Group 1 Project Summary
Designing and Implementing a Data Warehouse

Team Members
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Who we are

Soccer-Maniacs .

We design customize data warehouses to support strategic objectives of Soccer Clubs.

●Our Mission

To help soccer clubs understand the balance between increasing revenue and maintaining fan loyalty.

Project Scope:

Our business objective is to analyse fan loyalty within soccer operations.

To analyze fan loyalty we are considering major events in a match such as Goals, Shots on Target , Fouls and passes.
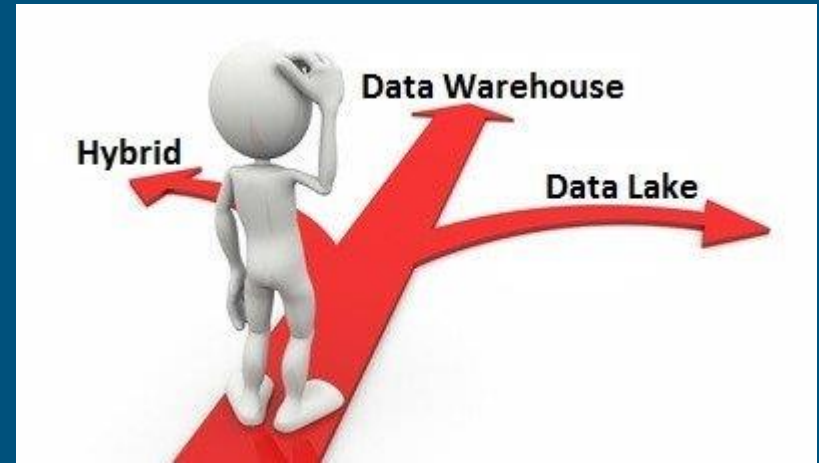
Requirements:

To achieve our objective we had
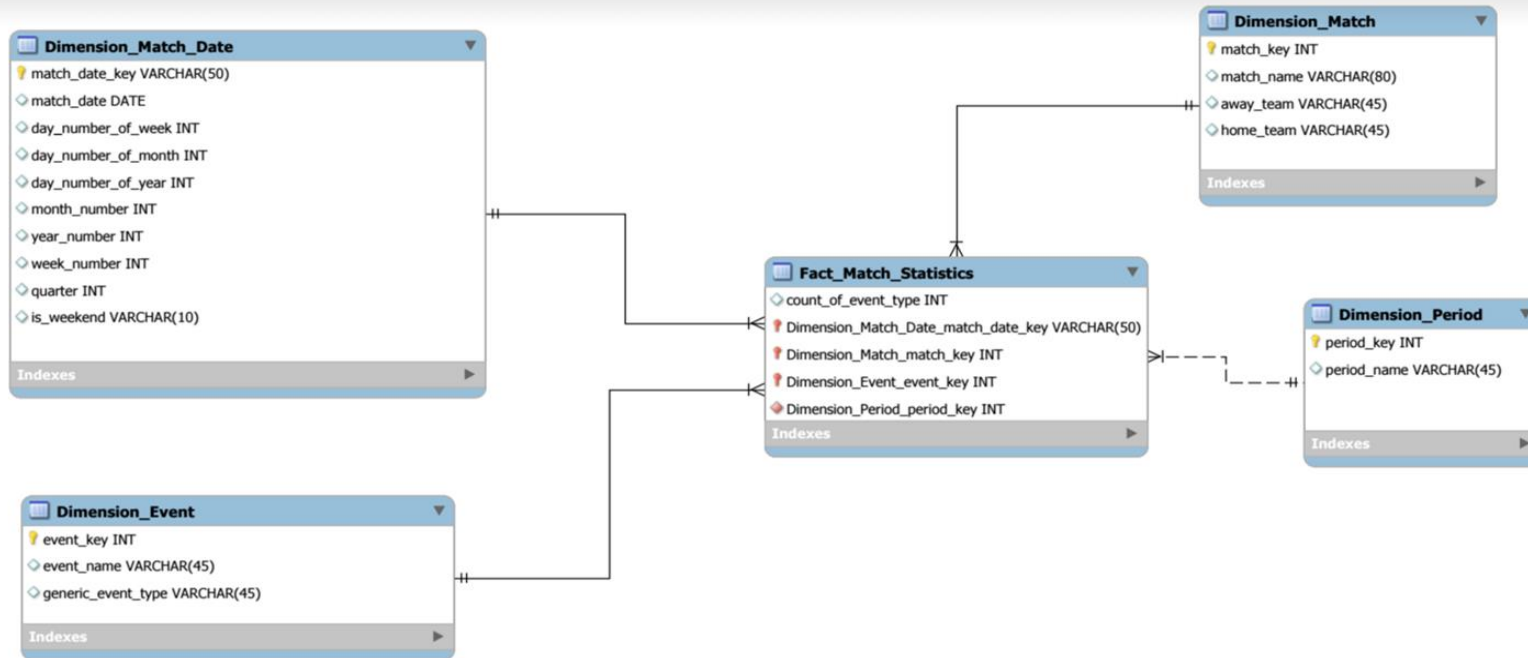
access to Event file and Location files.

Event file consisted of match events

Location file consisted details of player location for a particular event.

We have blended both the files to consider the design for our dimensional model.

Logical Dimensional Model

Data Integration

Design/Transformation tools used

Sort Values

Unique Values

Match date calculator

Weekend calculator

Value Mapper

Add sequence

Database Join

Current Reports

Power BI

To support our analysis we created reports using Microsoft Power BI.

Overall we created the following reports:

A. One Match stats Analysis Report
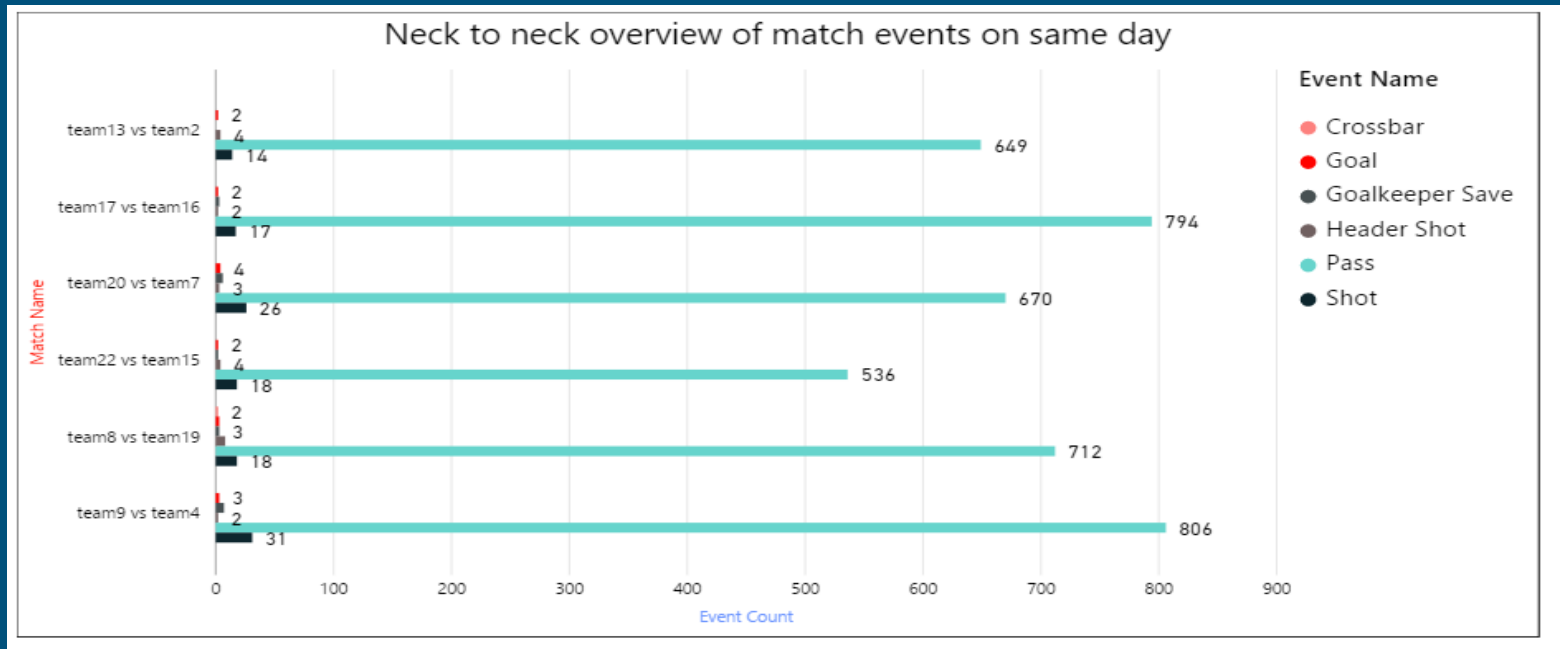
B. Two Drill-down Reports

Match Statistic Report

This report analyses Match stats between Team 15 vs Team 17 based on major events occurred during the match.

Match Statistics

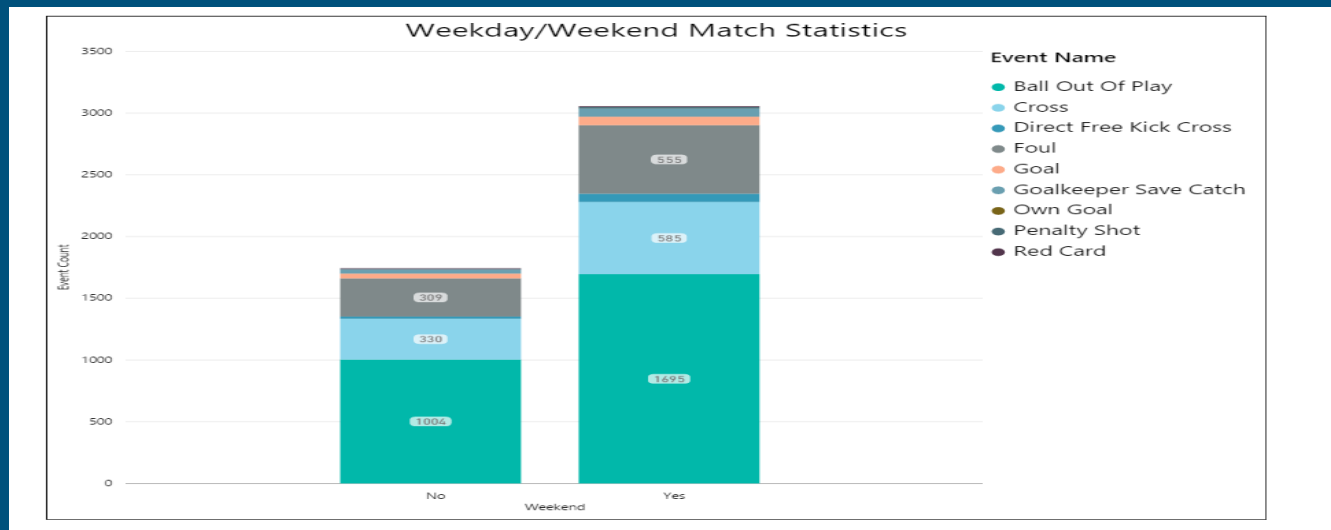| Match Date	Match Name	Event Name	Period N...	Event Count
10/18/2014	team17 vs team15	Foul	First Half	19
10/18/2014	team17 vs team15	Goal	First Half	2
10/18/2014	team17 vs team15	Goalkeeper Save	First Half	5
10/18/2014	team17 vs team15	Goalkeeper Save Catch	First Half	3
10/18/2014	team17 vs team15	Header	First Half	96
10/18/2014	team17 vs team15	Header Shot	First Half	4
10/18/2014	team17 vs team15	Pass	First Half	780
10/18/2014	team17 vs team15	Shot	First Half	26
Total				**935**

Drill down Report

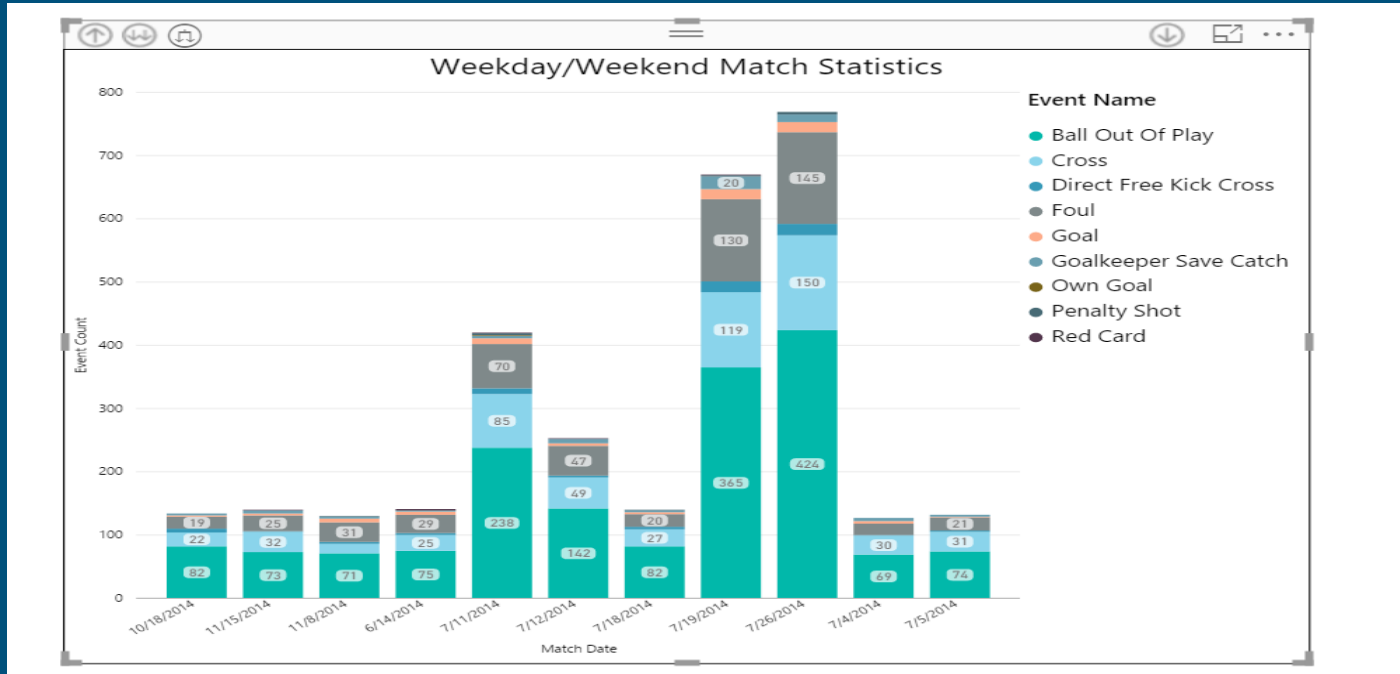Neck to neck overview of events of multiple matches held on same date.
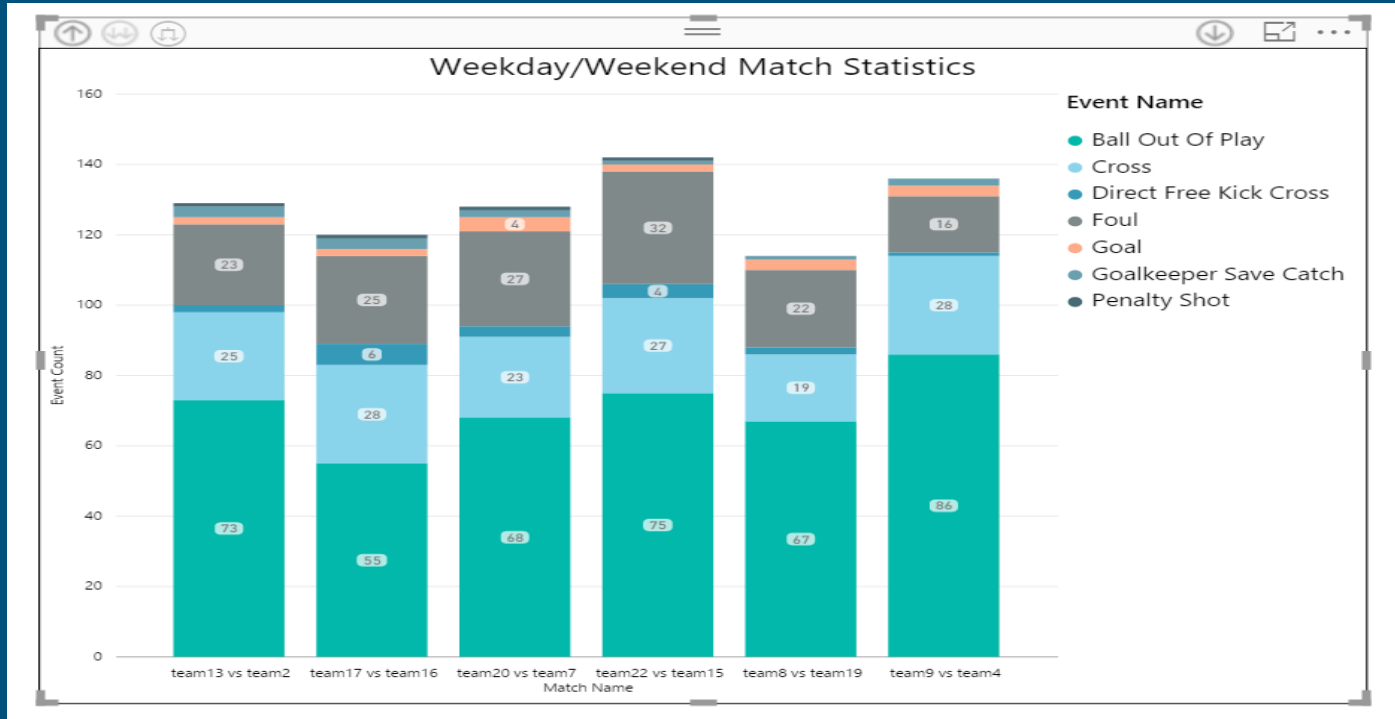
Weekday/Weekend Match Statistics

Our data warehouse is capable of building drill-down reports Weekend-weekday match statistics analysis per day per match.

Level 2 Weekday/Weekend Drill down Report

Level 3 Weekday/Weekend Drill down Report

Future Scope on Model and Reports.

Model: To include Aggregated Fact and Dimensional table.

Report: Individual team statistics per match. This would help to understand

a) Style of play (Aggressive or Defensive).

b) How close the match was.

Thank You

Any Questions??

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