

- Using the internet, find a recent article that argues for or against the use of polygraph tests to determine whether someone is telling the truth. Given what you now know about statistical paradoxes, do you think polygraph tests are meaningful? Why or why not? Use your article to back up your argument. **100 words**

- The 30 stocks in the DJIA represent a sample of more than 10,000 actively traded stocks, but it is not a random sample because it is chosen by particular editors for particular reasons that may include personal biases. Suppose that you chose a random sample of 30 stocks and tracked their prices. Do you think that such a random sample would track the market as well as the stocks in the DJIA? Why or why not? **100 words PLEASE REFER TO ATTACHMENT**