# Capstone Reflection

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## Reflection Questions:

1. What question(s) did you ask to guide this research?
   * Which sneaker(s) is the most popular (had the most purchases)?
   * Which sneaker(s) is the most profitable on the secondary market (on a place like StockX)?
   * Can I predict when the best time to sale a sneaker on StockX for maximum profit?
2. What did your research involve?
   * I engaged in the data cycle: collected data, cleaned the data, visualized and analyzed the data, then finally will presented the data.
   * I cleaned the data using Jupyter Lab, pandas, NumPy, regular expressions, and matplotlib. This consisted of:
     + Changing data types
     + Weird stuff like a space prior to the text “ Yeezy”
     + Extracted colorway and silhouette from one column
     + Created new columns such as, Profit Margin
     + Made two new data frames that I had to join together at the end to make one data frame
   * I spent the majority of my research on data visualization using Tableau. I explored the data to find patterns and answers to my questions.
   * I wrote a report and created a presentation to tell the story of the data.
3. What were your findings?
   * See my written report and presentation.
4. What challenges did you face?
   * I knew what I wanted the code to do, but I didn’t know the syntax well enough to do it.
   * Regular expressions were difficult for me.
   * I wasn’t as familiar with Tableau as I would like to have been.
5. What would you do differently?
   * I don’t know…
6. What would you propose for future projects?
   * I would like to learn about machine learning so I could make a model that would predict or explain the best time to resale a sneaker would be for maximum profit.