**Steps to Produce Inventory Allocation Maximization Data Sets**

1. Connected PowerBI to three dataflows as provided by aaron burton.
   1. **Inventory Dataflow:**
   2. Business Planning > Inventory – Latest Snapshot – Detailed > Inventory for Allocation
   3. **Orders Dataflow:**
   4. Business Planning > Open Orders with Appointments > Open Orders for Inventory Allocation
   5. **Product Master:**
   6. Business Planning > Item Master > Product Master for Allocation
2. Make each dataflow a table in PowerBI with all columns included
3. Exported xlsx excel sheets from PowerBI
4. Create and “age\_joiner” excel file where…
   1. First column is age and rows go from 1 to the max age in the model (currently 120)
   2. Second column is joiner or 1 for all rows
5. Generate SQL script to load the three excel files into SQLite
   1. Convert excel column names into a naming convention that I like
   2. Add a “joiner” column onto the inventory table. Each row is 1
   3. Create a age\_joiner table
6. Loaded the inventory, orders, and item excel files into sqlite
   1. Excel data type can be weird loading to sqlite, be careful.
7. Run the spec\_fix.py script which lives in the Python folder in the Inventory Allocation Maximization folder.
   1. This will remove the bad specs from the spec list in the inventory data