



FOOTBALL ANALYSIS

A hand-drawn diagram on a transparent surface, possibly a glass pane. The diagram is divided into two main sections by a vertical line. On the left side, there is a large 'X' in the top left corner and a smaller 'X' inside a square box in the bottom left. A hand is visible, with fingers pointing towards the diagram. On the right side, there is a large circle containing several small circles and dots. Arrows point from these elements towards the bottom right. The overall style is that of a hand-drawn sketch or a whiteboard diagram.

OUTLINE

1.Executive Summary

2.Introduction

3.Methodology

4.Result

4.1.Charts

4.2.Dashboard

5.Conclusion

1.EXECUTIVE SUMMARY

Overview of football history
from 1872-2021 (national
team competitions, matches
and goals)





2.INTRODUCTION

- Specify total matches, total goals, goals per match rate.
- Percentage win, draw and lose between home teams and away teams.
- The difference between football in the past and football nowadays.

3.METHDOLOGY

- Data Collection
 - + Collecting Data from Kaggle
- Data Wrangling
 - + Combine column using Concat (SQL)
 - + Return values with specified conditions using Case statement (SQL)
- Exploratory Data Analysis
 - + Analyze, explore data (using View)

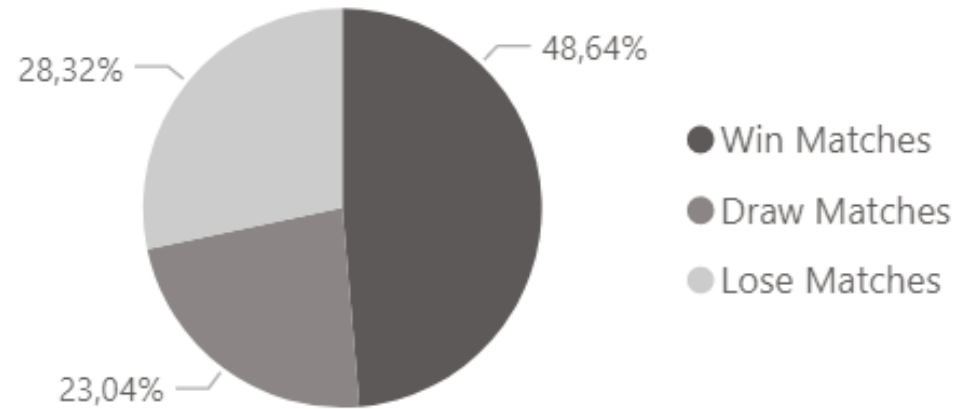


4.RESULT

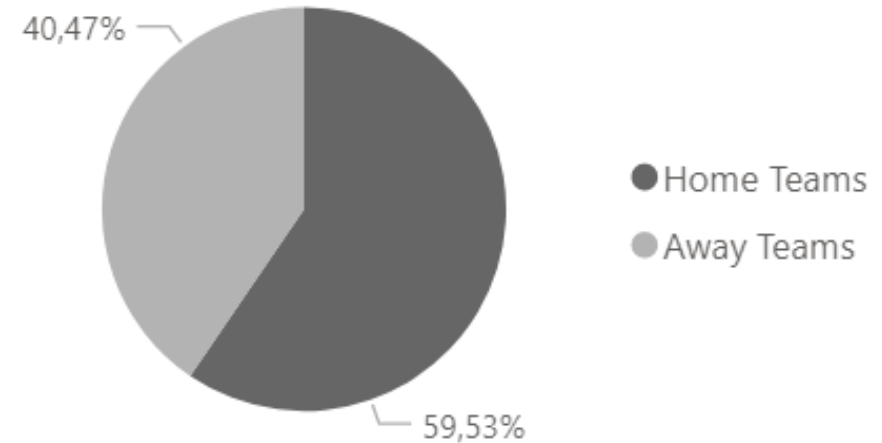
	date	Match	home_team	away_team	Score	home_score	away_score	GoalDifference	HomeTeamsResult	AwayTeamsResult	tournament	city	co	^
1	11/04/2001	Australia-American Samoa	Australia	American Samoa	31-0	31	0	31	Win	Lose	FIFA World Cup qualification	Coffs Harbour	Au	
2	13/09/1971	Tahiti-Cook Islands	Tahiti	Cook Islands	30-0	30	0	30	Win	Lose	South Pacific Games	Papeete	Fr	
3	30/08/1979	Fiji-Kiribati	Fiji	Kiribati	24-0	24	0	24	Win	Lose	South Pacific Games	Naucorid	Fij	
4	09/04/2001	Australia-Tonga	Australia	Tonga	22-0	22	0	22	Win	Lose	FIFA World Cup qualification	Coffs Harbour	Au	
5	11/03/2005	Guam-North Korea	Guam	North Korea	0-21	0	21	21	Lose	Win	EAFF Championship	Taipei	Ta	
6	01/06/2014	Darfur-Padania	Darfur	Padania	0-20	0	20	20	Lose	Win	CONIFA World Football Cup	Ostersund	Sw	
7	15/12/1987	American Samoa-Papua New Guinea	American Samoa	Papua New Guinea	0-20	0	20	20	Lose	Win	South Pacific Games	Numara	Ne	
8	30/06/2003	Sark-Isle of Wight	Sark	Isle of Wight	0-20	0	20	20	Lose	Win	Island Games	St. Martin	Gu	
9	24/11/2006	Sampi-Monaco	Sampi	Monaco	21-1	21	1	20	Win	Lose	Viva World Cup	Hyerer	Fr	
10	14/02/2000	Kuwait-Bhutan	Kuwait	Bhutan	20-0	20	0	20	Win	Lose	AFC Asian Cup qualification	Kuwait City	Ku	
11	26/01/2000	China PR-Guam	China PR	Guam	19-0	19	0	19	Win	Lose	AFC Asian Cup qualification	Hanoi	Vi	
12	22/08/1983	Niue-Papua New Guinea	Niue	Papua New Guinea	0-19	0	19	19	Lose	Win	South Pacific Games	Apia	W	
13	24/11/2000	Iran-Guam	Iran	Guam	19-0	19	0	19	Win	Lose	FIFA World Cup qualification	Tabriz	Ira	
14	29/06/2003	Gibraltar-Sark	Gibraltar	Sark	19-0	19	0	19	Win	Lose	Island Games	St. Martin	Gu	
15	02/06/2014	Darfur-South Ossetia	Darfur	South Ossetia	0-19	0	19	19	Lose	Win	CONIFA World Football Cup	Ostersund	Sw	
16	15/09/1991	Guam-New Caledonia	Guam	New Caledonia	0-18	0	18	18	Lose	Win	South Pacific Games	Lea	Pa	^
														>

4.1.CHARTS

Percentage Win, Draw, Lose Matches by Home Teams



Number of goals

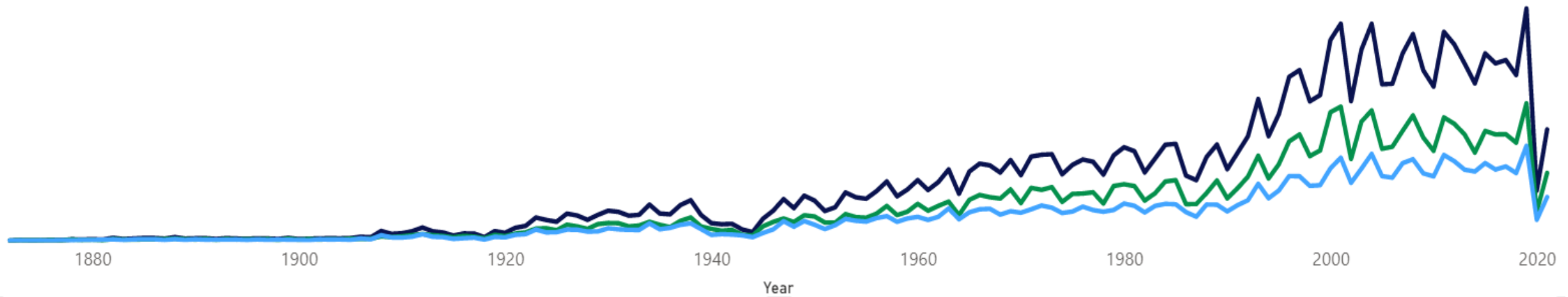


- Through **42483** matches from 1872 to 2021, home team winning percentage is 48,64%. There are **59,53%** goals from home teams and **40,47%** goals from away teams.
- It means that teams with home field advantage often **play better** and **score more goals**.

4.1.CHARTS

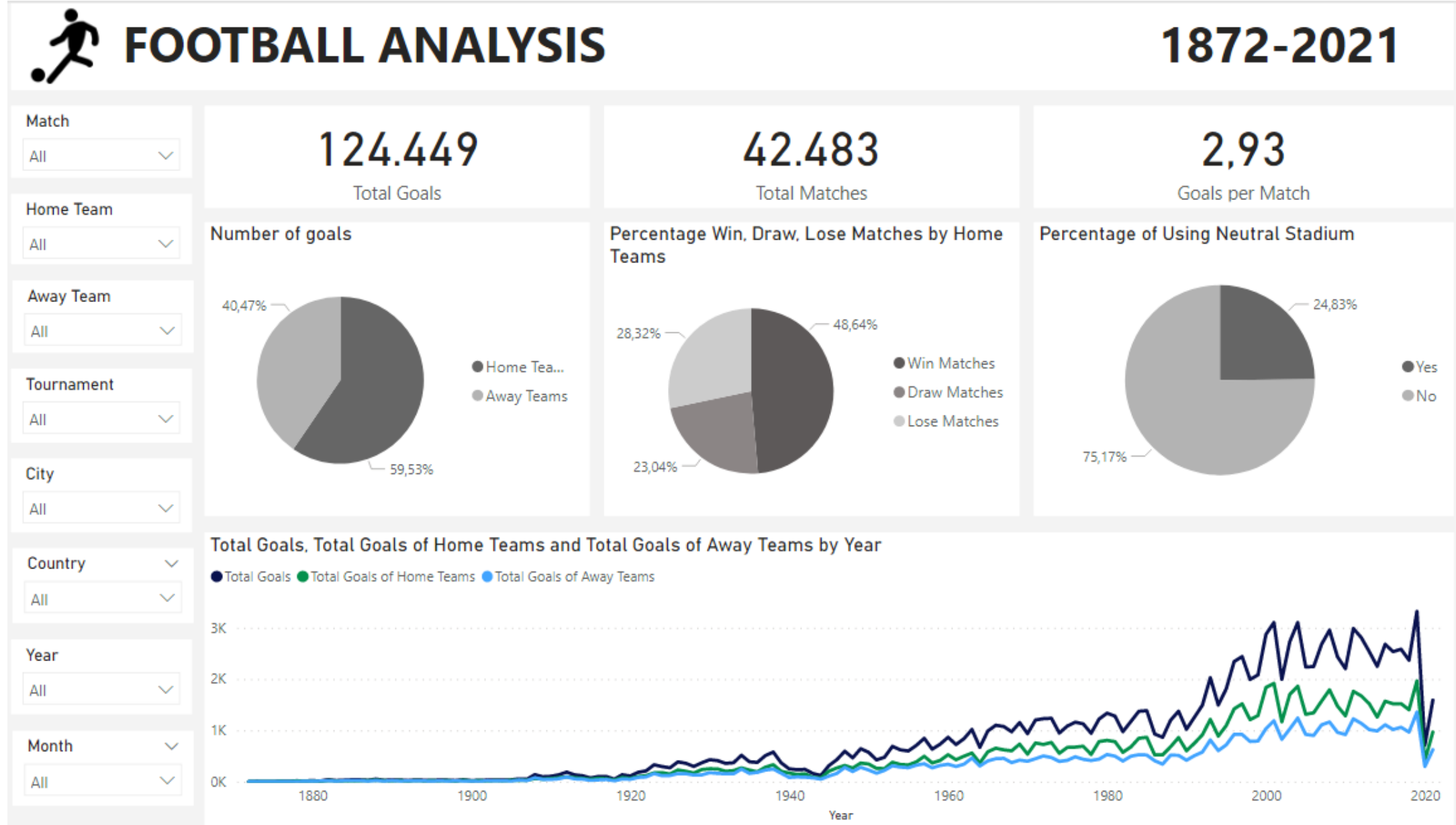
Total Goals, Total Goals of Home Teams and Total Goals of Away Teams by Year

● Total Goals ● Total Goals of Home Teams ● Total Goals of Away Teams



- From 1872 to 2021, the total number of goals scored increased year by year. Home teams scored more goals than away teams. It shows that the matches in the past were often tight instead of as many goals as now.
- Since 2020, because of Covid-19, the total number of goals decreased suddenly. Many competitions, matches were canceled. The players had to play with high intensity in order to finish the competition on time. It increased injury rates, declined their physical strength and scored less goals

4.2.DASHBOARD



5.APPENDIX

Data link from Kaggle

<https://www.kaggle.com/martj42/international-football-results-from-1872-to-2017>