

European Countries Spreadsheet

Download and open the **countries spreadsheet**

This shows all the countries in Europe

Question 1

- A. Select the **entire sheet**
- B. **Sort** the data by **Population (2025)** going from **highest** to **lowest**
Use **Data > Sort** to do this
Make sure the **column headings** in the first row stay where they are at the top of the sheet
- C. Use **conditional formatting** to colour the countries with an **Area of more than 100000 hectares**. The choice of colour is up to you
Conditional formatting is on the **Home** tab

At the bottom, switch to the worksheet 'data analysis' for the next questions

Question 2

Use the **data analysis** worksheet for this question

Use **functions** to work out each of the following in the spaces provided on the spreadsheet. You can find each function under the **AUTOSUM** button

The answers go in the **light green** sections

- A. The **total** number of countries (use COUNT)
- B. The **highest** (MAX), **lowest** (MIN), **average** (AVERAGE), and **total** (SUM) populations from **column C**
Population is the number of people who live in the country
- C. The **largest**, **smallest**, **average**, and **total areas** from **column B**
The area is the physical size of the country. Is it a big country or a small one
- D. The **lowest**, **highest**, and **average population densities** from **column D**
Population density shows how crowded a country is. A high number means it is more crowded

Question 3

Keep using the **data analysis** worksheet for this question

Use the **Complex Formulas Guide** to help you

- A. Use **COUNTIF** functions to complete the **Complex Data Analysis** section (the **dark green** section)

You can find **COUNTIF** under **Formulas > More functions > Statistical**
Make sure you use **COUNTIF** not **COUNTIFS**

- B. The first two questions (a and b) look at the population (column C)
- C. The second two questions (c and d) look at the area (column B)
- D. The last two questions (e and f) look at the population density (column D)

Question 4

This question uses an **IF function**

Use the **Complex Formulas Guide** to help you

- A. In cell **F2**, use an IF function to put the words **BIG COUNTRY** if the **area** of the country in row 2 is **more than** 10,000 hectares, and the words **SMALL COUNTRY** if the **area** of the country is **less than** 10,000 hectares

- B. At the top, click **Formulas**

- C. Choose **Logical** and then **IF** from the list

- D. In the **Logical test** box,
type **B2 > 10000**

- E. In the **Value if true** box,
type **BIG COUNTRY**

- F. In the **Value if false** box,
type **SMALL COUNTRY**

- G. Click **OK**

- H. **Fill** the function down **every row** in the table

Logical_test	B2>10000	↑	= TRUE
Value_if_true	"BIG COUNTRY"	↑	= "BIG COUNTRY"
Value_if_false	SMALLER COUNTRY	↑	=