Homework assignment 10

Use black text (if possible) for everything you include in this document. Keep both your answers and the original questions. Save this document in PDF format and submit it on Canvas. Include your last name, the course number and the module number in the name of your file.

1. Show a documentation header.

2. Purchase a 1.69 ounce bag of plain M&Ms. Count the colors in your bag. Test the hypothesis that all the colors are equally likely using a chi-square goodness of fit test. Show the output from SPSS and interpret your results.

3. Download the file data-10-gardasil.csv and import it into SPSS. Add variable labels and value labels. Display the first ten rows of data.

4. Draw a bar chart displaying the percentage of patients in each clinic.

This homework will involve the collection of color information from a bag of M&M candies. I do not have all the details, yet, but it will be similar to the following assignment from last year.

[Homework Assignment 9 **-** Chi Square and Odds Ratios](https://umsystem.instructure.com/courses/199097/assignments/1964588)

M&M Class Bag Counts - The data in the summary table will be used to complete the HW assignment. **YOU MUST HAVE a 1.69 oz bag of PLAIN M&Ms to complete the lesson. Count the colors in your bag and post them as directed in the** [**M&M Color Reporting discussion board**](https://umsystem.instructure.com/courses/199097/discussion_topics/1719966)**. Do this by Sunday October 30th at midnight. I will create a class summary of the bag color counts.**

For those who do not have bag counts included in the summary that I post: **DO NOT ADD YOUR BAG TO THESE COUNTS**.

* [M&M Color Reporting Discussion Board](https://umsystem.instructure.com/courses/199097/discussion_topics/1719966)
* Treat the counts provided in the summary as representative of the class.
* You will use your own bag counts for the problems that require your bag counts.
* You will use the data in the count summary table for the problems that require class bag counts.

[Class Bag Count Summary Table](https://umsystem.instructure.com/courses/199097/files/19853015?wrap=1)

**Open your bag of Plain m&ms. (Single Serving Bag ~1.69 oz)**

**Count the colors in the bag.**

**Post your colors and number of those colors in the [m&m Color Reporting discussion board](https://umsystem.instructure.com/courses/199097/discussion_topics/1719966" \o "m&m Color Reporting ).**

**Due Date:**[**End of the eleventh week of classes**](https://umsystem.instructure.com/courses/199097/pages/weekly-schedule-for-fall-semester-2023)

Follow the instructions contained in this HW assignment. Complete as directed and then upload the assignment document into Canvas.

[Class Bag Count Summary Table](https://umsystem.instructure.com/courses/199097/files/19853017?wrap=1)

[Homework #11 - Chi Square and Odds Ratios](https://umsystem.instructure.com/courses/199097/files/19853004?wrap=1)