

Pandas exercises

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Abstract

This is the first batch of exercises to practise with Pandas library. Write python programs to answer the question presented below. Upload to e-gela the code written.

1 Getting and Knowing Your Data

1. Import the necessary libraries
2. Read the Euro2012.csv file and assign it to a dataframe called euro12
3. See the first 5 entries
4. How many teams participated in Euro2012?
5. What is the number of columns in the dataset?
6. Print the name of all the columns
7. What is the name of 10th column?

2 Filtering and Sorting

1. View only the columns Team, Yellow Cards and Red Cards and assign them to a dataframe called discipline.
2. Sort the teams by Red Cards, then to Yellow Cards.
3. Calculate the mean Yellow Cards given per Team
4. Select the first 7 columns.
5. Select all columns except the last 3.
6. Present only the Shooting Accuracy from England, Italy and Russia



3 Grouping

1. Use the drinks.csv file and assign it to a dataframe called drinks
2. Which continent drinks more beer on average?
3. For each continent print the statistics for wine consumption.
4. Print the mean alcohol consumption per continent for every column.
5. Print the mean, min and max values for spirit consumption.