

The background of the slide is a stylized, isometric illustration of a landscape. It features a light blue river winding through a green terrain. On the left, a path leads up a hill towards a small bridge and a cluster of colorful, stylized houses. On the right, another path leads down a hill towards a similar cluster of houses. The overall style is whimsical and colorful, with a palette dominated by greens, blues, and earthy tones.

Project

2. EuroCup Soccer



Scenario

You are a **sports data analyst** and you have been tasked with summarizing data from the matches from a previous EuroCup. Your manager would like the following questions answered.

Get the Data

Download dataset [here](#).

Read in the data

```
data =
```

```
pd.read_csv('https://raw.githubusercontent.com/guipsamora/pandas_exercises/master/02_Filtering_%26_Sorting/Euro12/Euro_2012_stats_TEAM.csv',  
sep=',')
```

Problems

1. How many teams participated in the Euro2012?

15

2. What is the number of columns in the dataset?

35

3.View only the columns Team, Yellow Cards and Red Cards and assign them to a data frame called discipline.

Using this formula you can create table ,

Discipline =

`SUMMARIZE(EuroCup_Soccer,EuroCup_Soccer[Team],EuroCup_Soccer[Red Cards],EuroCup_Soccer[Yellow Cards])`

Team	Red Cards	Yellow Cards
Czech Republic	0	7
Denmark	0	4
England	0	5
France	0	6
Germany	0	4
Italy	0	16
Netherlands	0	5
Portugal	0	12
Russia	0	6
Spain	0	11
Sweden	0	7
Ukraine	0	5
Greece	1	9
Poland	1	7
Republic of Ireland	1	6

4. Sort the teams by Red Cards, then to Yellow Cards.

Teams by Red Cards

Greece	1
Poland	1
Republic of Ir...	1
Czech Republic	
Denmark	
England	
France	
Germany	
Italy	
Netherlands	
Portugal	
Russia	
Spain	
Sweden	
Ukraine	

Teams by Yellow Cards

16	Italy
12	Portugal
11	Spain
9	Greece
7	Czech Republic
7	Poland
7	Sweden
6	France
6	Republic of Ir...
6	Russia
5	England
5	Netherlands
5	Ukraine
4	Denmark
4	Germany

5. Calculate the mean Yellow Cards given per Team.

AVG. Yellow Card per Team

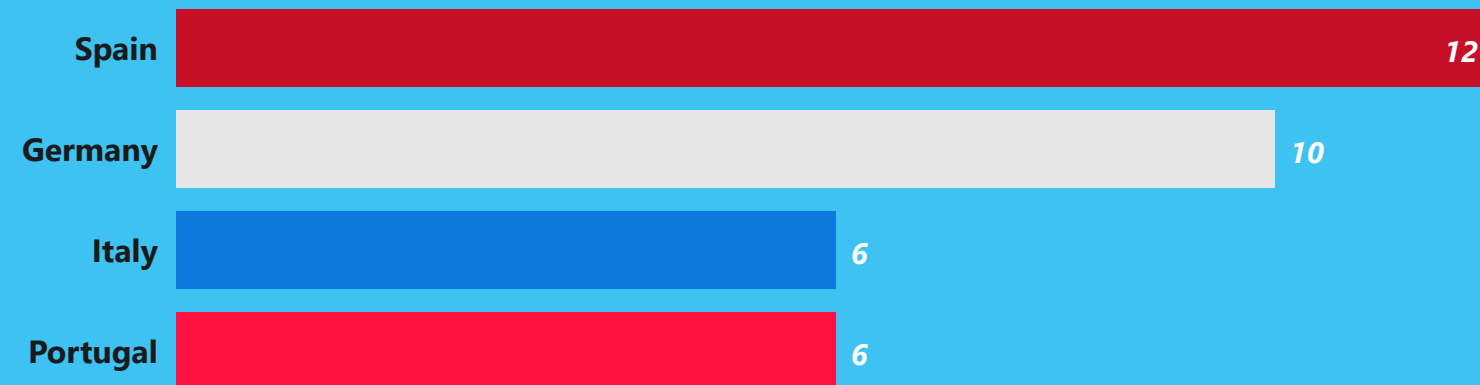
7.33

AVG. Red Card per Team

0.20

6. Filter teams that scored more than 6 goals.

Goals scored by Team



6. Select the teams that start with the letter G.

Team
Germany
Greece

7. Present only the Shooting Accuracy from England, Italy and Russia.

Sum of Shooting Accuracy by Team

