AP Statistics Summer Work 2022

Welcome to the wonderful and exciting world of AP Statistics! For this summer, I would like you to do all of the following, not necessarily in the order they are listed.

1) **Reading Assignment**
   Read this Target article and write a short reaction paper (about 200 words). In your paper, be sure to address how Statistics was used.

2) **Listening Assignment**
   Listen to this dialogue between NPR *All Things Considered* host Robert Seigel and Cornell University Associate Professor Katherine Kinzler about Multilingual Exposure and Communication Skills for Children. Then answer the following questions. You might need to do a little bit of research to answer the questions.
   a) Did they conduct an experiment or an observational study? How can you tell?
   b) What does "statistically significant" mean?

3) **Watching Assignment**
   Watch this TED talk video on "How to Buy Happiness." Then do the following:
   a) You need to select a total of 10 during this summer break and randomly select 5 of the days to be the days when you will do a random act of kindness. The other 5 days will just be ordinary days, no random acts of kindness done. Examples of random acts of kindness are: opening a door for somebody at a public place (restaurant, church, mall, etc.), buying somebody a drink (soda or coffee), taking out the trash at your house without your parents asking you to do it, and the like. You have to list the actual act of kindness on your paper.
   b) For each of the 10 days you selected, you have to measure your "happy-meter," 1 being the lowest (least happy) and 10 being the highest (very happy). On the days that you did the random act of kindness, be sure to measure your "happy-meter" AFTER you have done the act of kindness.

Your responses to the above assignment should be done on google docs, and should be shared with me on the first day of school. Be organized.

Happy Summer and truly looking forward to having you in class next year.

Mrs. Becker