

# Chart Types: Column Charts

## Exercise 2.4.2.1



By the end of this activity, you will be able to:



Follow these steps to get the course activity assets

- Proficiently create column charts in Power BI and apply diverse formatting options to enhance data visualization
  - Develop the skills to interpret and communicate insights derived from column charts, enabling you to present complex data in an easily understandable format
1. Under **Part II - Visualize (Charts & Dashboards)** section of the DABEU course.
  2. Select the appropriate activity
  3. Download the following files:
    - 2.4.2.1. Exercise Column Charts v7.0.pdf
    - FIFA v7.0.xlsx

## Instructions

1. Download the FIFA excel file.
2. Clean and transform the data as much as necessary to complete this task.
3. Use the FIFA data to replicate the 10 Column charts in the exercise.
4. Document the steps you took to complete this task as well as any insights you found in the FIFA data.

## About the data

The FIFA Excel dataset documents the scoring performances of various countries, detailing the number of goals scored in international matches and tournaments from 1993 to 2018. The data shows the dynamic goal-scoring prowess exhibited by nations such as Argentina, Brazil, Spain, France, Germany, and Italy.

The data has the following fields:

### Attributes:

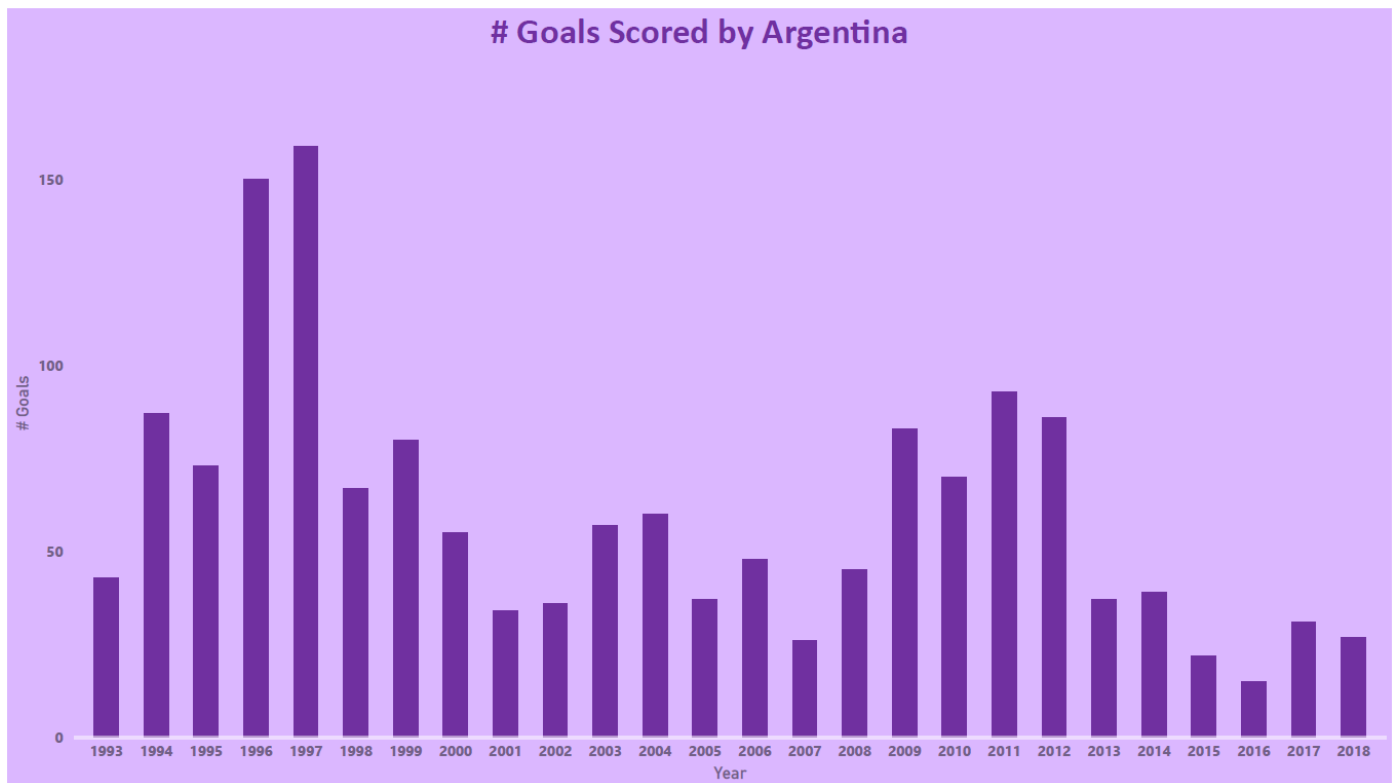
Fields	Definition
<ul style="list-style-type: none"> <li>• Date</li> </ul>	<ul style="list-style-type: none"> <li>• This column represents the date on which the goals were scored.</li> </ul>
<ul style="list-style-type: none"> <li>• National_teams               <ul style="list-style-type: none"> <li>○ ARG</li> <li>○ BRA</li> <li>○ ESP</li> <li>○ FRA</li> <li>○ GER</li> <li>○ ITA</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• These columns represent the number of goals scored by each national team (Argentina, Brazil, Spain, France, Germany, Italy) in matches or events on the corresponding date.</li> </ul>

### Metrics:

Fields	Metric	Definition
<ul style="list-style-type: none"> <li>• Number of Goals</li> </ul>	<ul style="list-style-type: none"> <li>• # Goals</li> </ul>	<ul style="list-style-type: none"> <li>• This column represents the number of goals scored by each national team</li> </ul>

**All charts in this  
exercise are mandatory.**

## Chart 1



- Use the metric # Goals found in the field ARG for the graph above.

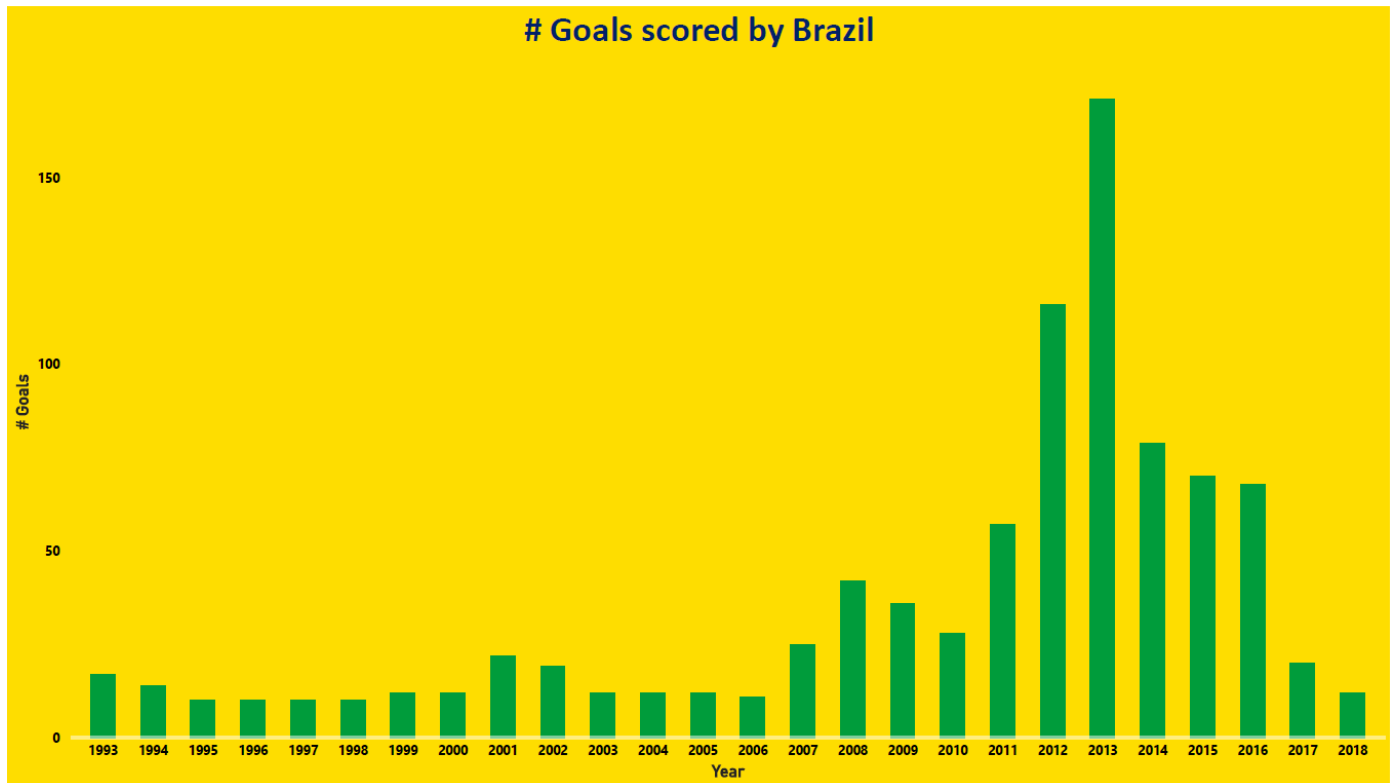


**Tip:**

Ensure the axis starts from zero for accurate visual representation.

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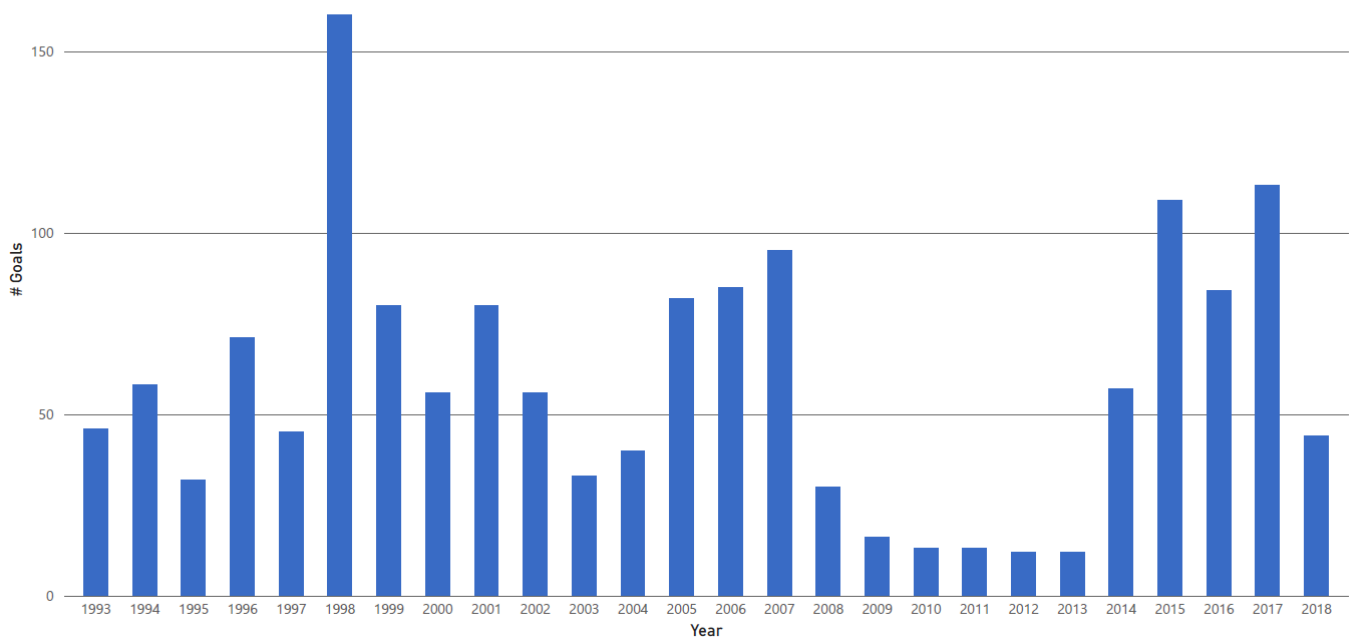
## Chart 2



- Use the metric # Goals found in the field BRA for the graph above.

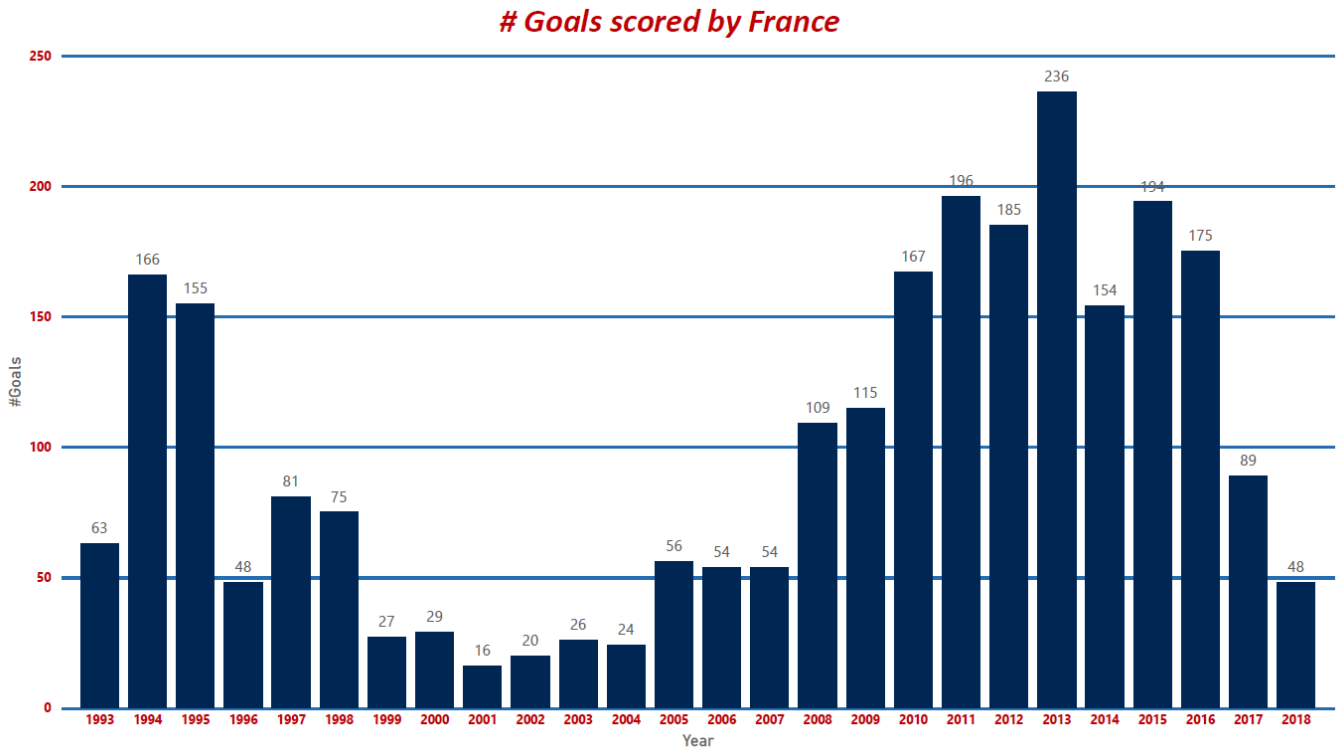
### **Chart 3**

**# Goals scored by Spain**



- Use the metric # Goals found in the field ESP for the graph above.

## Chart 4



- Use the metric # Goals found in the field FRA for the graph above.

## Chart 5



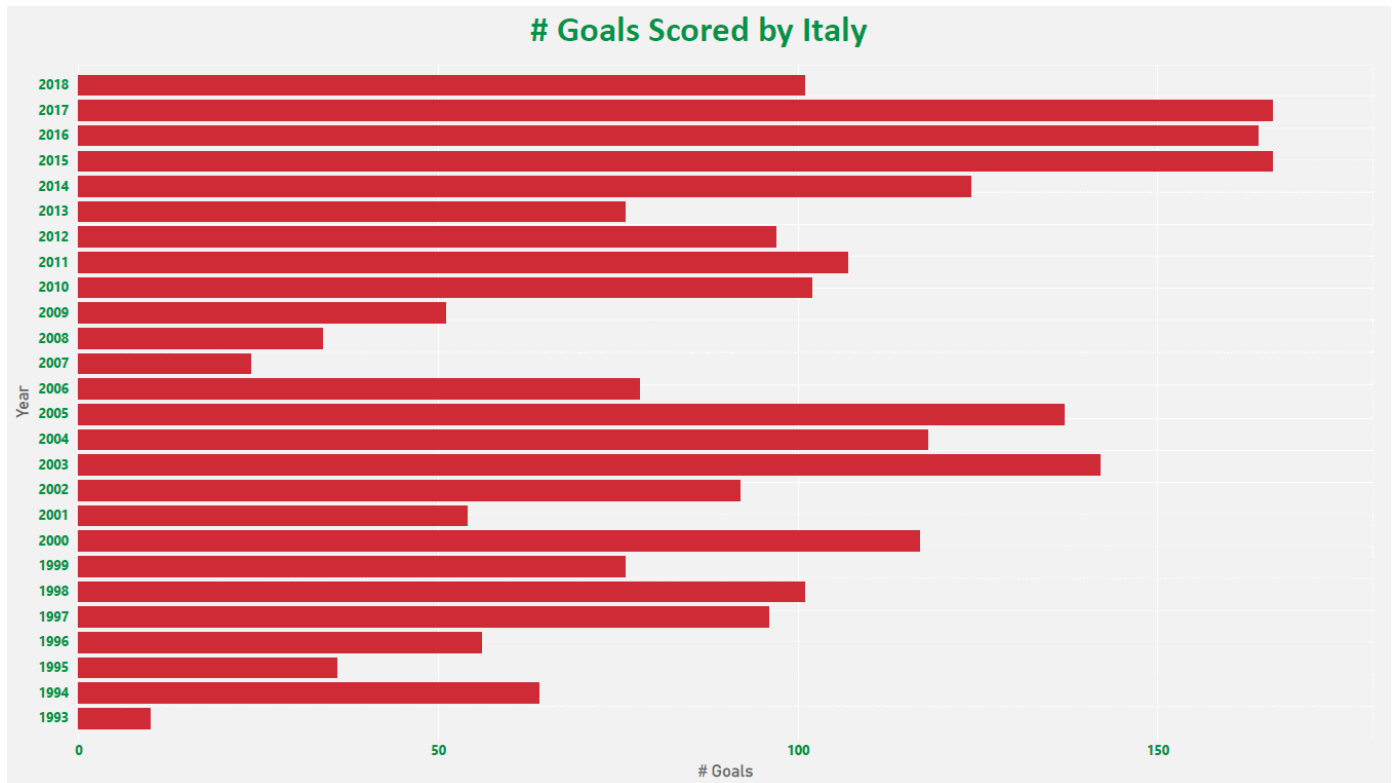
- Use the metric # Goals found in the field GER for the graph above.



**Tip:**

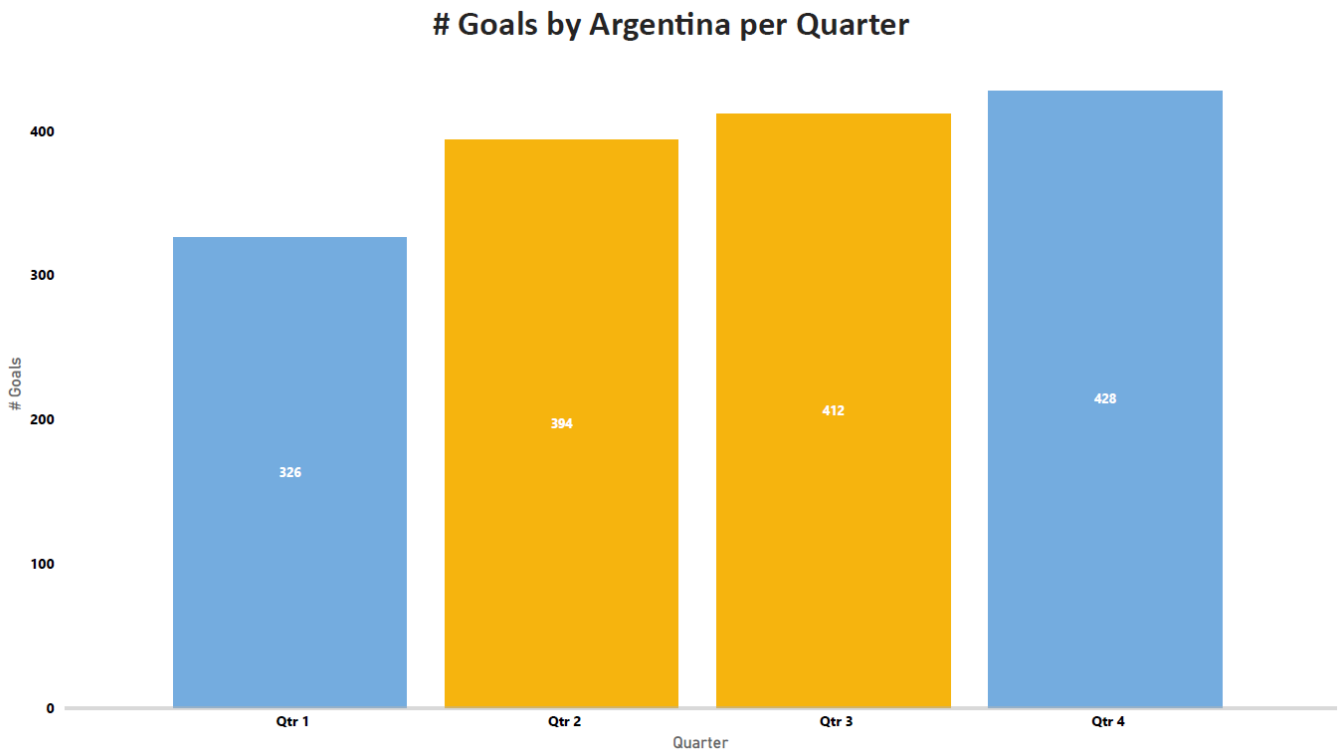
Insert horizontal and vertical gridlines.

## Chart 6



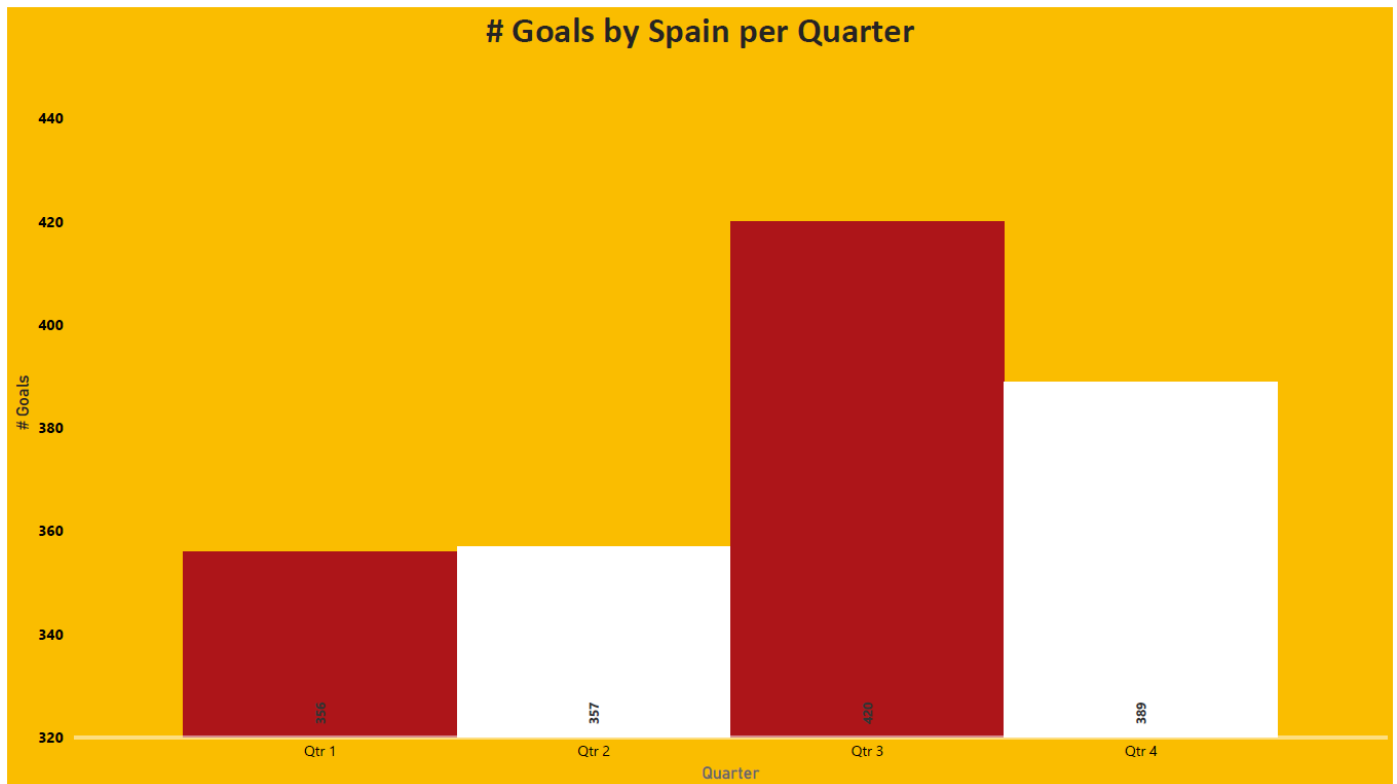
- Use the metric # Goals found in the field ITA for the graph above.

## **Chart 7**



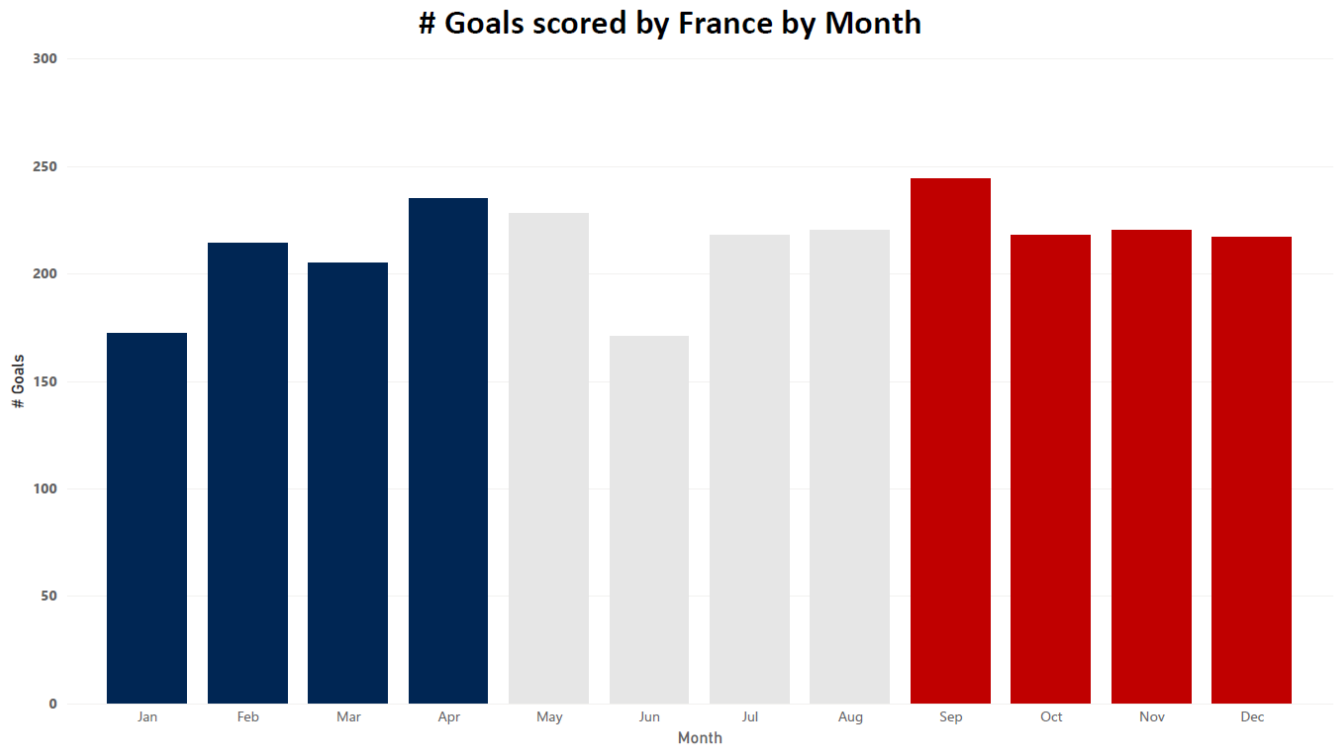
- Use the metric # Goals found in the field ARG for the graph above.

## Chart 8



- Use the metric # Goals found in the field ESP for the graph above.

## Chart 9



- Use the metric # Goals found in the field FRA for the graph above.

## **Chart 10**



- Use the metric # Goals found in the field BRA for the graph above.