XP Booster

April 6

For this challenge you may work in teams of TWO or THREE. You will be using the timbits dataset (timbits.csv).

- 1. What proportion of timbits in the dataset are honey dip?
 - (a) If someone were to choose a timbit at random would say selecting a honey dip is likely, or unlikely?
 - (b) Now look at the proportion of timbits in box A and box B that are honey dip. Does this change your answer to part (a)?
 - (c) Using a visualization make an argument for why the type of timbit is associated with the location it comes from.
- 2. Create a barchart for the distribution of type of timbits across both different boxes. Do the boxes appear to have the same distribution?
- 3. When ordering the timbits Mr. Merrick asked if they could chose the type of each timbits at random.
 - (a) If the Tim Hortons locations assigned the timbits at random, how many of each type would be expected in each box?
 - (b) Using a graphical visualization give an argument for why the timbits were not assigned to each box at random.
 - (c) Using a graphical visualization give an argument for why the timbits were assigned to each box at random.