**Business Case:**

A company is planning their deliveries for the next round of orders to go out from their warehouse in Cincinnati, OH. They have 15 drivers who deliver from this location, with various truck sizes, salaries, gas milage, etc. Their customers are located across the continental United States and Canada. Your goal is to provide an optimized solution organizing ordered items on trucks and defining the routes trucks will travel (potentially having truck go to multiple cities), minimizing the overall cost to deliver all orders. Using the data given (attached), provide a functional and commented Python scripts along with a one page write up or presentation describing your approach, assumptions, and solution / results.

**Notes and Assumptions**

* All goods sold are available at the required quantities in the warehouse.
* Generalize the locations where needed.
* The first delivery can start going out on Monday, February 3, at 8 am local time.
* Each driver can work 14 consecutive hours (driving, loading, unloading, paperwork), before being required to take 10 consecutive hours off.
* For any missing details, make your assumptions but document those on the 1 pager.

**Expected Outcomes:**

* A python script that has API routes for inferencing
* A design for deploying the solution on Azure (which services you’d use & why)?
* Infrastructure deployment yml for those Azure services + Docker file for application code deployment (Doesn’t need to be actual configurations).