



Solar Turbines Data Quality Report

MSBA Capstone Project
Deliverable 1

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Agenda

Quality Assessment

- Parcel
- Accessorial
- EDI
- Freight

Evaluations:

- → Missing Values / Omissions
- Extreme Values
- Plausibility
- Consistency

Data Cleaning Changelog

Preliminary EDA & Next Steps

Parcel Overview

Dataset statistics	
Number of variables	23
Number of observations	490962
Missing cells	980843
Missing cells (%)	8.7%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	86.2 MiB
Average record size in memory	184.0 B

Variable types

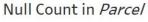
Numeric	9
Categorical	3
DateTime	3
Text	6
Unsupported	2

Parcel Variables

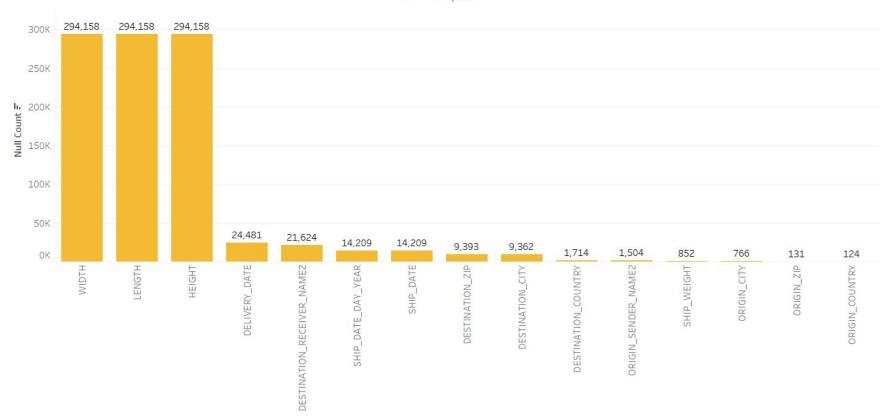
Unnamed:	0
ACCESSORIAL_CHARGE	0
CARRIER_NAME2	0
DELIVERY_DATE	24481
DESTINATION_CITY	9362
DESTINATION_COUNTRY	1714
DESTINATION_RECEIVER_NAME2	21624
DESTINATION_ZIP	9393
DUTIES_AND_TAXES_CHARGES	0
HEIGHT	294158
LENGTH	294158
MODE	0

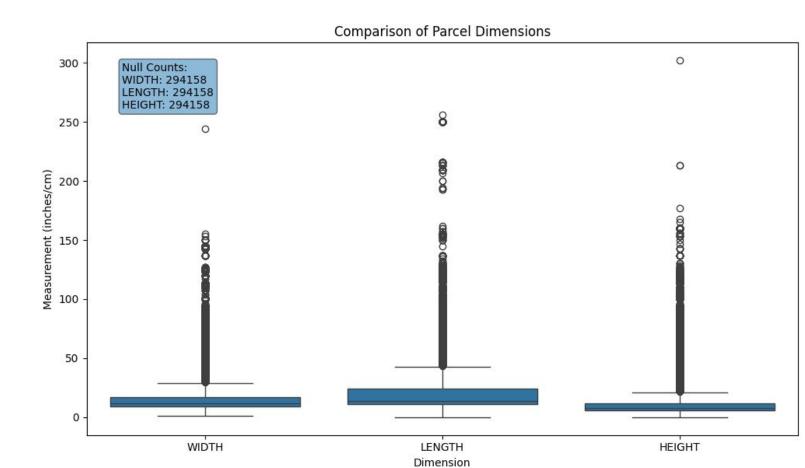
ORIGIN_CITY	766
ORIGIN_COUNTRY	124
ORIGIN_SENDER_NAME2	1504
ORIGIN_ZIP	131
SHIP_DATE	14209
SHIP_DATE_DAY_YEAR	14209
SHIP_WEIGHT	852
SHIP_WEIGHT_UNIT_OF_MEASURE	0
TOTAL_PAID	0
TRACKING_NUMBER2	0
WIDTH	294158

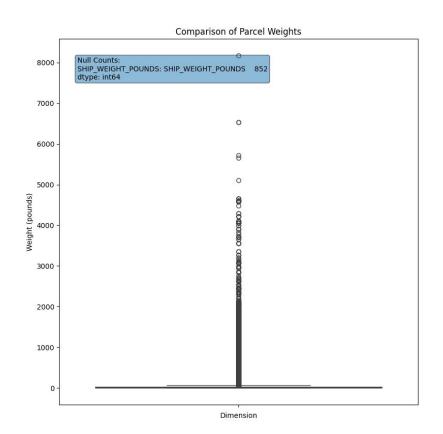
Count: 490,962

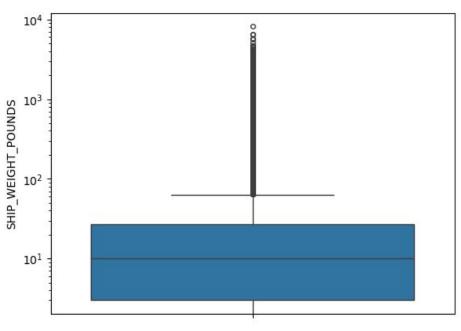


n= 490,962

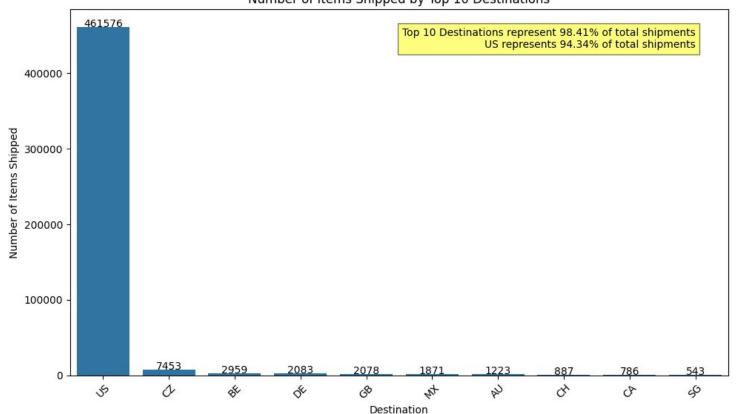


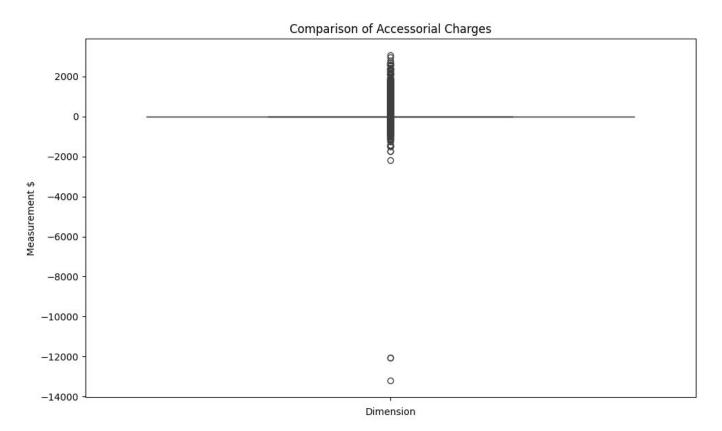










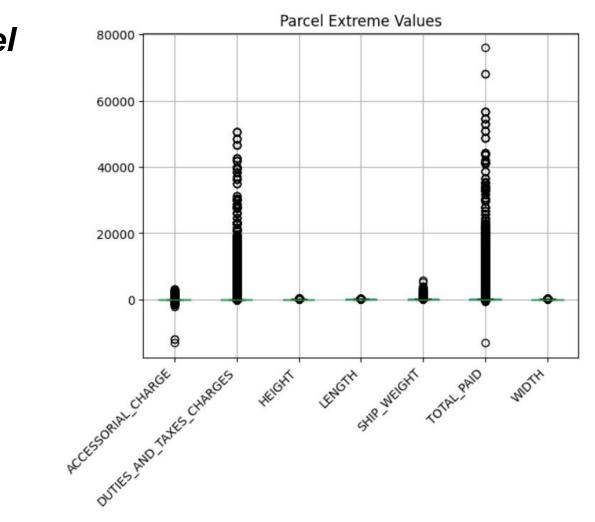


Accessorial by Destination City



Accesorial Charge By Origin City





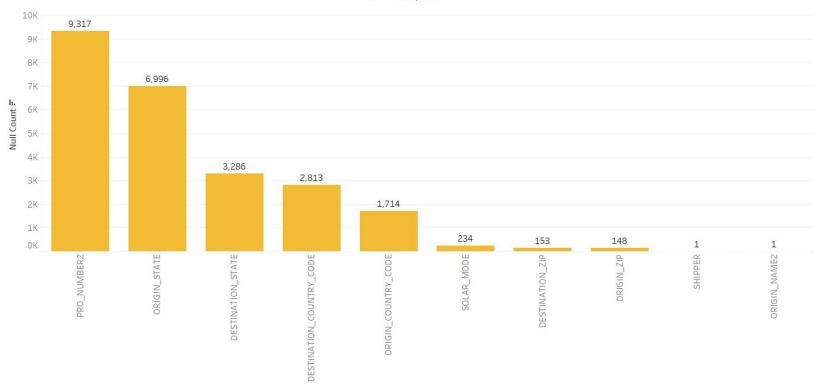
Accessorial Variables

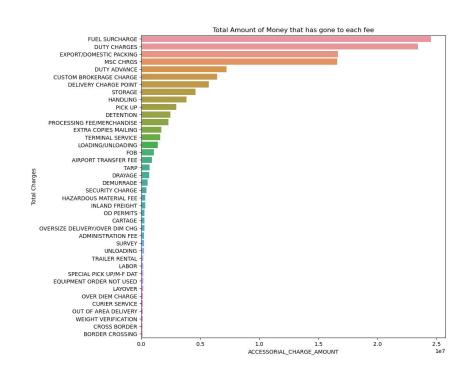
Unnamed:	0	IO_CODE_DESCRIPTION	0
ACCESSORIAL_AMOUNT	0	MILEAGE	0
ACCESSORIAL_CHARGE_AMOUNT	0	ORIGIN_CITY	0
ACCESSORIAL_CHARGE_CODE	0	ORIGIN_COUNTRY_CODE	1714
ACCESSORIAL_CHARGE_DESCRIPTION	0	ORIGIN_NAME2	1
AMOUNT_PAID	0	ORIGIN_STATE	6996
BILL_DATE	0	ORIGIN_ZIP	148
BILL_TYPE	0	PROCESS_DATE	0
CARRIER_MODE_DESCRIPTION	0	PRO_NUMBER2	9317
CARRIER_NAME2	0	RECEIVER	0
DESTINATION_CITY	0	SHIPPER	1
DESTINATION_COUNTRY_CODE	2813	SHIPPER_NAME	0
DESTINATION_NAME2	0	SHIP_DATE	0
DESTINATION_STATE	3286	SHIP_WEIGHT	0
DESTINATION_ZIP	153	SOLAR_MODE	234
IO CODE	0		

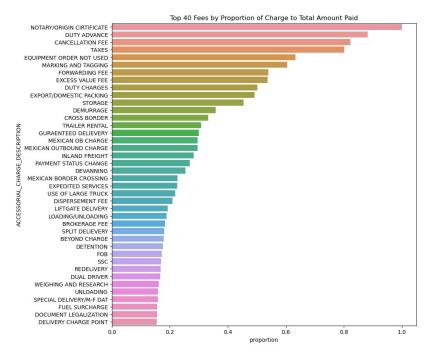
Count: 278,587

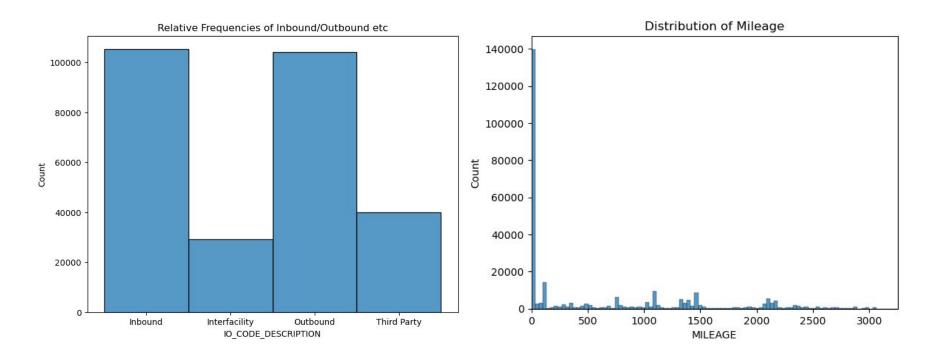
Null Count in Accessorial

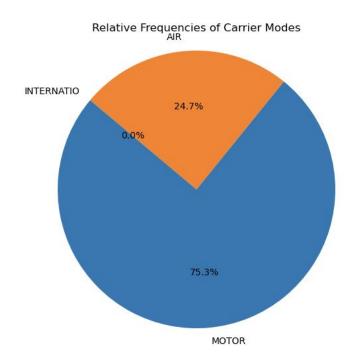
n= 278,587

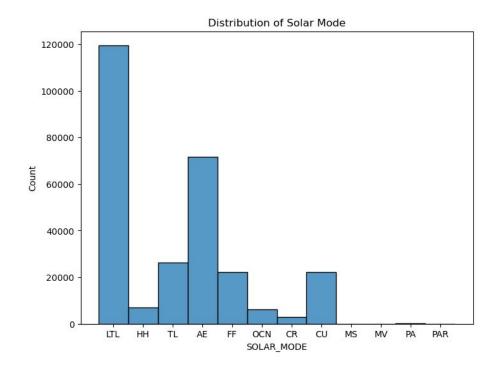


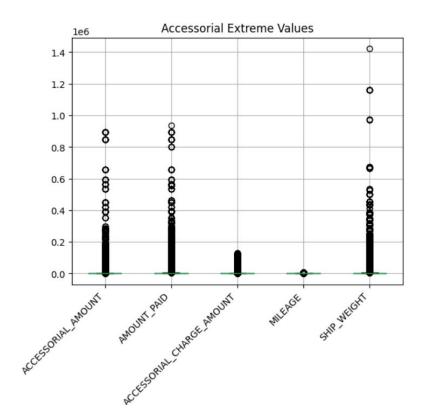












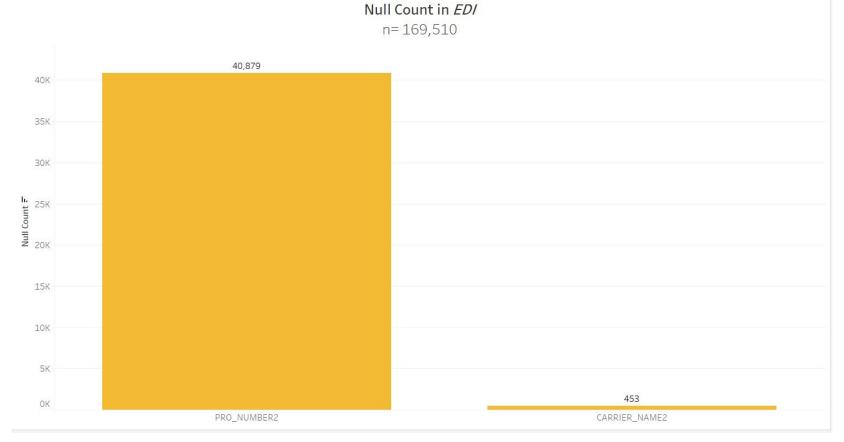
EDI

EDI Variables

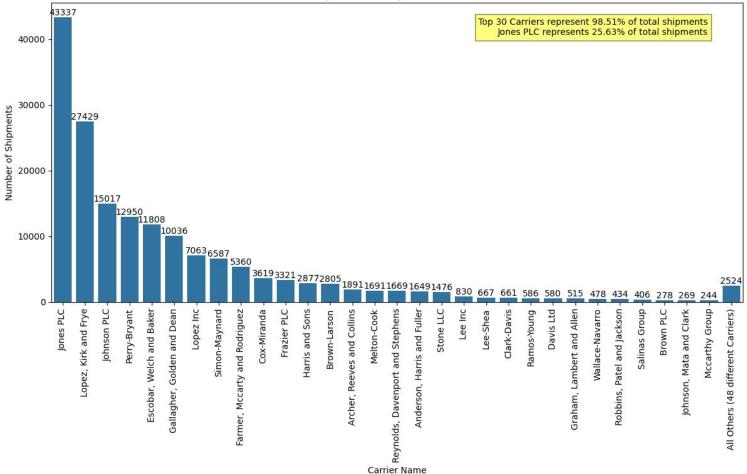
Unnamed:	0
AMOUNT_PAID	0
CARRIER_NAME2	453
EDI_PAPER_CODE	0
PRO NUMBER2	40879

Count: 169,510



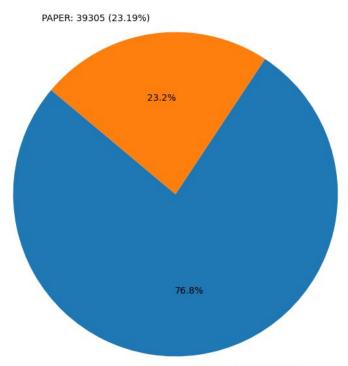






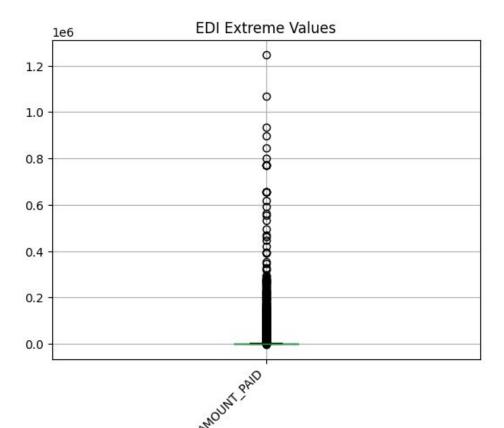


Distribution of EDI_PAPER_CODE



EDI: 130205 (76.81%)

EDI





Freight Variables

Unnamed:		0
ACCESSORIAL A	AMOUNT	0
AMOUNT PAID		0
CARRIER NAME	2	0
DESTINATION (CITY	191
DESTINATION (CITY STATE	0
DESTINATION (COUNTRY CODE	1954
DESTINATION 1	NAME2	191
DESTINATION S	STATE	989
DESTINATION 2	ZIP	299
IO CODE		0
MILEAGE		0
ORIGIN CITY		0
ORIGIN_CITY_S	STATE	0

ORIGIN COUNTRY CODE	926
ORIGIN NAME2	1
ORIGIN STATE	3125
ORIGIN ZIP	108
PROCESS DAY YEAR	0
PRO NUMBER2	0
RECEIVER	191
SHIPPER	1
SHIP DATE	0
SHIP DAY YEAR	0
SHIP WEIGHT	0
SOLAR MODE	311

Count: 171,150

Null Count in Freight

n= 171,150

