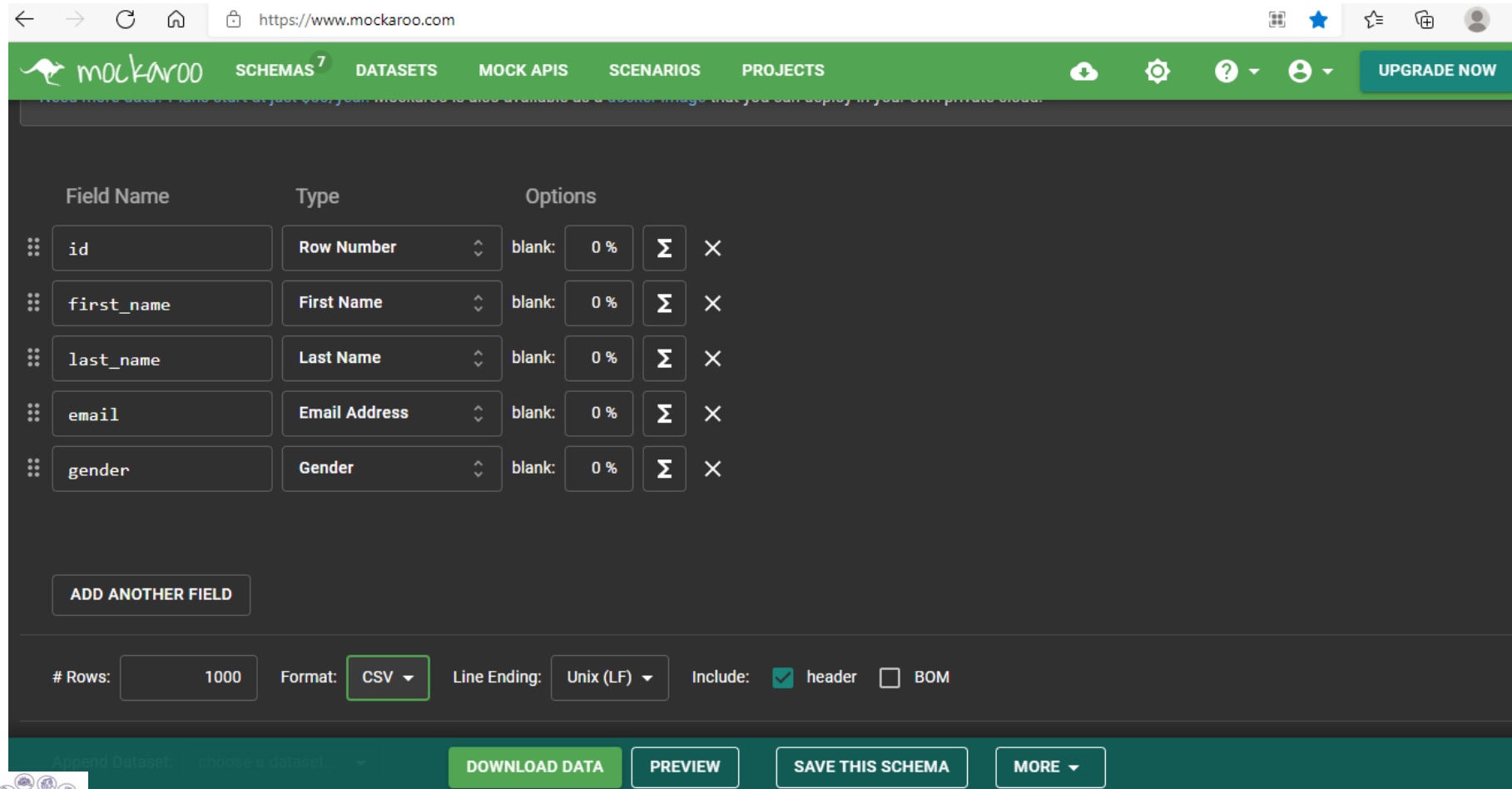


Mackaroo- Random Data Generator

It is a free data generator tool which lets you create custom datasets as per the specified schema to test and demo your application.

<https://www.mockaroo.com>



The screenshot displays the Mockaroo web application interface. At the top, there is a navigation bar with links for SCHEMAS, DATASETS, MOCK APIS, SCENARIOS, and PROJECTS. Below this, a table allows users to define a schema with the following columns: Field Name, Type, and Options.

Field Name	Type	Options
id	Row Number	blank: 0 % Σ ×
first_name	First Name	blank: 0 % Σ ×
last_name	Last Name	blank: 0 % Σ ×
email	Email Address	blank: 0 % Σ ×
gender	Gender	blank: 0 % Σ ×

Below the table, there is a button labeled "ADD ANOTHER FIELD". At the bottom of the interface, there are settings for the data generation: # Rows: 1000, Format: CSV, Line Ending: Unix (LF), and Include: ☒ header ☐ BOM. At the very bottom, there are buttons for "DOWNLOAD DATA", "PREVIEW", "SAVE THIS SCHEMA", and "MORE".



Mackaroo- Random Data Generator

Download dataset using Mackroo.com to create the following tables:

Student

Student ID

Student Name

Gender

DOB

Birth Country

Citizenship

Status (**Active**/Deferred/Withdrawn)

Reason for withdrawal
(Homesick /Academically
Unprepared/Expensive)

Feedback with 5 questions

SID

Q01 - Professors teach well at this university?

Q02 - Teacher encourage us to perform better?

Q03 - I feel job-competent moving forward
from this university?

Q04- Lecturers were proficient enough?

Q05 - I would like to recommend this
educational institution to others?

Responses : Strongly Agree - 5

Moderately Agree - 4

Neither Agree or Disagree - 3

Moderately Disagree - 2

Strongly Disagree - 1



Data Modelling in Power BI

Data Modeling is used to connect multiple data sources using relationship and allows us to create visuals based on multiple data sources.

To create a data model we need to switch to Model view.



Report View - Allows us to create the visuals



Data View – to see the data from various sources

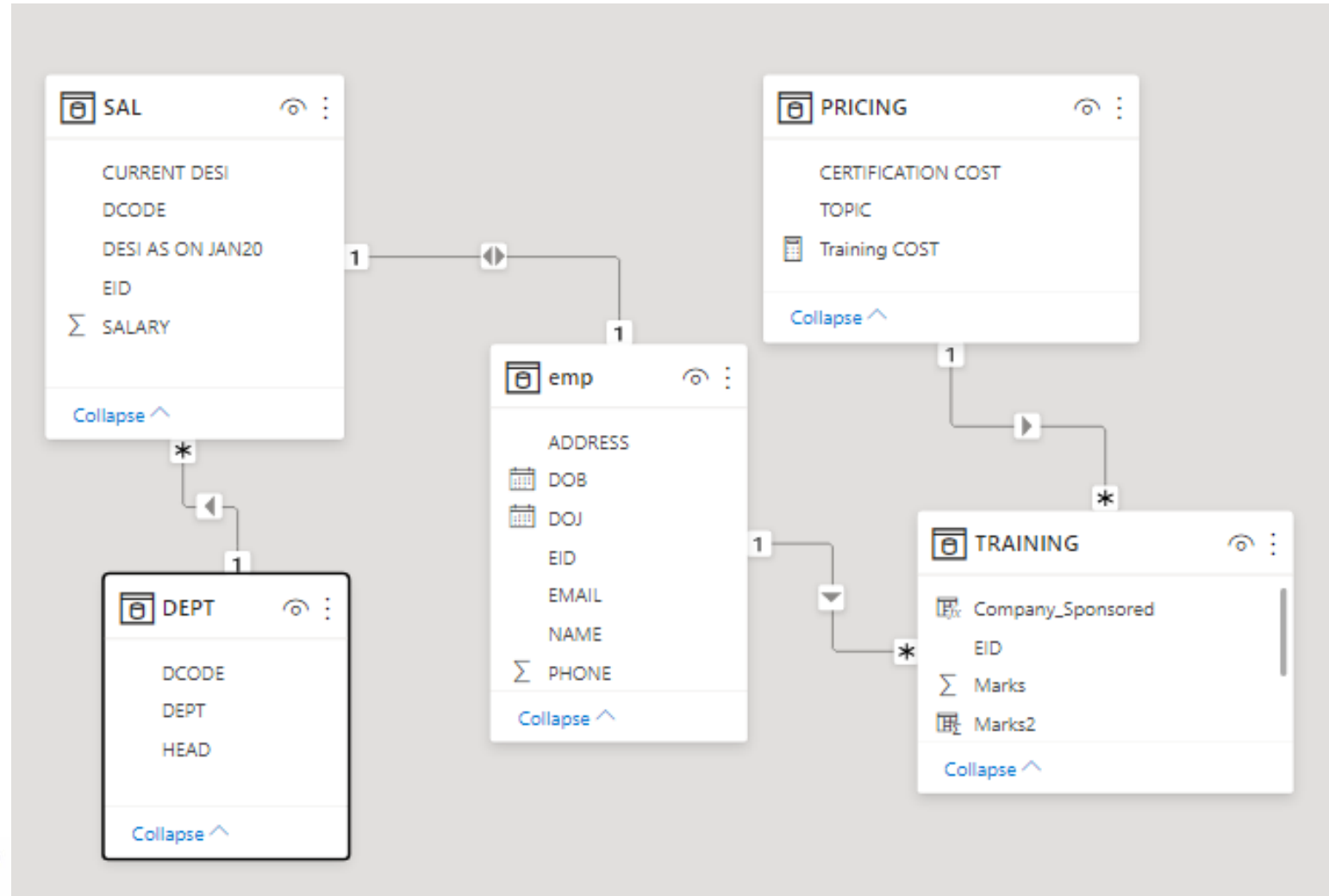


Model View – to manage relationships



Data Modelling in Power BI

The below model shows the relation ship between Employee, Salary, Dept, Pricing & Training Tables.



Data Modelling in Power BI

The objective of the model is to analyze the training status on the basis of department head

Training Analysis:

- No of Training applied under each head

- No of training completed under each head

- Training result of each head

- No. of company Sponsored Trainings under each head (*Marks ≥ 95 is CS*)

- Training applied for each module

- Percentage of self & company sponsored training

Cost Analysis:

- Department wise total salary

- Department wise cost of company sponsored training

- Bifurcation of company & self sponsored training under each module

- Total no of trainings conducted under each module along with the total cost.

