### Football-Transfers-Analysis-in-Excel-Project

#### Football data\_Task1 – Database Review

Use the Football data\_source.xlsx file to identify and fill in any missing data in the database for the 2021/2022 and 2022/2023 seasons. Take some time to review the database for errors and correct them.

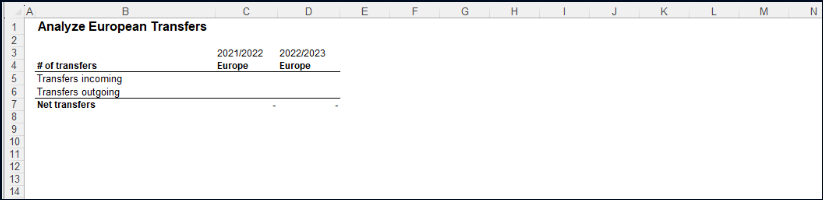
1. Go to the Database sheet, where you’ll find empty columns that need to be filled in by the information from the Countries sheet.
2. The names of countries and continents in the Countries sheet is extracted using 'Text-to-Columns' feature in Data Ribbon.
3. Next, find an incorrect year in the Season column. Create a header 'filter' from Data Ribbon and use 'Find and Replace' tool pressing 'Ctrl + H' to correct the year.
4. The last task involves filling in the two Continent columns in the Database sheet. For this, use ‘VLOOKUP’ function.

The VLOOKUP function in Excel is a powerful tool for searching and retrieving data from a table based on a specified lookup value. The term "VLOOKUP" stands for "Vertical Lookup," and it is commonly used when you have a vertical list of data and want to find a corresponding value in the same row.

#### Football data\_Task2 – Analyze the Aggregate Number of European Transfers

Create a table showing the total number of football transfers in and out of Europe during the two seasons under examination. We're interested in the net transfer balance. Does Europe, overall, import or export more players?

1. To perform this analysis using Excel functions, add a new sheet and rename it to ‘European Transfers’. Create a table as asked in question.



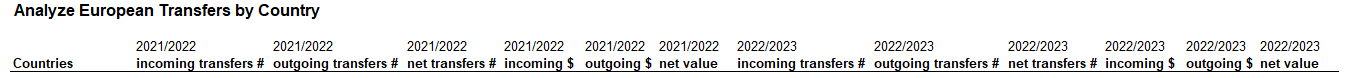
1. Use ‘SUMIFS’ function to get the total number of football transfers in and out of Europe during two seasons.
2. Lastly, subtract total transfers outgoing from total transfers incoming to get Net Transfers during the two seasons.

The SUMIFS function in Excel is used to sum values based on multiple criteria. It allows you to specify multiple conditions, and it adds up the values that meet all the specified criteria.

#### Football data\_Task3 – Analyze European Transfers by Country

Create another table listing the net transfer movements for each European country during the 2021/2022 and 2022/2023 seasons. Include the number of transfers and the total cost, giving you a clearer picture of how money moves around in European football transfers.

1. To perform this analysis using excel functions, add a new sheet and rename it to ‘European Transfers by Country’. Create a table as asked in question.



1. Use ‘SUMIFS’ function as in Task2 to get the total number of football transfers as well as total club-to-club compensation in Europe during two seasons.

#### Football data\_Task4 - Visualize Transfer Fees of Top 5 European Countries

Identify the top five European countries that invested the most in incoming transfers in the 2022/2023 season. For these countries, create a graphic showing the number of players they brought in, and the average transfer fee spent per player.

1. Determine which five European countries invested the most in incoming transfers during the 2022/2023 season.

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1. Calculate the average fee each of these countries paid per player by dividing the total amount spent on incoming transfers by the number of these transfers.
2. Visualize the data. Your graphic should represent the number of transfers for each country on one axis. Add a secondary axis to display the average fee paid in each country.