Tej Rai DS 710 Project: Agricultural Commodities Forecasting Model Data Provenance Record

1. Climate Data
    - Data provided by the NOAA
    - URL: https://www.ncdc.noaa.gov/cdo-web/api/v2/data
    - API_KEY: eWpYkdcSAUMGxpvhzAcsqYKoTWVOLnfm
        - I requested a token and was emailed the following key
        - The requested data:
            - Temperature Average for 2020 at station USR0000KCIM (Cimarron, Kansas)
            - Precipitation for 2020 at station US1KSAL0001 (Kansas)

2. Wheat Data
    - Data provided by the USDA ERS
    - URLs:
        - https://www.ers.usda.gov/data-products/#!topicid=14829&subtopicid=14854
        - https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.ers.usda.gov%2Fwebdocs%2FDataFiles%2F54282%2FWheat%2520Data-Recent.xlsx%3Fv%3D6255.1&wdOrigin=BROWSELINK
        - https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.ers.usda.gov%2Fwebdocs%2FDataFiles%2F47913%2FWheatCostReturn.xlsx%3Fv%3D8000.2&wdOrigin=BROWSEL
        - https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.ers.usda.gov%2Fwebdocs%2FDataFiles%2F53270%2FFutmodwheat.xlsx%3Fv%3D1304.6&wdOrigin=BROWSELINK
        - Downloaded April 12th, 2024
    - Note : The wheat data is extensive and unstructured, hence I had to copy/paste the desired tables into self-created excel sheets and manually adjust a few parameters (i.e. there would be text descriptions around the tables or there would be numerous descriptive tabs). The created dataframes will still be cleaned via Python, however it was necessary to create my own sheets otherwise I would've experienced a lot of grief.