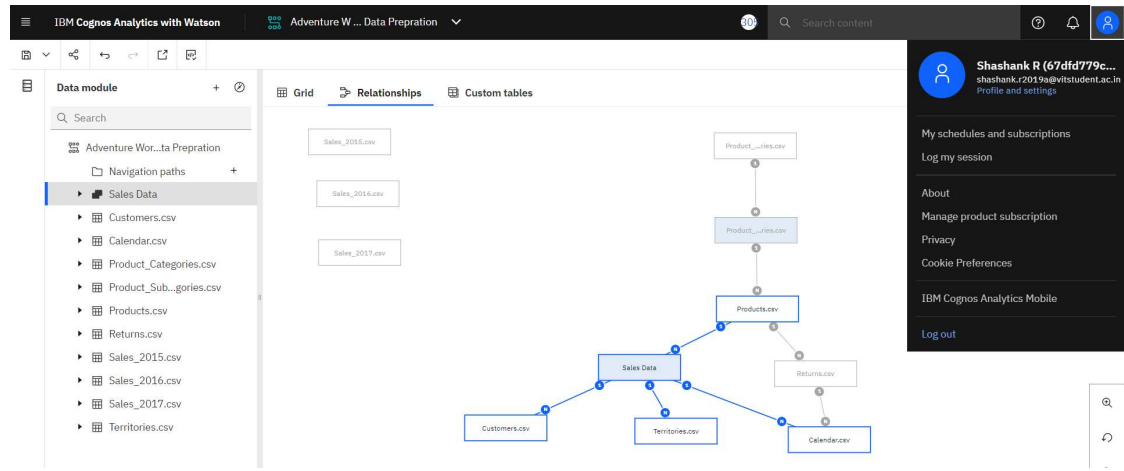
**Campus: - VIT Chennai**

**Registration number: - 19MIA1105**

## **1) Loading Adventures work data in Cognos**



## 2) Data Preparation



## 3) Creating calculated fields

➤ Year, Month and Day from calendar file

The screenshot shows the "Create calculation" dialog box. The "Name" field is set to "year". The "Expression" field contains the formula "1 Year(Date\_)". The "Components" panel on the left shows a list of data sources: "Calendar.csv", "Row Id", and "Date". The "Validation Results" section at the bottom indicates "The expression is valid." with a green checkmark. At the bottom of the dialog, there is a checkbox for "Calculate after aggregation" (which is unchecked), and "Cancel" and "OK" buttons.

Create calculation

Name

month

Components

Search

Calendar.csv

# year

# Row Id

**Date**

Expression

1 month (Date\_ )

Validation Results

The expression is valid.

Create calculation

Name

day

Components

Search

Calendar.csv

# month

# year

# Row Id

**Date**

Expression

1 day(Date\_)

Validation Results

The expression is valid.

## ➤ Formatting Year, Month and Day from calendar file

Data format

Column:

year

Format type:

Date/Time

ⓘ Clock

Default

ⓘ Date separator

Default

ⓘ Date style

Default

ⓘ Date ordering

Default

ⓘ Display AM and PM symbols

Default

ⓘ Display time zone

Default

ⓘ Time separator

Default

ⓘ Missing value characters

<empty>

Advanced options

Reset properties

## Data format

×

Column: month

Format type: \*

Date/Time



- ① Clock
- ① Date separator
- ① Date style
- ① Date ordering
- ① Display AM and PM symbols
- ① Display time zone
- ① Time separator
- ① Missing value characters

Default



Default



Default



Default



Default



Default



Default



<empty>

Advanced options

Reset properties



## Data format

×

Column: day

Format type: \*

Date/Time



- ① Clock
- ① Date separator
- ① Date style
- ① Date ordering
- ① Display AM and PM symbols
- ① Display time zone
- ① Time separator
- ① Missing value characters

Default



Default



Default



Default



Default



Default



Default



<empty>

Advanced options

Reset properties



#### 4) Data Visualisation

This part will be present in another document under  
**bicycle sales analytics visualisation**