A company uses PET bottles for its products across different markets. Currently PET is traded globally and port of St. Petersburg would be the source location. The company procures PET from port of St. Petersburg and ships it to its blowing plants across the globe where PET is blown to bottles and then taken to bottling plants.

Data set 1 provides the following details:

1. Demand of PET bottles by the company’s bottling plants over the year
2. Blowing plant locations

Data set 2 provides the following details:

1. Few variables (strictly not limited to use only these), which would decide the price of PET

With the given data, the team is required to

1. Calculate PET Price
2. Minimize total cost by optimizing purchase timelines, lead time and order volumes
3. Build a PET procurement strategy

**Requisites**:

* The final presentation should be not more than three slides
* Any or all calculations, statistical models used must be shared as separate files for evaluation
* One mandatory slide on methodology (this is not inclusive of the final 3 slides)

**Selection Criteria:**

It would be based on the following

1. Presentation of the solution and the outcome
2. Validation of data points/model/assumptions

**Notes**:

* Teams are not limited to use only the variables in the data set provided
* Transport cost assumptions should be documented with methodology and sources
* Transport cost from the blowing plant to bottling plant countries is negligible