**READ ME**

Designed and implemented ideas to provide interactive visualizations for the monthly data provided by Daimler Trucks, about the real time production metrics such as tracking vehicles down the line, and key performance indicators of the process.

The files present here include:

* The data involved in csvs
* Literature survey conducted by me
* The requirement analysis (Sheet 1)
* Sheet 2, sheet 3 and sheet 4 of the five-sheet design implementation

The basics of each csv file is given below:

1) **Cries On The Line**



- QA inputs cries into STVMS. Based on where the cry is put in will determine the FOUND\_INSP\_TEAM.

107 = CIW (1), Shift (0), Area (7). Generally, shift 0 =‘s 1st shift.

- ISNP = inspector/QA

- RESP\_INSP\_TEAM = If QA has identified a cry that belongs to one department, but works in another, a department code will be assigned here.

2) **Item Short**



- Table that tracks if a part is not available for installation.

Short Type Code

* B=In Building, Not On Truck
* T=W/Truck
* O=Offline
* I= Installed
* E=Not Received

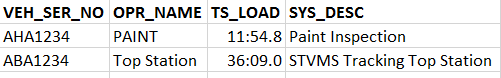
3) **Paint Tracking**



-Table that tracks paint defects on a cab.

- REPAINT\_REQ = if the issue requires significant amount of work

4) **Location**



**opr\_name**

* Chassis Start
* Rear U-Bolt
* Top Station
* Cab Upload 2
* M2 Deck Start
* PAINT
* Enter Offline
* CIW upload
* A Line
* Cab Upload
* B Line
* Pool 60 Start
* Pool 13 Start
* Sold
* Front U-Bolt
* Hood Upload

The final Dashboard created was done in Tableau and is available in my group-mates Tableau dashboard

<https://public.tableau.com/profile/shrutha.kashyap#!/vizhome/DaimlerTruckDashboard/FinalDashboard?publish=yes>

The dashboard showcases the following 4 goals

1. Data Source - Cries\_on\_line

Viewer - Manager

Description - The visualization will show us the number of cries/problems found by the various inspection teams over the course of a month.

Use - The visualization will help the manager find anomalies in the number of cries found.

1. Data Source - Item\_short

Viewer - Supervisor

Description - The visualization will show us the number of items found to be short along with their status (In Building, Not On Truck, Within Truck, Offline, Installed, Not Received) as well as if these were resolved or not.

Use - The visualization will help the supervisor understand the frequent shortages being caused as well as the time taken to resolve the shortage.

1. Data Source -  Paint

Viewer - Manager

Description - The visualization will show us the number of vehicles that ​required repainting.

Use - The visualization will help the manager understand the frequency at which the vehicles require repainting.

1. Data Source - location

Viewer - Plant Director

Description - The visualization will show us the number of vehicles that were present in various locations daily

Use - The visualization will help the plant director understand the efficiency of each location daily and helps in finding issues.