Social Media Marketing Dashboard

1.0 Introduction

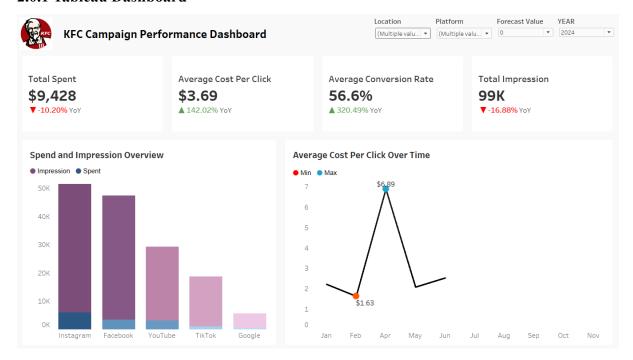
Title: KFC Campaign Performance Dashboard

Purpose: Provide Insights on Marketing campaign by KFC

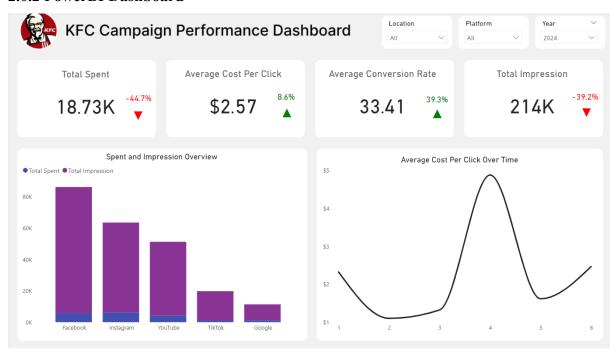
Audience: KFC Managers, Stakeholders

2.0 Dashboard Overview

2.0.1 Tableau Dashboard



2.0.2 PowerBI Dashboard



3.0 Data Sources

Origin: SQL Server with fact and dimension tables

4.0 Data Fields and Calculations

For Tableau and Power BI datafields are same.

Tables Description:

1.0 Fact_camp

- a. Date
- b. Location id
- c. Platform_id
- d. Ads_run
- e. Impressions
- f. Clicks
- g. Conversions
- h. Total_spent
- i. Cost per click

- j. Click_through_rate
- k. Conversion_rate
- 1. Cost_per_conversion

2.0 dim_product

- a) Platform_id
- b) Platform

3.0 dim_location

- a) Location_id
- b) Location

4.0 dim_date

- a) Date
- b) Weekday
- c) Day
- d) Month
- e) Year

4.0.1 Tableau Calculations

1. KPI Total Spent

```
Total Spent
$9,428
▼-10.20% YoY

Positive Spent

IF [%Diff Total Spent] > 0 THEN [%Diff Total Spent] END
```

```
Negative Spent

IF [%Diff Total Spent] < 0 THEN [%Diff Total Spent] END
```

```
PY Total Spent

IF [Year] = [Selected Year] - 1 THEN [Total Spent] END
```

```
%Diff Total Spent

(SUM([CY Total Spent]) - SUM([PY Total Spent ])) /
   SUM([PY Total Spent ])|
```

2. KPI Avg Cost Per Click

```
Average Cost Per Click
$3.69

142.02% YoY
```

```
Avg CY CPC

AVG ([CY CPC])
```

```
CYCPC

IF [Forecast Value] > 0 THEN
    IF [Year] = [Selected Year] THEN
        [Cost Per Click] *
        (1 + [Forecast Value] / 100 *
        {FIXED : CORR([Total Spent], [Cost Per Click])})
    END
ELSE
    IF [Year] = [Selected Year] THEN [Cost Per Click] END
END
```

```
Positive Avg CPC

IF [%Diff Avg CPC] > 0 THEN [%Diff Avg CPC] END
```

```
Negative Avg CPC

IF [%Diff Avg CPC] < 0 THEN [%Diff Avg CPC] END
```

```
PY CPC

IF [Year] = [Selected Year] - 1 THEN [Cost Per Click] END
```

```
%Diff Avg CPC

([Avg CY CPC] - [Avg PY CPC]) / [Avg PY CPC]
```

3. KPI Conversion Rate

```
Average Conversion Rate

56.6%

• 320.49% YoY
```

```
Avg CY Conversion Rate

AVG([CY Conversion Rate])
```

```
CY Conversion Rate

IF [Forecast Value] > 0 THEN
    IF [Year] = [Selected Year] THEN
        [Conversion Rate] *
        (1 + [Forecast Value] / 100 *
        {FIXED : CORR([Total Spent], [Conversion Rate])})
    END

ELSE
    IF [Year] = [Selected Year] THEN [Conversion Rate] END
END
```

```
Positive Conversion Rate

[%Diff Avg Conver. Rate] > 0 THEN [%Diff Avg Conver. Rate] END
```

```
Negative Conversion Rat

IF [%Diff Avg Conver. Rate] < 0 THEN [%Diff Avg Conver. Rate] END
```

```
PY Conversion Rate

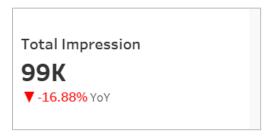
IF [Year] = [Selected Year] - 1 THEN [Conversion Rate] END
```

```
%Diff Avg Conver. Rate

([Avg CY Conversion Rate] - [Avg PY Conversion Rate])

/ [Avg PY Conversion Rate]
```

4. KPI Total Impression



```
CY Impression

IF [Forecast Value] > 0 THEN
    IF [Year] = [Selected Year] THEN
        [Impressions] *
        (1 + [Forecast Value] / 100 *
        {FIXED : CORR([Total Spent], [Impressions])})
    END

ELSE
    IF [Year] = [Selected Year] THEN [Impressions] END
END
```

```
Positive Impression

IF [%Diff Impression] > 0 THEN [%Diff Impression] END
```

```
Negative Impression

IF [%Diff Impression] < 0 THEN [%Diff Impression] END
```

```
PY Impression

IF [Year] = [Selected Year] - 1 THEN [Impressions] END
```

5. Avg CPC Line Chart

```
Min/Max CPC

Results are computed along Table (across).

IF AVG([CY CPC]) = WINDOW_MIN([AVG CY CPC])

THEN [AVG CY CPC]

ELSEIF [AVG CY CPC] = WINDOW_MAX([AVG CY CPC])

THEN [AVG CY CPC]

END
```

4.0.2 Power BI Measures

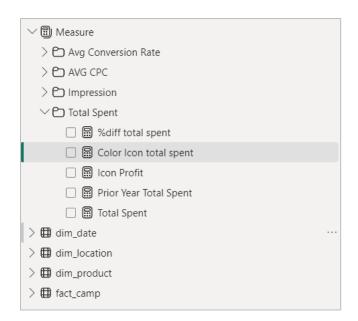
I'm only keeping in docs for one kpi as its too long



```
Total Spent = SUM('fact_camp'[total_spent])
```

```
1 %diff total spent = DIVIDE ('Measure'[Total Spent] - 'Measure'[Prior Year Total Spent], 'Measure'[Prior Year Total Spent], 0)
```

```
1 Color Icon total spent = IF('Measure'[%diff total spent] > 0, "Green",
2 IF('Measure'[%diff total spent] < 0, "Red", "Orange"))</pre>
```

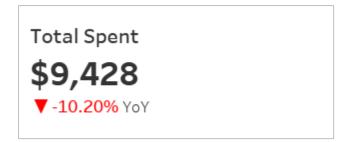


LESSON - NEVER KEEP STORAGE MODE TO MIXED

5.0 SQL Validations

NOTE: In tableau in filters

- a. Location filter (Bhaktapur, Kathmandu is only selected)
- b. Platform Filter (Facebook, Instagram is only selected)
- 1. Total Spent KPI (doesn't include YoY)



```
. .
 1 -- Sp Total Spent
   CREATE OR ALTER PROC spTotalSpent
        @year int = 2024,
        @platforms nvarchar(max) = NULL,
        @locations nvarchar(max) = NULL
8 BEGIN
9
10
        DECLARE @sql nvarchar(max);
        DECLARE @platformsFilter nvarchar(max);
        DECLARE @locationsFilter nvarchar(max);
        -- handle platform is null or not provided
14
       IF @platforms IS NULL OR @platforms = ' '
16
           -- get all platforms if @platforms is null or empty
            SELECT @platformsFilter = STRING_AGG(QUOTENAME(platform, ''''), ',')
18
           FROM dim_product
20
        END
        ELSE
        BEGIN
          SET @platformsFilter = @platforms;
        FND
24
        -- handle locations
        IF @locations IS NULL OR @locations = ' '
28
29
30
           -- get all locations if @locations is null or empty
           SELECT @locationsFilter = STRING_AGG(QUOTENAME(location, ''''), ',')
           FROM dim_location
        FND
34
        ELSE
        BEGIN
36
           SET @locationsFilter = @locations
38
40
        -- base query
41
        SET @sql =
42
43
        select SUM(total_spent) as total_spent
44
        from fact_camp fc
45
        INNER JOIN dim_product dp
        ON dp.platform_id = fc.platform_id
46
47
        INNER JOIN dim_location dl
        ON dl.location_id = fc.location_id
48
49
       WHERE YEAR(date) = @years
            AND dp.platform IN (' + @platformsFilter + ')
50
            AND dl.location IN (' + @locationsFilter + ')
        EXEC sp_executesql @sql, N'@years INT', @years = @year;
54
56 END
    exec spTotalSpent @year = 2024,
                @platforms = '''facebook'', ''instagram''',
                @locations = '''bhaktapur'',''kathmandu''';
60
```

```
total_spent
1 9428.42
```

KPI Total Spent YoY

```
-- KPI Total Spent
CREATE OR ALTER PROC spkPITotalSpent
@year int = 2024,
@platforms nvarchar(max) = NULL,
@locations nvarchar(max) = NULL
                 DECLARE @sql nvarchar(max);
DECLARE @platformsFilter nvarchar(max);
DECLARE @locationsFilter nvarchar(max);
                  -- handle platform is null or not provided IF @platforms IS NULL OR @platforms = ' '
                          -- get all platforms if @platforms is null or empty

SELECT @platformsFilter = STRING_AGG(QUOTENAME(platform, ''''), ',')

FROM dim_product
                           SET @platformsFilter = @platforms;
                  END
                       handle locations
                  IF @locations IS NULL OR @locations = ' '
BEGIN
                          -- get all locations if @locations is null or empty

SELECT @locationsFilter = STRING_AGG(QUOTENAME(location, '''), ',')

FROM dim_location
                 SET @locationsFilter = @locations
END
                  -- base query
SET @sql = '
                           WITH cy_total_spent_cte
                                            SUM(f.total_spent) as cy_total_spent
                                  SUM(f.total_spent) as cy_total_spent
FROM fact_camp f
INNER 70IN dim_product dp
ON f.platform_id = dp.platform_id
INNER 70IN dlm_location dl
ON f.location_id = dl.location_id
WHERE YEAR(date) = @years
AND dp.platform IN (' + @platformsFilter + ')
AND dl.location IN (' + @locationsFilter + ')
                           py_total_spent_cte
                                  SUM(total_spent) as py_total_spent
FROM fact_camp f
FROM fort od time_product dp
ON f.platform_id = dp.platform_id
INNER JOIN dim_location d1
ON f.location_id = dl.location_id
WHERE YEAR(date) = @years - 1
AND dp.platform IN (' + @platformsFilter + ')
AND dl.location IN (' + @locationsFilter + ')
                                            SUM(total_spent) as py_total_spent
                           ((cy_total_spent - py_total_spent) / py_total_spent)*100 as yoy_spent
FROM cy_total_spent_cte,py_total_spent_cte
                  EXEC sp executesal @sql, N'@years INT', @years = @year;
81 exec spKPITotalSpent @year = 2024,

82 @platforms = '''facebook'',''instagram''',

83 @locations = '''bhaktapur'',''kathmandu''';
```

1

2. KPI Average Cost Per Click

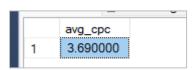
Average Cost Per Click

\$3.69

▲ 142.02% YoY

```
. . .
   -- SP Average Cost Per Click
    CREATE OR ALTER PROC spAvgCostPerClick
        @year int = 2024,
         @platforms nvarchar(max) = NULL,
         @locations nvarchar(max) = NULL
    BEGIN
        DECLARE @sql nvarchar(max);
        DECLARE @platformsFilter nvarchar(max);
        DECLARE @locationsFilter nvarchar(max);
         -- handle platform is null or not provided
        IF @platforms IS NULL OR @platforms = '
             -- get all platforms if @platforms is null or empty

SELECT @platformsFilter = STRING_AGG(QUOTENAME(platform, ''''), ',')
            FROM dim_product
        ELSE
        BEGIN
            SET @platformsFilter = @platforms;
24
         -- handle locations
         IF @locations IS NULL OR @locations = ' '
28
        BEGIN
             -- get all locations if @locations is null or empty
             SELECT @locationsFilter = STRING_AGG(QUOTENAME(location, ''''), ',')
             FROM dim location
34
        ELSE
        SET @locationsFilter = @locations
36
         -- base query
40
        SET @sql =
42
43
        SELECT ROUND(AVG(cost_per_click),2) as avg_cpc
45
         from fact_camp fc
46
        INNER JOIN dim_product dp
47
        ON dp.platform_id = fc.platform_id
        INNER JOIN dim_location dl
48
49
        ON dl.location id = fc.location id
        WHERE YEAR(date) = @years
AND dp.platform IN (' + @platformsFilter + ')
50
             AND dl.location IN (' + @locationsFilter + ')
54
        EXEC sp_executesql @sql, N'@years INT', @years = @year;
56
57 END
59 exec spAvgCostPerClick @year = 2024,
                 @platforms = '''facebook'',''instagram''',
@locations = '''bhaktapur'',''kathmandu''';
```



Avg Cost Per Click YoY

```
-- KPI Average Cost Per Click

CREATE OR ALTER PROC spKPIAvgCostPerClick

@year int = 2024,

@platforms nvarchar(max) = NULL,

@locations nvarchar(max) = NULL
                                DECLARE @sql nvarchar(max);
DECLARE @platformsFilter nvarchar(max);
                                 DECLARE @locationsFilter nvarchar(max);
                                -- handle platform is null or not provided

IF @platforms IS NULL OR @platforms = ' '
BEGIN
                                                -- get all platforms if @platforms is null or empty

SELECT @platformsFilter = STRING_AGG(QUOTENAME(platform, ''''), ',')

FROM dim_product
                                SET @platformsFilter = @platforms;
END
                                    -- handle locations
                                  IF @locations IS NULL OR @locations = ' '
                                                -- get all locations if @locations is null or empty

SELECT @locationsFilter = STRING_AGG(QUOTENAME(location, ''''), ',')

FROM dim_location
                                 BEGIN
                                                  SET @locationsFilter = @locations
                                -- base query
SET @sql = '
                                                  WITH cy_cpc_cte
                                                                  avg(cost_per_click) as cy_cpc
FROM fact_camp f
INNER JOIN dim_product dp
                                                             ON f.platform_id = dp.platform_id
INNER JOIN dim_location dl
                                                                 NHEAD SIGN UIII DESCRIPTION OF STATE OF
                                                  py_cpc_cte
                                                                 SELECT
                                                                 avg(cost_per_click) as py_cpc
FROM fact_camp f
INNER JOIN dim_product dp
ON f.platform_id = dp.platform_id
INNER JOIN dim_location dl
                                                                 WHERE YEAR(date) = @years - 1

AND dp.platform IN (' + @platformsFilter + ')

AND dl.location IN (' + @locationsFilter + ')
                                                ((cy_cpc - py_cpc) / py_cpc)*100 as yoy_spent FROM cy_cpc_cte,py_cpc_cte
                                EXEC sp executesql @sql, N'@years INT', @years = @year;
22 exec spKPIAvgCostPerClick @year = 2024,

83 @platforms = '''facebook'',''instagram''',

84 @locations = '''bhaktapur'',''kathmandu''';
```

yoy_spent 1 142.016600

3. KPI Average Conversion Rate

Average Conversion Rate

56.6%

▲ 320.49% YoY

```
. . .
    -- SP Average Conversion Rate
    CREATE OR ALTER PROC spAvgConversionRate
         @vear int = 2024.
         @platforms nvarchar(max) = NULL,
         @locations nvarchar(max) = NULL
    BEGIN
        DECLARE @sql nvarchar(max);
10
        DECLARE @platformsFilter nvarchar(max);
        DECLARE @locationsFilter nvarchar(max);
         -- handle platform is null or not provided
        IF @platforms IS NULL OR @platforms = '
              -- get all platforms if @platforms is null or empty
             SELECT @platformsFilter = STRING_AGG(QUOTENAME(platform, ''''), ',')
18
            FROM dim_product
19
20
         ELSE
        BEGIN
            SET @platformsFilter = @platforms;
        END
         -- handle locations
        IF @locations IS NULL OR @locations = ' '
             -- get all locations if @locations is null or empty
             SELECT @locationsFilter = STRING_AGG(QUOTENAME(location, ''''), ',')
            FROM dim_location
        ELSE
34
            SET @locationsFilter = @locations
36
38
39
         -- base query
40
        SET @sql =
41
42
         SELECT ROUND(AVG(conversion_rate),0) as conversion_rate
43
         FROM fact_camp fc
44
         INNER JOIN dim_product dp
45
        ON dp.platform_id = fc.platform_id
46
        INNER JOIN dim_location dl
47
        ON dl.location_id = fc.location_id
48
        WHERE YEAR(date) = @years
             AND dp.platform IN (' + @platformsFilter + ')
AND dl.location IN (' + @locationsFilter + ')
49
        EXEC sp_executesql @sql, N'@years INT', @years = @year;
55 END
    exec spAvgConversionRate @year = 2024,
     @platforms = '''facebook'',''instagram''',
     @locations = '''bhaktapur'',''kathmandu''';
60
```

```
conversion_rate
1 57.000000
```

KPI Conversion Rate YoY

```
CREATE OR ALTER PROC spKPIConversionRate
    @year int = 2024,
    @platforms nvarchar(max) = NULL,
                @locations nvarchar(max) = NULL
      REGIN
              DECLARE @sql nvarchar(max);
DECLARE @platformsFilter nvarchar(max);
DECLARE @locationsFilter nvarchar(max);
               -- handle platform is null or not provided IF @platforms IS NULL OR @platforms = ' ' \,
                       -- get all platforms if @platforms is null or empty
SELECT @platformsFilter = STRING_AGG(QUOTENAME(platform, '''), ',')
                      FROM dim_product
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
               ELSE
                      SET @platformsFilter = @platforms;
                -- handle locations
               IF @locations IS NULL OR @locations = ' '
                       --- get all locations if @locations is null or empty
SELECT @locationsFilter = STRING_AGG(QUOTENAME(location, ''''), ',')
                      FROM dim_location
               FLSE
                      SET @locationsFilter = @locations
               END
                  - base query
               SET @sql = '
                      WITH cy_avg_conv_rate_cte
                              SELECT
                              avg(conversion_rate) as cy_conv_rate
FROM fact_camp f
INNER JOIN dim_product dp
                             INNER JOIN dim_product dp
ON f.platform_id = dp.platform_id
INNER JOIN dim_location dl
ON f.location_id = dl.location_id
WHERE YEAR(date) = @years
AND dp.platform IN (' + @platformsFilter + ')
AND dl.location IN (' + @locationsFilter + ')
                      py_avg_conv_rate_cte
                              SELECT
                              avg(conversion_rate) as py_conv_rate
FROM fact_camp f
INNER JOIN dim_product dp
                             ON f.platform_id = dp.platform_id
                              INNER JOIN dim_location dl
                             INNER JOIN dim_location d1
ON f.location_id = dl.location_id
WHERE YEAR(date) = @years - 1
AND dp.platform IN (' + @platformsFilter + ')
AND dl.location IN (' + @locationsFilter + ')
                      ((cy_conv_rate - py_conv_rate) / py_conv_rate)*100 as yoy_spent
FROM cy_avg_conv_rate_cte,py_avg_conv_rate_cte
               EXEC sp_executesql @sql, N'@years INT', @years = @year;
79 END
exec spKPIConversionRate @year = 2024,

@platforms = '''facebook'',''instagram''',

@locations = '''bhaktapur'',''kathmandu''';
```

```
yoy_spent
1 320.488500
```

4. KPI Total Impression

```
Total Impression

99K
▼-16.88% YoY
```

```
. . .
     -- SP Total Impressions
    CREATE OR ALTER PROC spTotalImpression
         @year int = 2024,
         @platforms nvarchar(max) = NULL,
         @locations nvarchar(max) = NULL
    BEGIN
         DECLARE @sql nvarchar(max);
         DECLARE @platformsFilter nvarchar(max);
         DECLARE @locationsFilter nvarchar(max);
         -- handle platform is null or not provided
         IF @platforms IS NULL OR @platforms = '
             -- get all platforms if @platforms is null or empty
             SELECT @platformsFilter = STRING_AGG(QUOTENAME(platform, ''''), ',')
            FROM dim_product
        END
        ELSE
        BEGIN
            SET @platformsFilter = @platforms;
         -- handle locations
         IF @locations IS NULL OR @locations = ' '
             -- get all locations if @locations is null or empty
SELECT @locationsFilter = STRING_AGG(QUOTENAME(location, ''''), ',')
             FROM dim_location
         ELSE
34
         BEGIN
             SET @locationsFilter = @locations
         END
38
39
         -- base query
        SET @sql =
41
        SELECT SUM(impressions) as total_impression
42
43
         FROM fact camp fc
        INNER JOIN dim_product dp
45
         ON dp.platform_id = fc.platform_id
        INNER JOIN dim_location dl
47
         ON dl.location_id = fc.location_id
       WHERE YEAR(date) = @years

AND dp.platform IN (' + @platformsFilter + ')

AND dl.location IN (' + @locationsFilter + ')
49
         EXEC sp_executesql @sql, N'@years INT', @years = @year;
54
55 END
    exec spTotalImpression @year = 2024,
                  @platforms = '''facebook'',''instagram''',
@locations = '''bhaktapur'',''kathmandu''';
```

```
total_impression
1 98825
```

KPI impression YoY

```
-- KPI Total Impression YoY
     {\color{blue} \textbf{CREATE OR ALTER PROCEDURE spKPIT} \textbf{otalImpression} }
          @year int = 2024,
          @platforms nvarchar(max) = NULL,
          @locations nvarchar(max) = NULL
     BEGIN
          DECLARE @sql nvarchar(max);
          DECLARE @platformsFilter nvarchar(max);
          DECLARE @locationsFilter nvarchar(max);
          -- handle platform is null or not provided IF @platforms IS NULL OR @platforms = ' '
               -- get all platforms if @platforms is null or empty

SELECT @platformsFilter = STRING_AGG(QUOTENAME(platform, '''), ',')
18
               FROM dim_product
          ELSE
          BEGIN
              SET @platformsFilter = @platforms;
          END
          -- handle locations
          IF @locations IS NULL OR @locations = ' '
               -- get all locations if @locations is null or empty
SELECT @locationsFilter = STRING_AGG(QUOTENAME(location, ''''), ',')
30
              FROM dim_location
          ELSE
          BEGIN
              SET @locationsFilter = @locations
36
37
38
39
          -- base query
          SET @sql =
40
               WITH cy_total_impression_cte AS (
41
                   SELECT
                        SUM(CAST(impressions AS DECIMAL(10,2))) AS cv impression
42
                    FROM fact_camp f
44
                    INNER JOIN dim_product dp ON f.platform_id = dp.platform_id
                    INNER JOIN dim_location dl ON f.location_id = dl.location_id
46
                    WHERE YEAR(date) = @year
                        AND dp.platform IN (' + @platformsFilter + ')
AND dl.location IN (' + @locationsFilter + ')
48
49
              py_total_impression_cte AS (
                   SELECT
                        SUM(CAST(impressions AS DECIMAL(10,2))) AS py_impression
                    FROM fact_camp f
                    INNER JOIN dim_product dp ON f.platform_id = dp.platform_id
                    INNER JOIN dim_location dl ON f.location_id = dl.location_id
                   WHERE YEAR(date) = @year - 1

AND dp.platform IN (' + @platformsFilter + ')

AND dl.location IN (' + @locationsFilter + ')
                   ((CAST(cy_impression AS DECIMAL(10,2)) - py_impression) / NULLIF(py_impression, 0))*100 AS yoy_spent
               {\tt FROM} \ {\tt cy\_total\_impression\_cte}
              CROSS JOIN py_total_impression_cte
66
67
          EXEC sp_executesql @sql, N'@year INT', @year = @year;
68 END
     exec spKPITotalImpression @year = 2024,
                    @platforms = '''facebook'',''instagram''',
@locations = '''bhaktapur'',''kathmandu''';
```

yoy_sp	ent
1 -16.87	8300
-16.87	3300

Line Chart avg cpc over month of particular selected year



```
\bullet \bullet \bullet
        -- SP Average Cost Per Click Over Time
CREATE OR ALTER PROC spAvgCostPerClickByMonth
@year int = 2024,
@platforms nvarchar(max) = NULL,
@locations nvarchar(max) = NULL
  5 @10
6 AS
7 BEGIN
                  DECLARE @sql nvarchar(max);
DECLARE @platformsFilter nvarchar(max);
DECLARE @locationsFilter nvarchar(max);
                  -- handle platform is null or not provided
IF @platforms IS NULL OR @platforms = ' '
BEGIN
                            -- get all platforms if @platforms is null or empty

SELECT @platformsFilter = STRING_AGG(QUOTENAME(platform, ''''), ',')
                            FROM dim_product
                  FROM dim_product
END
ELSE
BEGIN
SET @platformsFilter = @platforms;
END
                   -- handle locations
IF @locations IS NULL OR @locations = ' '
BEGIN
                             -- get all locations if @locations is null or empty

SELECT @locationsFilter = STRING_AGG(QUOTENAME(location, ''''), ',')
                           FROM dim_location
                  END

ELSE

BEGIN

SET @locationsFilter = @locations
END
                   -- base query
SET @sql = '
                       SELECT

MONTH(date) as month,

AVG(cost_per_click) as avg_cpc

FROM fact_camp f

INNER JOIN dim_product dp

ON f.platform_id = dp.platform_id

INNER JOIN dim_location dl

ON f.location_id = dl.location_id

WHERE YEAR(date) = @years

AND dp.platform IN (' + @platformsFilter + ')

AND dl.location IN (' + @locationsFilter + ')

GROUP BY MONTH(date)
                   EXEC sp_executesql @sql, N'@years INT', @years = @year;
60 exec spAvgCostPerClickByMonth @year = 2024,
62 @platforms = '''facebook'',''instagram''',
63 @locations = '''bhaktapur'',''kathmandu''';
64
```

	month	avg_cpc
1	1	2.220000
2	2	1.630000
3	4	6.885000
4	5	2.082000
5	6	2.530000