

Lab #16 Colonial American Population for the Year 1700

This Project

Students create a pie chart showing the distribution of national groups who were settled in America in the year 1700.

Materials

None

Before the Computer

- Explain to your class that they will utilize a spreadsheet application to create a pie chart that illustrates the nationality of people who settled in colonial America during the year 1700. The American colonies during this time period encompassed what would soon become the original thirteen states.

A. Create a Spreadsheet

1. Open a new workbook document in *Excel*.
2. Click in cell A1. Type the label (*Nationality*).
3. Press the **Tab** key on your keyboard to move to cell B1.
4. In cell B1, type (*Percentage of the Colonial American Population*).
5. Change the style of the labels to **Bold**. To do this, highlight the cells and click on the **Bold** button (**B**) on the tool bar.
6. Enter the data for each nationality as listed in the following table. Make sure you enter the percentage of the population in its decimal form. For example, 25% would be entered as 0.25.

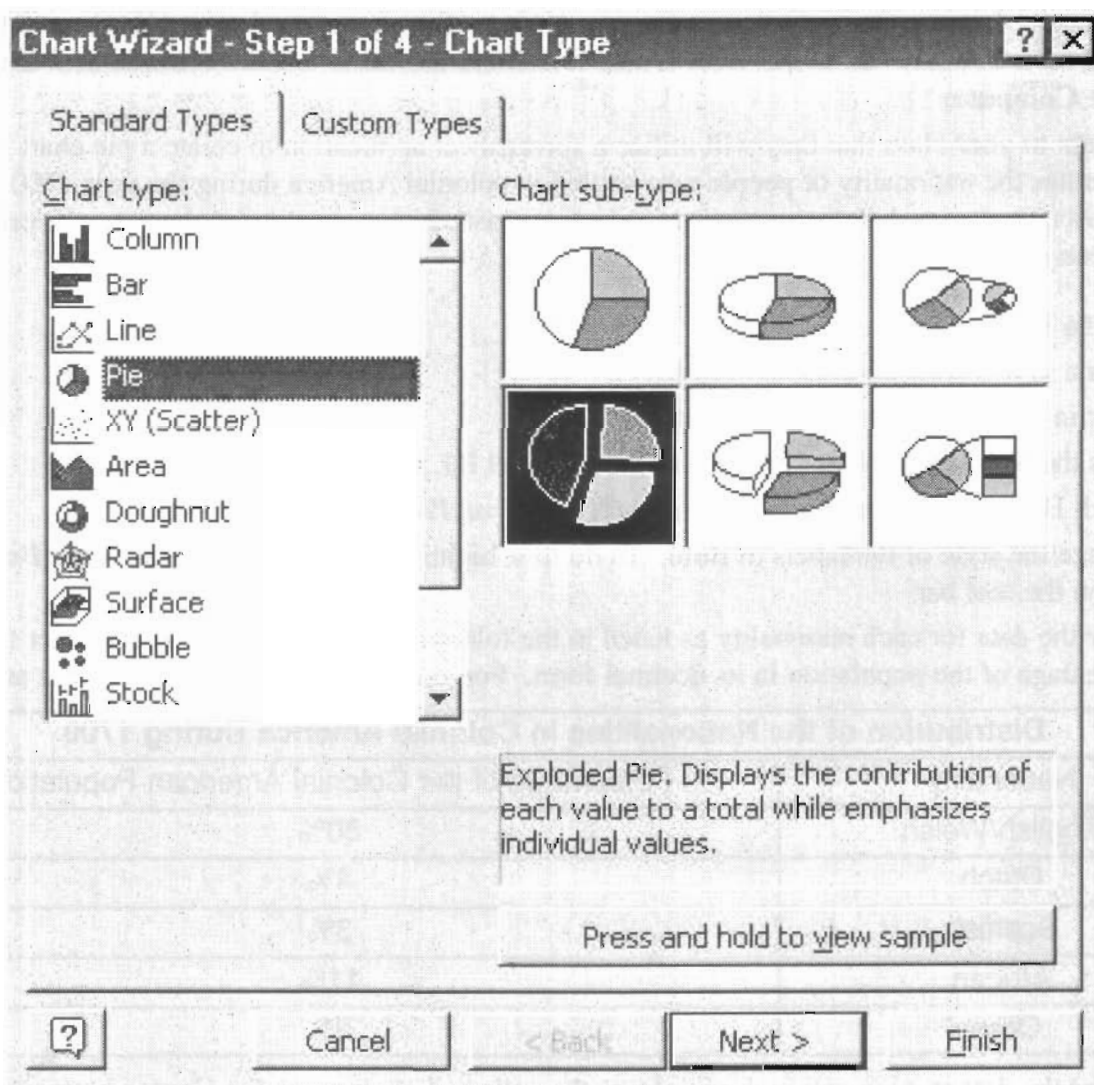
Distribution of the Nationalities in Colonial America During 1700	
Nationality	Percentage of the Colonial American Population
English/Welsh	80%
Dutch	4%
Scottish	3%
African	11%
Other	2%

7. Center the data in each cell by highlighting the cells and clicking on the **Center** button on the tool bar.
8. Click on cell B2 and drag your mouse down to cell B6. Go to the **FORMAT** menu, and select **Cells**.
9. Click the **Numbers** tab. Choose **Percentage**, and set the **Decimal Places** to (0).
10. Click **ok**.
11. Save your data at this point and continue with part B.

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B. Create an Exploded Pie Chart

1. Highlight cells A1-B6.
2. Go to the **INSERT** menu and drag your mouse down to select **Chart**. You can also access the **Chart Wizard** by clicking on the **Chart Wizard** button, which resembles a colorful bar graph, located on the top right portion of your tool bar.
3. Select **Pie** from the **Chart Type** list. Choose **Exploded Pie** from the **Chart Sub Type** selections.



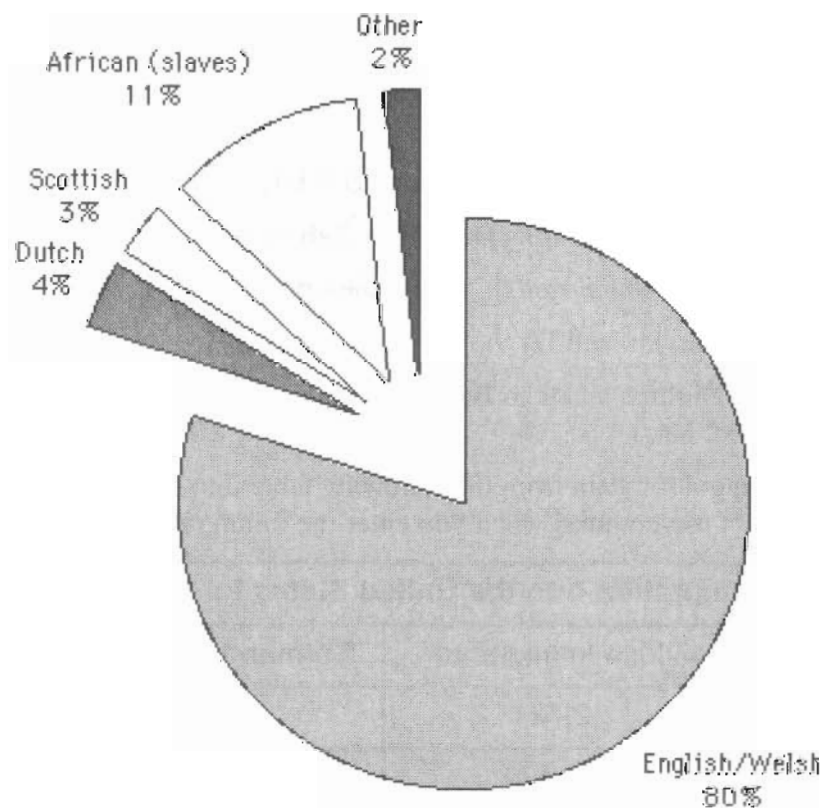
4. Click the **Next** button.
5. Click the **Next** button again to accept the default values in the data range window.

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6. In the **Chart Options** window, click the **Legend** tab. Remove the check mark from the **Show Legend** box.
7. Click the **Data Labels** tab. Choose **Show Label and Percent**.
8. Click the **Titles** tab. Title the chart (*Percentage of Colonial American Population in the Year 1700*).
9. Click the **Next** button.
10. Choose **As New Sheet** and label it (*pie chart*).
11. Click **Finish** to display your chart.

How do you think the nationality of early colonial settlers has influenced the creation of the U.S.?

Percentage of Colonial American Population in the Year 1700



This completes the activity

Remember to save your file.