SUMMATIVE PART 2 – Tile Predictor

Mr John will provide 6 bags of tiles. Each bag has 200 tiles total, each a combination of red, blue and green.

Mix up all the tiles from bag 1. Without looking, reach in and grab 25 tiles. Count how many of each colour you chose, and record that information. Return the tiles to the bag for others

Repeat step 1 for the bags 2, 3, 4 and 5. Record your data each time.

Your jobs are as follows:

1. Predict how many red, blue and green tiles will be pulled from bag #6. Assume the pattern of tiles continues from bags 1-5. Use an appropriate regression to help you make a prediction. Use the templates provided.

2. Make the following graphs demonstrating some of your results:
   - A pie graph showing the distribution of tiles in the 6th bag
   - An index graph showing the number of red, green and blue tiles in the 5 bags