Section 6 Homework – Capstone development

Due: Tuesday before class (30 May, 6:30pm CT)

1. **Create a definitive problem statement to be solved with data analytics.** 
   * Can stock price trends be identified in failed banks stock prices that can point to an eventual collapse?
   * Secondary question: Can I compare banks’ quarterly statements, as a subset, to stock prices
2. **Provide your datasets**.
   * SIVB.csv
     + Stock prices of Silicon Valley Bank from 2017 – 2023
     + This is my main data set, and the bank I want to focus on if I need to change my focus onto one bank.
   * DB.csv
     + Stock prices of Deutsche Suisse bank from 2017 - 2023
   * FRC.csv
     + Stock prices of First Republic bank from 2017 - 2023
   * SBNYP.csv
     + Stock prices of Signature Bank from 2017 - 2023
   * CS.csv
     + Stock prices of Credit Suisse bank from 2017 - 2023

<https://www.kaggle.com/datasets/squidbob/2023-collapsed-banks-stock-prices-2017-2023?select=SIVB.csv>

1. **Describe your plan** on how to use this data to answer your problem statement.
   * As of now I have a four step plan in mind
2. Collect and clean data. Have rows appropriately named
3. Import data to DB browser for table joins, queries and manipulation
4. Visualize data and show potential correlations/patterns that can support problem statement
5. Outline presentation of data to follow a WHAT? 🡪 WHY 🡪 HOW 🡪 SO WHAT? flow