

Master Table

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cog

cohort

learn

public.master_table/exceleratedb/postgres@PostgreSQL 17

No limit

Mapping Table

The following mapping table documents the structure of the master dataset used for dashboard creation. Each row describes a final column in the dataset, its origin, data type, transformation applied, and its purpose in visualization.

This table helped in planning the data transformations and selecting the most relevant features for visual representation. Columns such as age, apply_date, and opportunity_name were derived or cleaned specifically to support KPIs and visual insights.

Mapping Table

	Final column Name	Source Column	Source Dataset	Data Type	Transformation Applied	Purpose inVisualization
1	enrollment_id	enrollment_id	learner opportunity	UUID	As-is	Unique identifier, internal tracking
2	learner_id	learner_id	learner opportunity	Text	As-is	Used to link individual learner data
3	assigned_cohort_code	assigned cohort	learner opportunity	Text	As-is	Group learners by assigned cohort
4	size	size	cohort data	Integer	As-is	KPI for cohort size comparison
5	apply_date	apply_date	learner opportunity	Date	Converted from timestamp	Track when learners applied
6	start_date	start_date	cohort data	Date	Converted from timestamp	Analyze cohort start times
7	end_date	end_date	cohort data	Date	Converted from timestamp	Analyze cohort duration
8	opportunity_name	opportunity_name	opportunity	Text	Cleaned Text	Visualize different programs learners applied for
9	category	category	opportunity	Text	As-is	Filter dashboards by course category
10	gender	gender	congitto	Text	Standardized Values	Demographic breakdown by gender
11	age	birth date	cohort data	Integer	Calculated from birthdate	Age segmentation of learners
12	country	country	user data	Text	Standardized country name	Country-wise participation analysis
13	degree	degree	user data	Text	Grouped similar degrees	Education level filtering
14	user create date	usercreatetable	congitto	Date	Converted from timestamp	Timeline of account creation

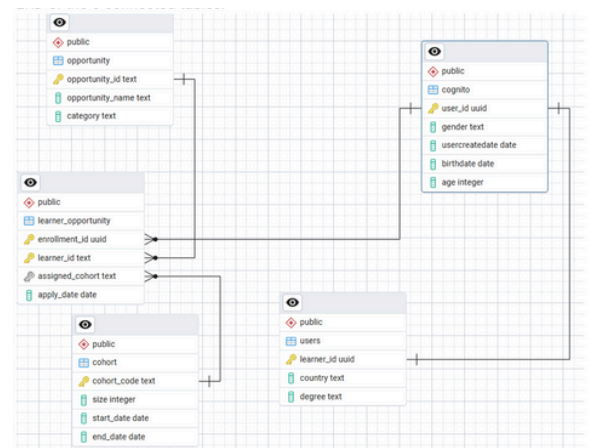
If needed, [click here](#) to view the full mapping table in Excel/Sheets format.

Key Metrics & KPIs

Selected KPIs for Dashboard Visualization

KPI / Metric	Description / Logic	Dashboard Use
Total Enrolled	Count of enrollment_id or learner_id	High-level performance summary
Total Countries	Unique count of country	Shows global reach
Total Opportunities	Unique count of opportunity_name	Indicates diversity of programs
Enrollments Over Time	Count of enrollment_id grouped by apply_date or start_date	Trend analysis over months
Top 10 Opportunities	opportunity_name with highest enrollment counts	Shows learner interest
Top 10 Countries	country with highest number of learners	Highlights geographic hotspots
Gender Distribution	Proportion of gender column	Demographic insight
Degree Distribution	Distribution of values in degree	Education level breakdown
Age Group Distribution	Buckets of age (e.g. 18–24, 25–34, etc.)	Demographic insight
Courses Started Per Month	Count of new start_date entries per month	Tracks program launch frequency
Enrollment by Country & Gender	Combined grouping by country and gender	Gender balance across regions

ERD of 5 Connected Tables

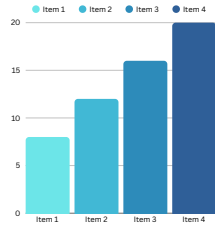


Wireframe

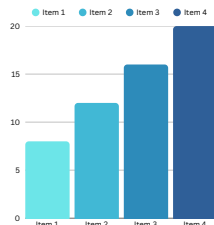
Total
Enrolled

Total
Countries

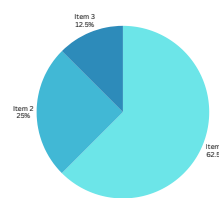
Total
Opportunities



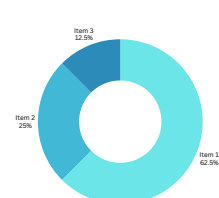
Distribution by Age Group



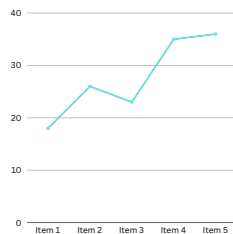
Top 10 Countries



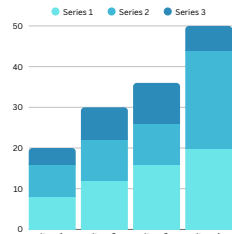
Gender Distribution



Degree Distribution



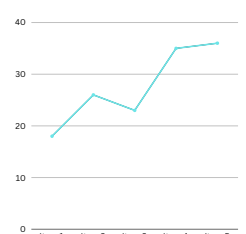
Enrollment
over Time



Enrollment by Country & Gender



Geo Chart of
Countries by
Enrollment



Number of Courses started by each
Month



Annotations for Wireframe

Section

Why It's Here

Top KPIs

To give users an instant overview of reach and scale

Enrollments Over Time

Shows engagement trends over time

Top Opportunities

Highlights popular programs for strategic focus

Geo Chart + Country Breakdown

To analyze performance by location

Gender & Degree Distribution

Understand learner demographics for program suitability

Age Group Chart

Useful for tailoring communication and course design

Courses Started per Month

Track how many new courses were launched

Enrollment by Country & Gender

Analyze gender representation across countries