edX

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Homework

Please answer the following questions. Be sure that you have downloaded the associated Excel file before beginning the homework. This lesson uses the **JulyCategoricalDataHW.xlsx** file.

*Remember that homework counts for 20% of your final grade. You are allowed **unlimited** attempts per question for homework problems. The main goal of homework is for you to practice and learn how to apply what you've learned in the content without worrying about getting the problem right the first time. Some homework problems may also provide hints or advice. Have fun!*

M1L5HW1

2/2 points (graded)
This question uses the **Question 1 Worksheet**. You are given the colors of 500 European cars. Create a column and pie chart to answer the following questions.

What is the most common color of car?

  ◯ Black

○ Blue

○ Brown

○ Green

○ Grey

○ Red

○ Silver

◉ White ✔

What is the least common color of car?

○ Black

○ Blue

○ Brown

- ⦿   Green ✔
- ○   Grey
- ○   Red
- ○   Silver
- ○   White

[Submit]

M1L5HW2

2/2 points (graded)

This question uses the **Question 2 Worksheet**. You are given the populations of the 50 US States, Washington DC, and Puerto Rico. Create a column and pie chart that summarizes the number of locations that have populations in the following ranges: 0-5 million, 5-10 million, etc.

Which population range has the most number of locations?

- ⦿   0 - 5 million ✔

○ 5 - 10 million

○ 10 - 15 million

○ 15 - 20 million

○ 20 - 25 million

○ 25 - 30 million

○ 30 - 35 million

○ 35 - 40 million

How many locations have populations over 20 million?

○ 0

○ 1

○ 2

⊙ 3 ✔

⊙ 4

Submit

M1L5HW3

3/3 points (graded)

This question uses the **Question 3 Worksheet**. To answer the questions below, create a PivotTable or PivotChart that calculates the percentage of patients that live or die at each hospital for each risk category. Create an additional PivotTable or PivotChart that calculates the overall percentage of patients that live or die at each hospital regardless of their risk category.

Which hospital has a higher percentage of survival for **high** risk patients?

⊙ CH

⊙ ER ✔

Which hospital has a higher percentage of survival for **low** risk patients?

○ CH

⦿ ER ✔

Which hospital has a higher **overall** percentage of survival?

⦿ CH ✔

○ ER

Submit