

How are our executives driving campaign success in 2023?

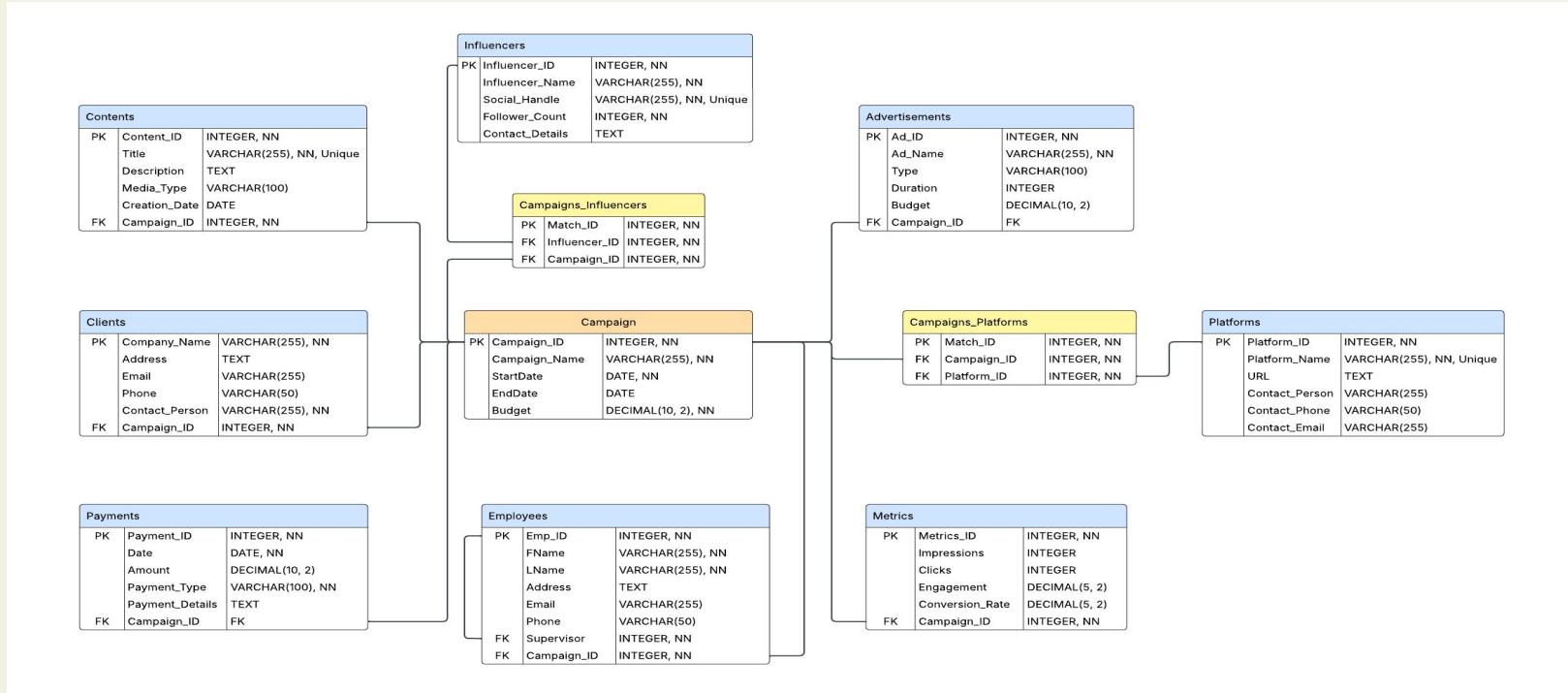
*An overview of conversions,
cost-efficiency, and team impact*



Table of Contents

- 1 Functional ER-Diagram
- 2 Database Setup in Beekeeper Studio
- 3 SQL-Examples in Action
- 4 Tableau-Dashboard: Structure, Logic, Insights
- 5 Recommendations

Functional ER-Diagram



Database Setup in Beekeeper Studio

ENTITIES 11	
+	
↳ [] Advertisements	
Ad_ID	integer
Ad_Name	text
Type	text
Duration	integer
Budget	real
Campaign_ID	integer
Platform_ID	integer
↳ [] Campaigns	
Campaign_ID	integer
Campaign_Name	text
StartDate	text
EndDate	text
Budget	real
Client_ID	integer
Employee_ID	integer
> [] Campaigns_Influencers	
> [] Campaigns_Platforms	
> [] Clients	
> [] Contents	
> [] Employees	
> [] Influencers	
> [] Metrics	
> [] Payments	
> [] Platforms	

```
<> MarketFlash_Database + Q1 <> + 

13 CREATE TABLE "Clients" (
14   "Client_ID" INTEGER PRIMARY KEY,
15   "CompanyName" TEXT,
16   "Address" TEXT,
17   "Email" TEXT,
18   "PhoneNo" TEXT,
19   "ContactPerson" TEXT
20 );
21
22 CREATE TABLE "Influencers" (
23   "Influencer_ID" INTEGER PRIMARY KEY,
24   "Influencer_Name" TEXT,
25   "Social_Handle" TEXT,
26   "Follower_Count" INTEGER,
27   "Contact_Details" TEXT
28 );
29 CREATE TABLE "Platforms" (
30   "Platform_ID" INTEGER PRIMARY KEY,
31   "Platform_Name" TEXT,
32   "URL" TEXT,
33   "Contact_Person" TEXT,
34   "Contact_Phone" TEXT,
35   "Contact_Email" TEXT
36 );
37
38 CREATE TABLE "Employees" (
```

1	SELECT * FROM Campaigns;
2	
3	
4	
5	
6	
7	
8	

Campaign_ID	Campaign_Name	StartDate	EndDate	Budget	Client_ID	Employee_ID
1	Mail_Spam	2025-07-10 00:00:00.000	2025-07-20 00:00:00.000	50.02	1	1
2	Meta_ED_Meds	2025-07-10 00:00:00.000	2025-07-20 00:00:00.000	70000.2	2	2
3	Tiktok_Dance_Ads	2025-07-10 00:00:00.000	2025-07-20 00:00:00.000	20.2	3	3
4	Google_MMA_PPV	2025-07-10 00:00:00.000	2025-07-20 00:00:00.000	40.3	4	4
5	WhatsApp_Nigerian_Prince	2025-07-10 00:00:00.000	2025-07-20 00:00:00.000	0	5	5

SQL-Examples in Action

Test Join:

Average Cost per Click (CPC)

```
1 SELECT
2   ROUND(SUM(p.Amount) * 1.0 / SUM(m.Clicks), 2)
3   AS Avg_Cost_Per_Click
4 FROM
5   Payments p
6 JOIN
7   Metrics m ON p.Campaign_ID = m.Campaign_ID;
8
```

Avg_Cost_Per_Click ▲

0.05

Test Join:

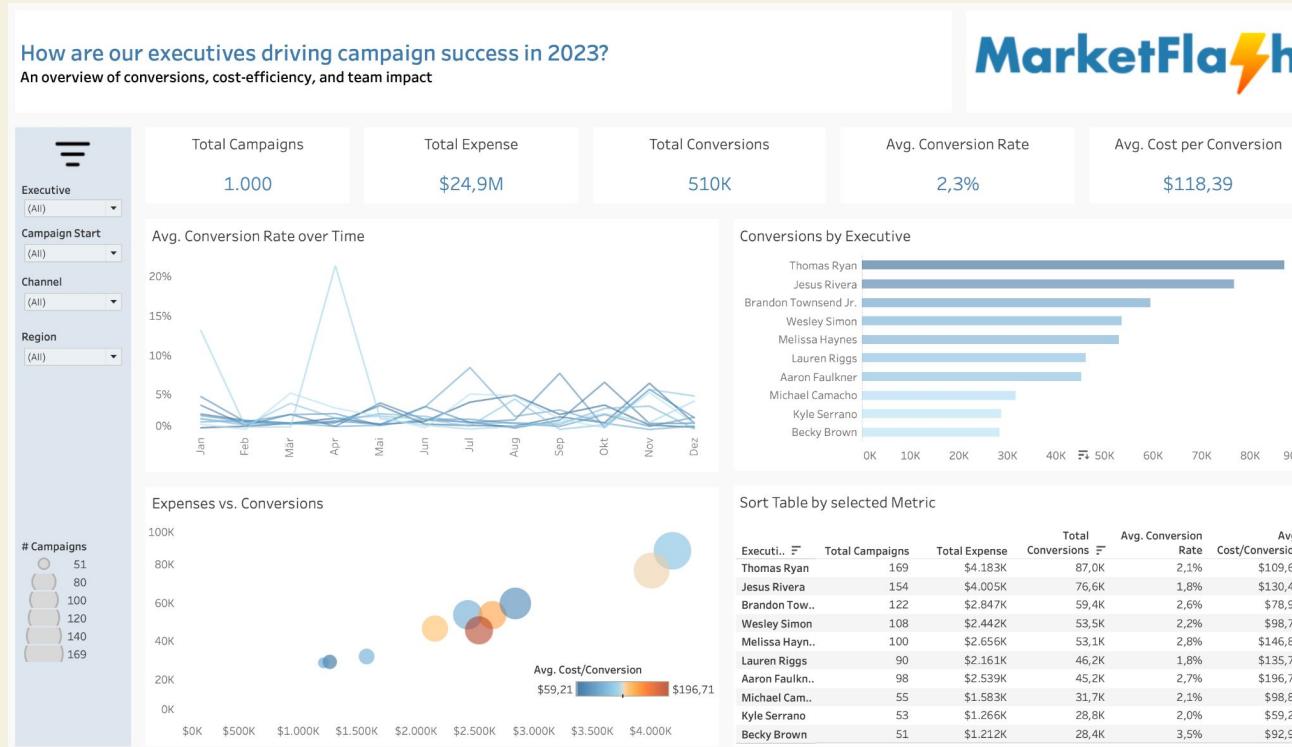
Average Cost per Conversion

```
1 SELECT
2   ROUND(SUM(p.Amount) * 1.0 / SUM(m.Clicks * m.Conversion_Rate / 100.0), 2)
3   AS Avg_Cost_Per_Conversion
4 FROM
5   Payments p
6 JOIN
7   Metrics m ON p.Campaign_ID = m.Campaign_ID;
8
```

Avg_Cost_Per_Conversion ▲

0.53

Tableau-Dashboard: Structure, Logic, Insights



MarketFlash

Tableau-Dashboard: Structure, Logic, Insights

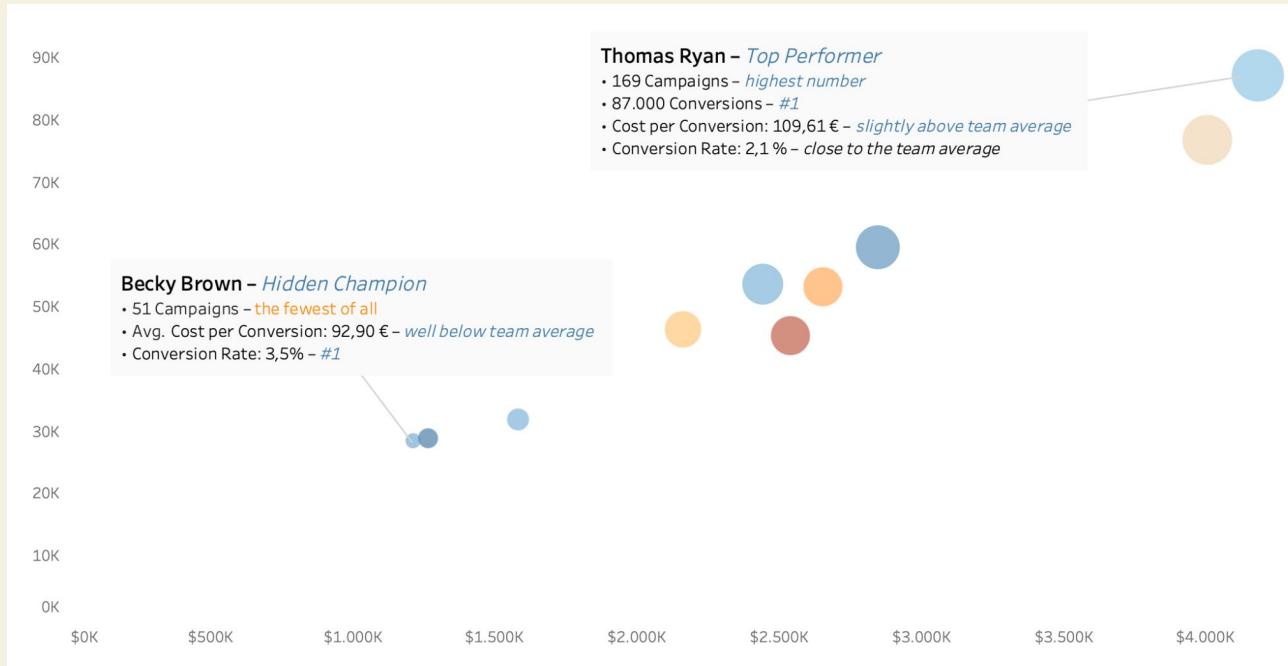
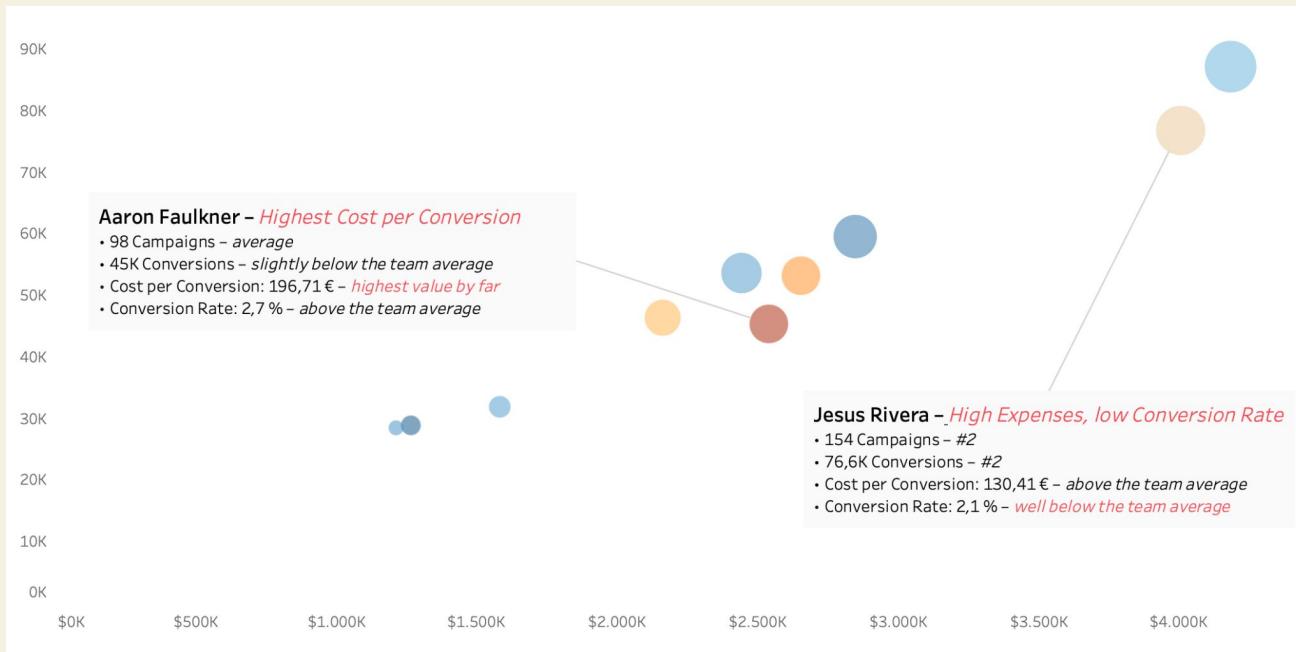


Tableau-Dashboard: Structure, Logic, Insights



Recommendations

1

Expanding best practices

B. Brown, for example, shows that high conversion rates are possible - despite small budgets.

Analysis of content and channel strategies and develop potentials.

3

Targeted coaching

Take targeted measures for executives with a large budget but low efficiency (e.g. Jesus Rivera).

Check coaching, campaign analysis or redistribution.

2

Scale instead of scatter

Focus the budget on the top executives, in particular T. Ryan M. Haynes, B. Townsend.

Scale best practices internally.

4

Keep dynamic monitoring

The dashboard offers you live transparency by month, executive and channel.

Review and develop monthly.

Thank you.



Full Project Documentation on:

github.com/roberto-pera/marketflash-database-design-analytics