



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 arrows. A long arrow points from the top right towards the bottom right. Another arrow points from the circle towards the bottom left. There are also several small circles scattered around the main elements.

OUTLINE

1.Executive Summary

2.Introduction

3.Methodology

4.Result

4.1.Charts

4.2.Dashboard

5.Conclusion

1.EXECUTIVE SUMMARY

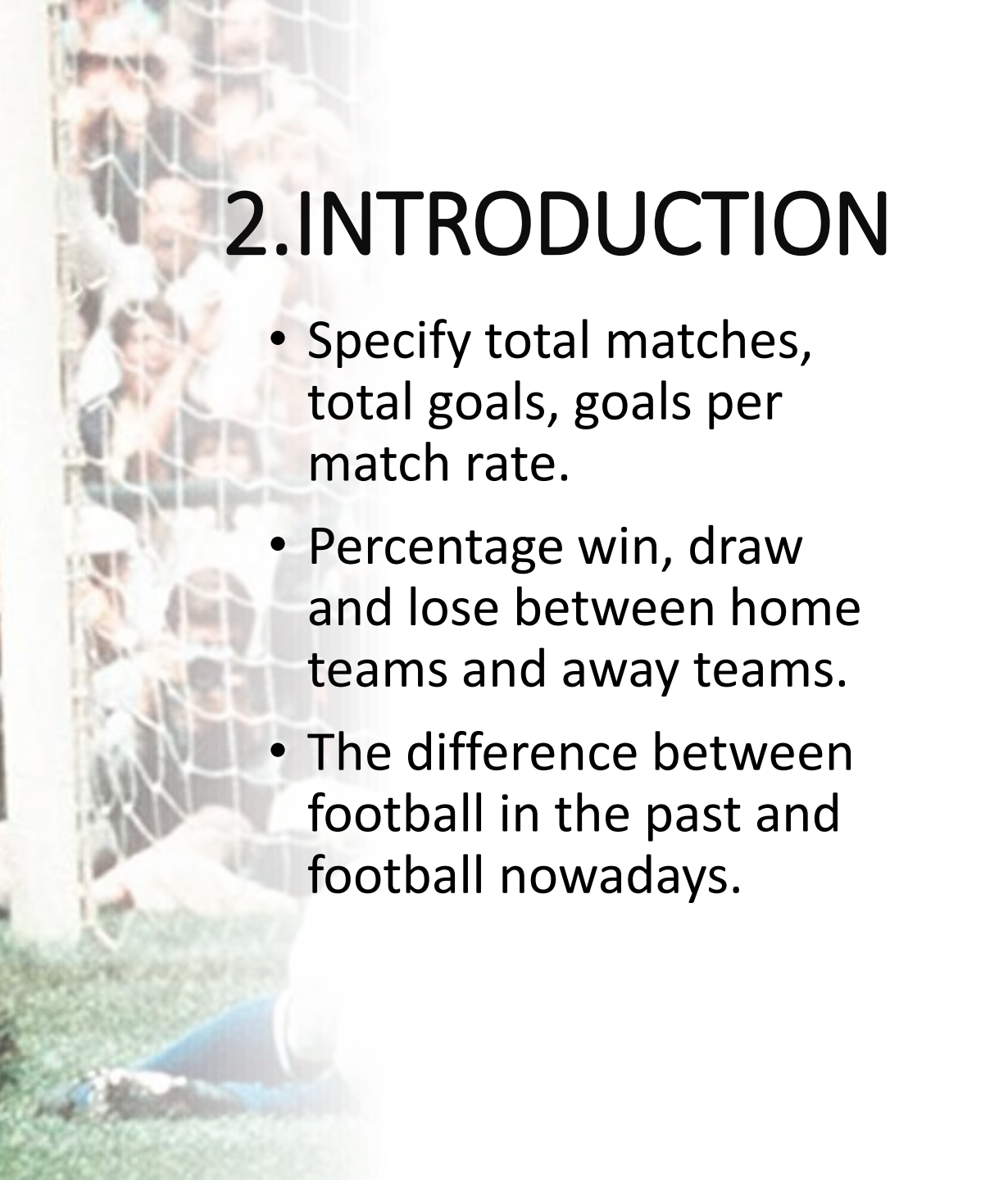
Overview of football history
from 1872-2021 (national
team competitions, matches
and goals)





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)

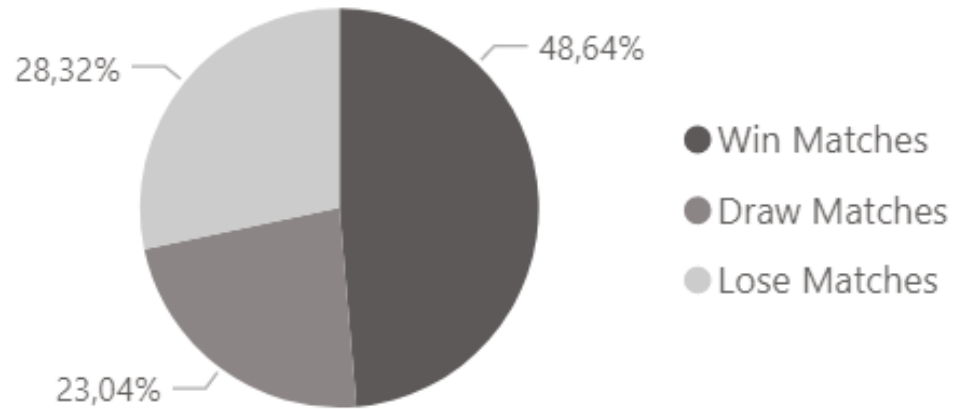


4.RESULT

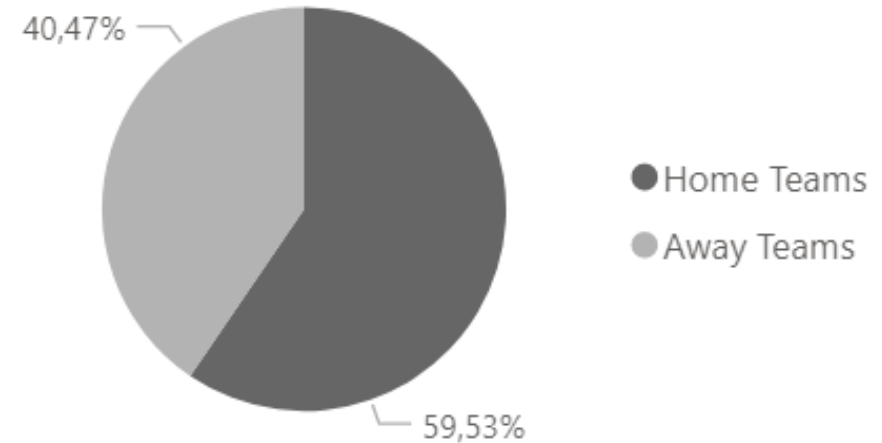
date	Match	home_team	away_team	Score	home_score	away_score	GoalDifference	HomeTeamsResult	AwayTeamsResult	tournament	city	country	NeutralStadium
1872-11-30	Scotland-England	Scotland	England	0-0	0	0	0	Draw	Draw	Friendly	Glasgow	Scotland	No
1873-03-08	England-Scotland	England	Scotland	4-2	4	2	2	Win	Lose	Friendly	London	England	No
1874-03-07	Scotland-England	Scotland	England	2-1	2	1	1	Win	Lose	Friendly	Glasgow	Scotland	No
1875-03-06	England-Scotland	England	Scotland	2-2	2	2	0	Draw	Draw	Friendly	London	England	No
1876-03-04	Scotland-England	Scotland	England	3-0	3	0	3	Win	Lose	Friendly	Glasgow	Scotland	No
1876-03-25	Scotland-Wales	Scotland	Wales	4-0	4	0	4	Win	Lose	Friendly	Glasgow	Scotland	No
1877-03-03	England-Scotland	England	Scotland	1-3	1	3	2	Lose	Win	Friendly	London	England	No
1877-03-05	Wales-Scotland	Wales	Scotland	0-2	0	2	2	Lose	Win	Friendly	Wrexham	Wales	No
1878-03-02	Scotland-England	Scotland	England	7-2	7	2	5	Win	Lose	Friendly	Glasgow	Scotland	No
1878-03-23	Scotland-Wales	Scotland	Wales	9-0	9	0	9	Win	Lose	Friendly	Glasgow	Scotland	No
1879-01-18	England-Wales	England	Wales	2-1	2	1	1	Win	Lose	Friendly	London	England	No
1879-04-05	England-Scotland	England	Scotland	5-4	5	4	1	Win	Lose	Friendly	London	England	No
1879-04-07	Wales-Scotland	Wales	Scotland	0-3	0	3	3	Lose	Win	Friendly	Wrexham	Wales	No
1880-03-13	Scotland-England	Scotland	England	5-4	5	4	1	Win	Lose	Friendly	Glasgow	Scotland	No
1880-03-15	Wales-England	Wales	England	2-3	2	3	1	Lose	Win	Friendly	Wrexham	Wales	No
1880-03-27	Scotland-Wales	Scotland	Wales	5-1	5	1	4	Win	Lose	Friendly	Glasgow	Scotland	No
1881-02-26	England-Wales	England	Wales	0-1	0	1	1	Lose	Win	Friendly	Blackburn	England	No

4.1.CHARTS

Percentage Win, Draw, Lose Matches by Home Teams



Number of goals

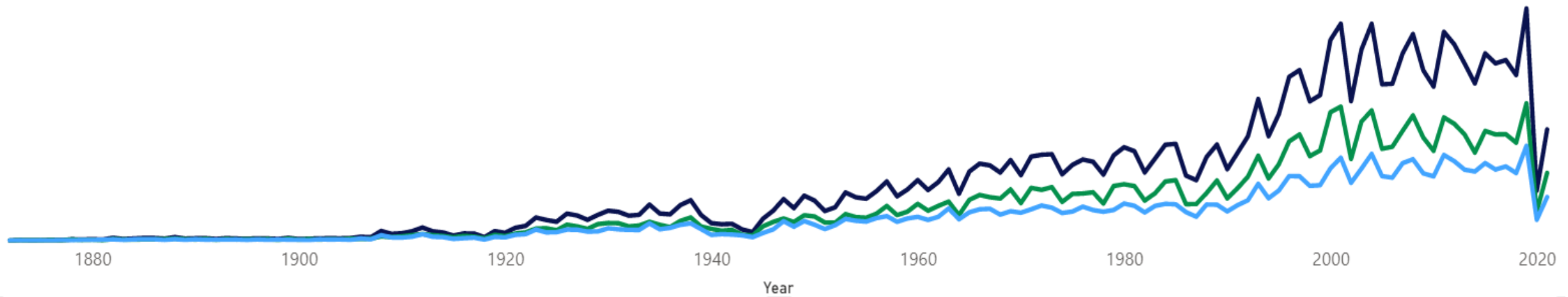


- Through **42483** matches from 1872 to 2021, home team winning percentage is 48,64%. There are **59,53%** goals from home teams and **40,47%** goals from away teams.
- It means that teams with home field advantage often **play better** and **score more goals**.

4.1.CHARTS

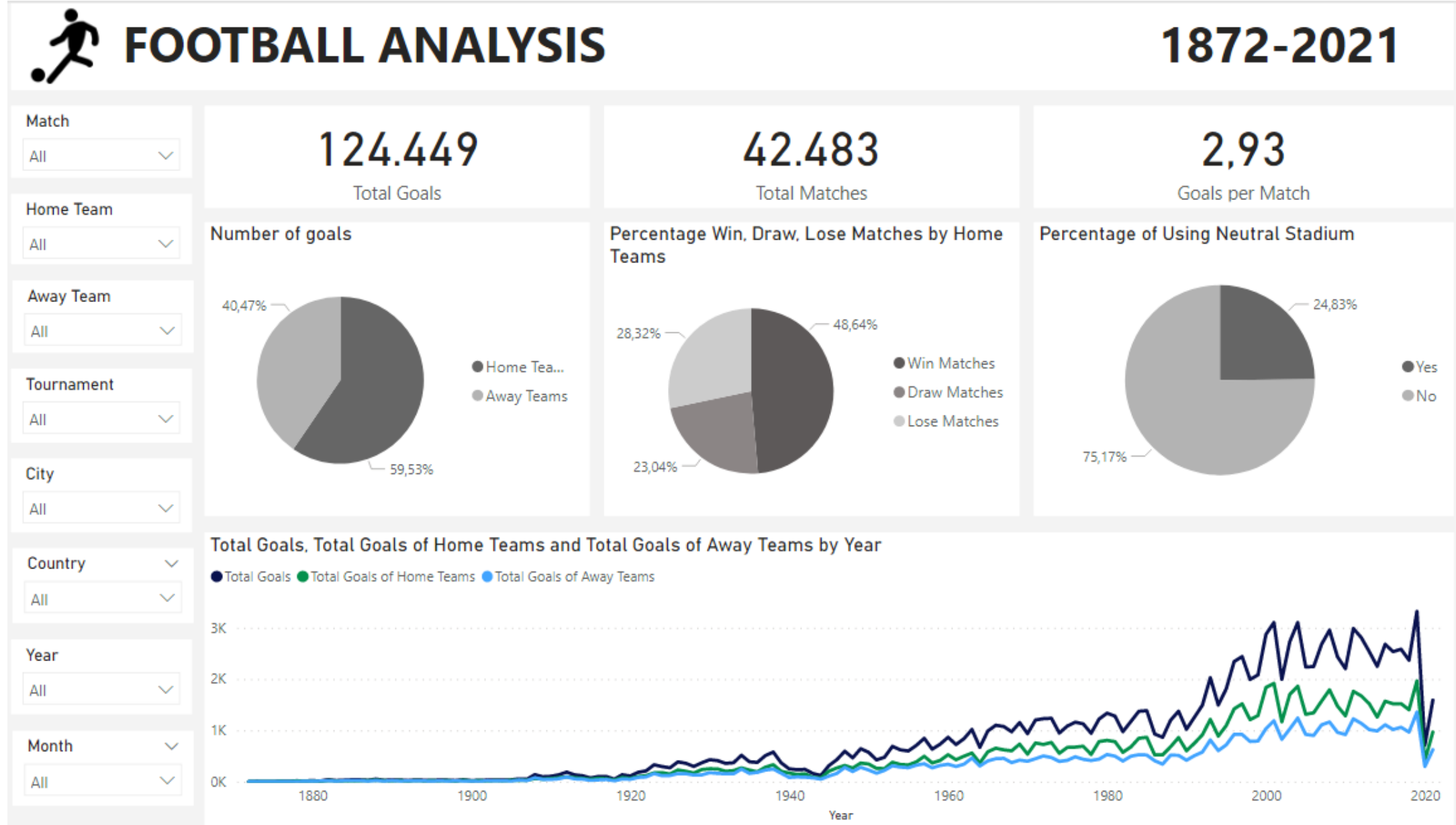
Total Goals, Total Goals of Home Teams and Total Goals of Away Teams by Year

● 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>