An Election Activity

1) Rank the following colors by writing a "1" to the left of the color you like the best. To the left of your next favorite, write a "2" and so on until you have ranked all 4.

      Red

      Blue

      Yellow

      Green

2) Using the class's data of these color rankings, create preference schedules.

3) Find a plurality winner. Is this also a majority winner? Why or why not?

4) Perform a runoff and calculate the winner.

5) Perform a sequential runoff and calculate the winner.

6) Find the Borda count for each choice and calculate the Borda count winner.

7) Calculate the Condorcet winner, if it exists.

8) If everyone approves of the top 3 choices, calculate the approval vote winner.