**Using the SAS Query Builder**

1. Locate CARS dataset
   * Model column – denotes 2dr v. 4dr

**Let’s query data to find all European 2dr cars!**

1. Select **Query Builder** and create new project
2. Select **Data tab** (default); columns can be drag/drop or double-clicked
   * Select
     1. Make
     2. Model
     3. Type
     4. MPG\_City
     5. MPG\_Highway
   * Put Type first (can be moved to top using button or drag/drop)

With columns selected, we’re ready to filter the data

1. Click **Filter Data** tab to add filters
   * Filters can be double-clicked or drag/dropped
   * To use new filter wizard, click New Filter tool button
     1. Create basic filter
     2. Select Model as we only want 2dr models
     3. Operator = Contains, Value = 2dr (remove match case)
     4. Verify summary of properties and click Finish
   * Also need to filter data for European cars
     1. Double click Origin
     2. Operator = Equal to
     3. Select Value from dropdown and click Get Values in secondary window
     4. Select Europe
     5. Click Finish to create filter

Notice relationship between filter elements is AND (can be changed to OR as needed)

1. Sort output by columns via **Sort Data** tab
   * Double click Type, Make, and Model (default sort direction is ascending)

Columns, filters, and sort orders are now specified

1. Check Query name (name of task in project pane and process flow) and Output name (name of table SAS creates when you run task)
   * Query = Subset Euro 2dr
2. Click **Run** to generate results
   * New tab opens in work area. By default, we’re viewing the Output table
3. Need to modify? Click Modify Task

**You’ve now extracted data per specified criteria via the query builder!!!**