Welcome since the nature of this position is pure technical and in order to judge your valuable skills and talents, we have come up with the test data set for trucks.

Please prepare a 10-minute presentation on it to show your findings.

Using the given data set, the following are some of the questions you must answer.

Also, here sky is the limit so they can show their creativity using programming language, visualization tool or by any other means.

**Dataset description**

The given data set is from the mining operation of heavy-duty trucks.

Each row of the data is one full loading cycle.

Loading cycle involves truck travelling empty to loading tool, truck travelling loaded from loading tool to dumping area.

During each cycle we capture some key data such as fuel burned, total tones moved, total distance travelled empty and loaded, total stop time empty and loaded.

Insights or outcomes which need to be derived from dataset.

1. Total tones moved by each truck as well as all the trucks combined.
2. Average Tones moved per truck.
3. Tones per Gallon per distance travelled matrix for each truck and all trucks.
4. Which truck is running most efficient and which truck is running most inefficient as per as the matrix in item number 3?
5. Show Visually which truck has travelled empty most distance.
6. Show visually which truck has Max and Min Gear Shifts per Mile
7. Which truck has max stop time in empty and
8. Total distance travelled by each truck as well as all trucks combined.
9. Predict the future production capacity for each truck (Prediction & forecasting needs to be made for next 15 days)
10. Identify truck which has lowest and highest production prediction.
11. Recommendation settings for each parameter to reduce fuel consumption.
12. Sky is the limit here – show something creative from this data set using your valuable skills.