**POLARS WORKSHOP INSTRUCTIONS**

**STEP 1:** View attached presentation. Make sure you understand the following:

* What MLOps is
* Why MLOps is Important
* How Polars Compares to Pandas and PySpark
* Where Polars fits in the ML Lifecycle

**STEP 2:** Download the following Files (Some are Jupyter Notebooks, some text files):

* + [**Polars Tutorial**](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/Polars-Tutorial.ipynb)
    - [Large CSV File (Performance Comparison)](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/oltp_output1.csv)
    - [Unclean Used Car Listings CSV (Scraped from truecar.com)](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/unclean_listings.csv)
    - [Unclean Used Car Listings JSON](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/unclean_listings.json)
    - [Unclean Used Car Listings Parquet (Hypercompressed text File)](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/unclean_listings.parquet)
    - [Unclean Used Car Listings Excel Workbook](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/unclean_listings.xlsx)

**STEP 3:** Download and complete the following challenges:

* **Beginner Polars Challenges**
  + **Description:** Complete the challenges in the Jupyter Notebook below. Make sure to download the datasets:
    - [**Beginner Challenges Notebook**](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/Challenges/Beginner%20Challenges/BeginnerChallenges.ipynb)
      * [CSV File (for Beginner challenges)](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/Challenges/Beginner%20Challenges/ds_salaries.csv)
      * [JSON File (for Beginner challenges)](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/Challenges/Beginner%20Challenges/tvs.json)
    - [**Beginner Challenges Answer Key (Notebook)**](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/Challenges/Beginner%20Challenges/BeginnerChallengesAnswerKey.ipynb)
* **Intermediate Polars Challenges**
  + **Description:** Complete the challenges in the Jupyter Notebook below. Make sure to download the datasets:
    - [**Intermediate Challenges Notebook**](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/Challenges/Intermediate%20Challenges/IntermediateChallenges.ipynb)
      * [CSV File (for Intermediate challenges)](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/Challenges/Intermediate%20Challenges/ds_salaries.csv)
      * [JSON File (for Intermediate challenges)](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/Challenges/Beginner%20Challenges/tvs.json)
    - [**Beginner Challenges Answer Key (Notebook)**](https://d.docs.live.net/22e957f1453f5946/Documents/Career%20Development/Data%20Science%20Club/Workshops/PolarsWorkshop/Challenges/Intermediate%20Challenges/IntermediateChallengesAnswerKey.ipynb)