HOW TO QUERY THE DeID RDW THROUGH PYTHON

Once you have logged into the Precision Health Turbo environment, follow the directions below on how to query the Precision Health DeID RDW through Python.

1. Navigate to your start menu and find ‘Python 3.7 (64-bit)’. Click on the icon to open the application.

2. The python console will launch.

3. In the window, enter the commands below. This will link Python to the DeID RDW.
   
   ```python
   import pyodbc
   conn = pyodbc.connect("DSN=DE-ID")
   cursor = conn.cursor()
   ```
4. Users can then start querying the DeID RDW.

   Example: `cursor.execute('SELECT TOP 5 * FROM PH_Views.dbo.MGI_Ancestry')`
   
   for row in cursor: print(row)

5. Sample SQL code and best practices can be found on the Precision Health GitLab repository. To request access to the repository, please send email to: phdatahelp@umich.edu