**EDA INSIGHTS- DEHIRE**

The shape of the dataset for allot is (60174,48)

**First moment business decision**

1st Business Moment : Measures of Central Tendency -> Mean, Median, Mode

MEAN

U\_Frt 1.537790

QUANTITY -1.222836

RATE 2.026928

Loading/Unloading 2.708249

Detention 4.476131

MEDIAN

U\_Frt 6.0

QUANTITY -96.0

RATE 2060.0

Loading/Unloading 0.0

Detention 0.0

**Second moment business decision**

Measures of Dispersion -> Variance, Standard Deviation, Range

Standard deviation

U\_Frt 3839.642345

QUANTITY 104.777690

RATE 273.672588

Loading/Unloading 158.128697

Detention 16.680644

Variance

U\_Frt 1.474285

QUANTITY 1.097836

RATE 7.489669

Loading/Unloading 2.500468

Detention 2.782439

Third moment business decision-Skewness

U\_Frt 5.665835

QUANTITY -0.855587

RATE -0.463772

Loading/Unloading 11.644932

Detention 46.691635

Fourth moment business decision-Kurtosis

U\_Frt 53.157111

QUANTITY -0.118094

RATE 21.261927

Loading/Unloading 248.325315

Detention 2424.847169

**DOCNUM column:**

* **33467** unique purchase documents are available.

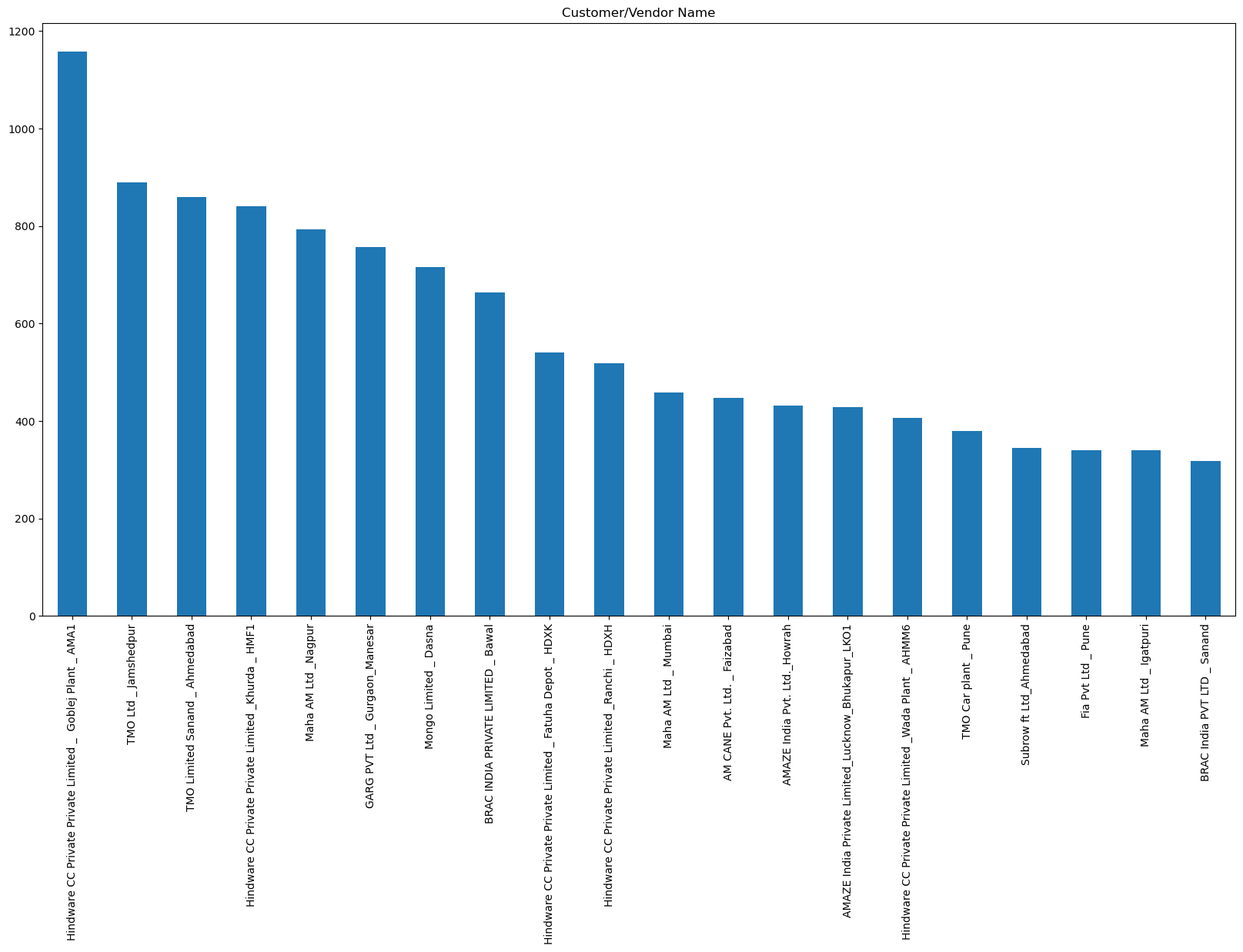
**Posting Date, create Date and Effective Date columns:**

* These columns are type casted from string to date and time.

**Customer/Vendor Code:**

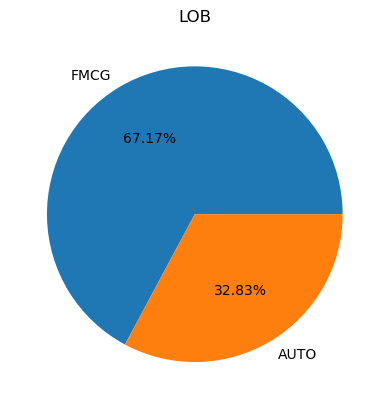
* **1956** unique customers code are there which represent id of each customer.

**Customer/Vendor Name:**

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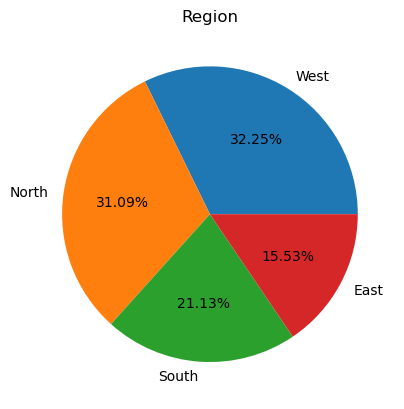
* 1956 unique customer are there
* These are the top 20 customers

**LOB column:**

****

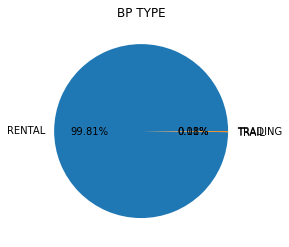
* Two unique LOBs are there AUTO and FMCG.
* AUTO 32.83% and FMCG 67.17%.

**Region column:**

****

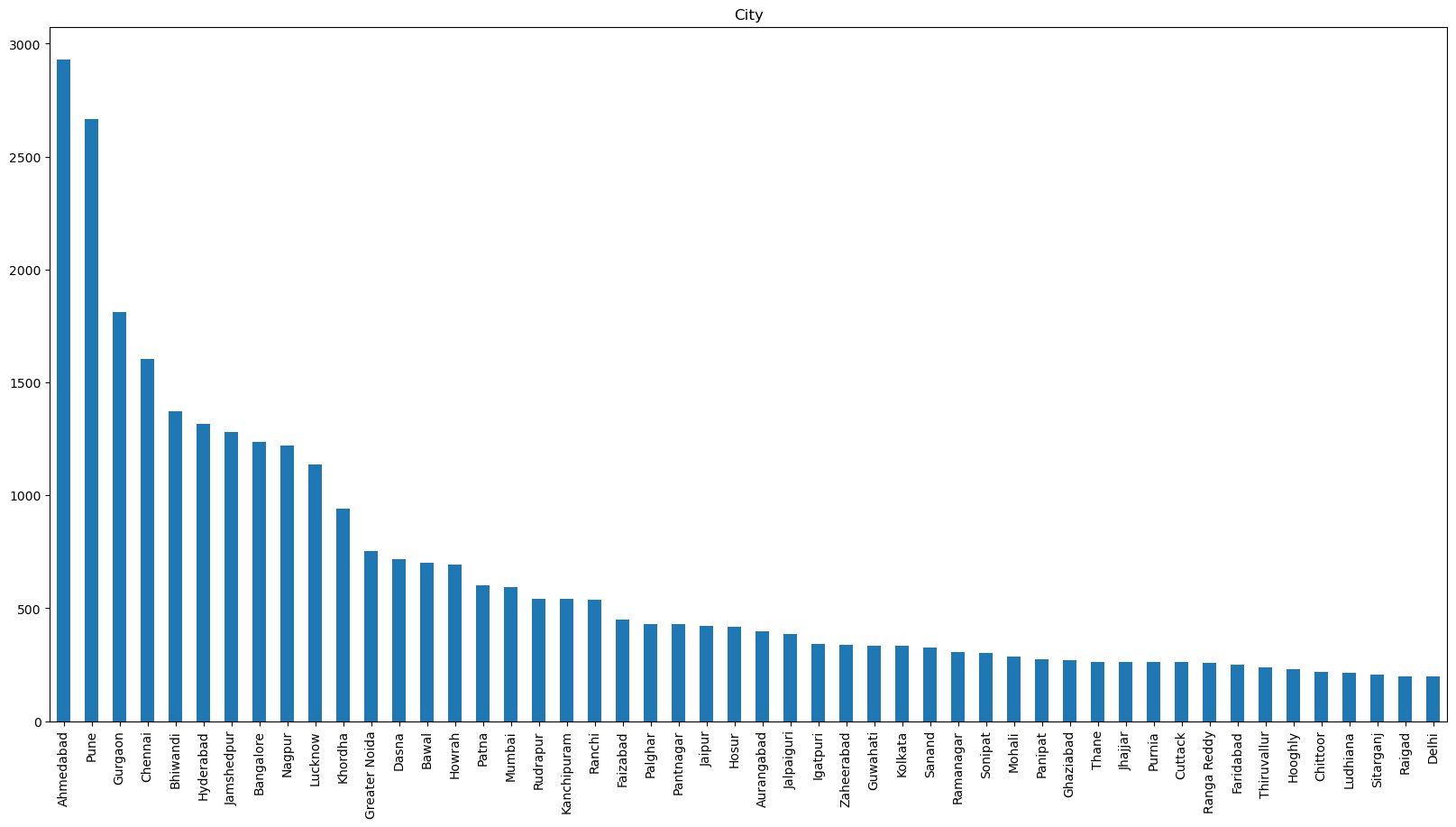
* Four regions
* West and south are mostly followed than North and East.

**BP TYPE column:**



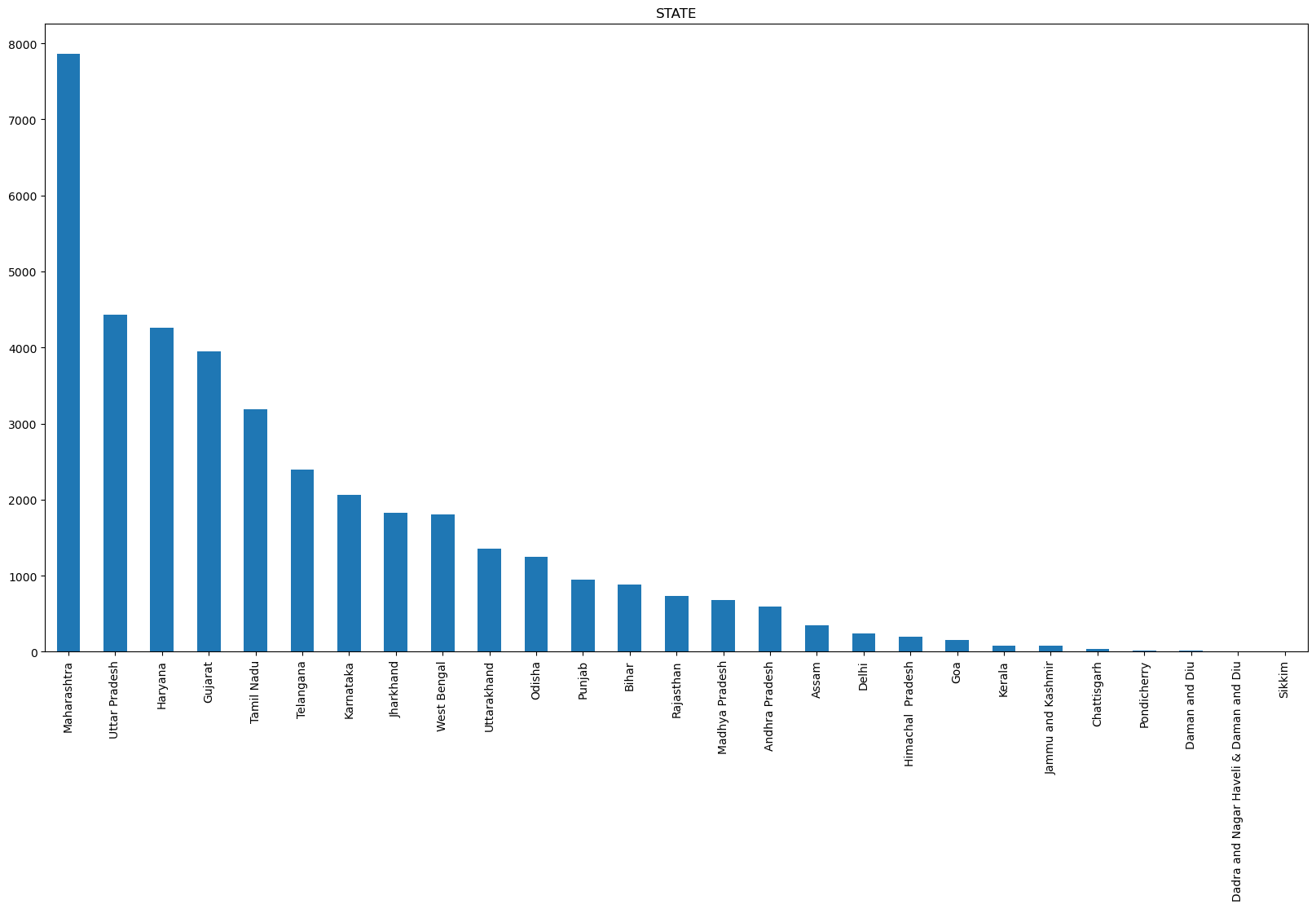
* Rental is the majority and trail done very rarely.

**City column:**

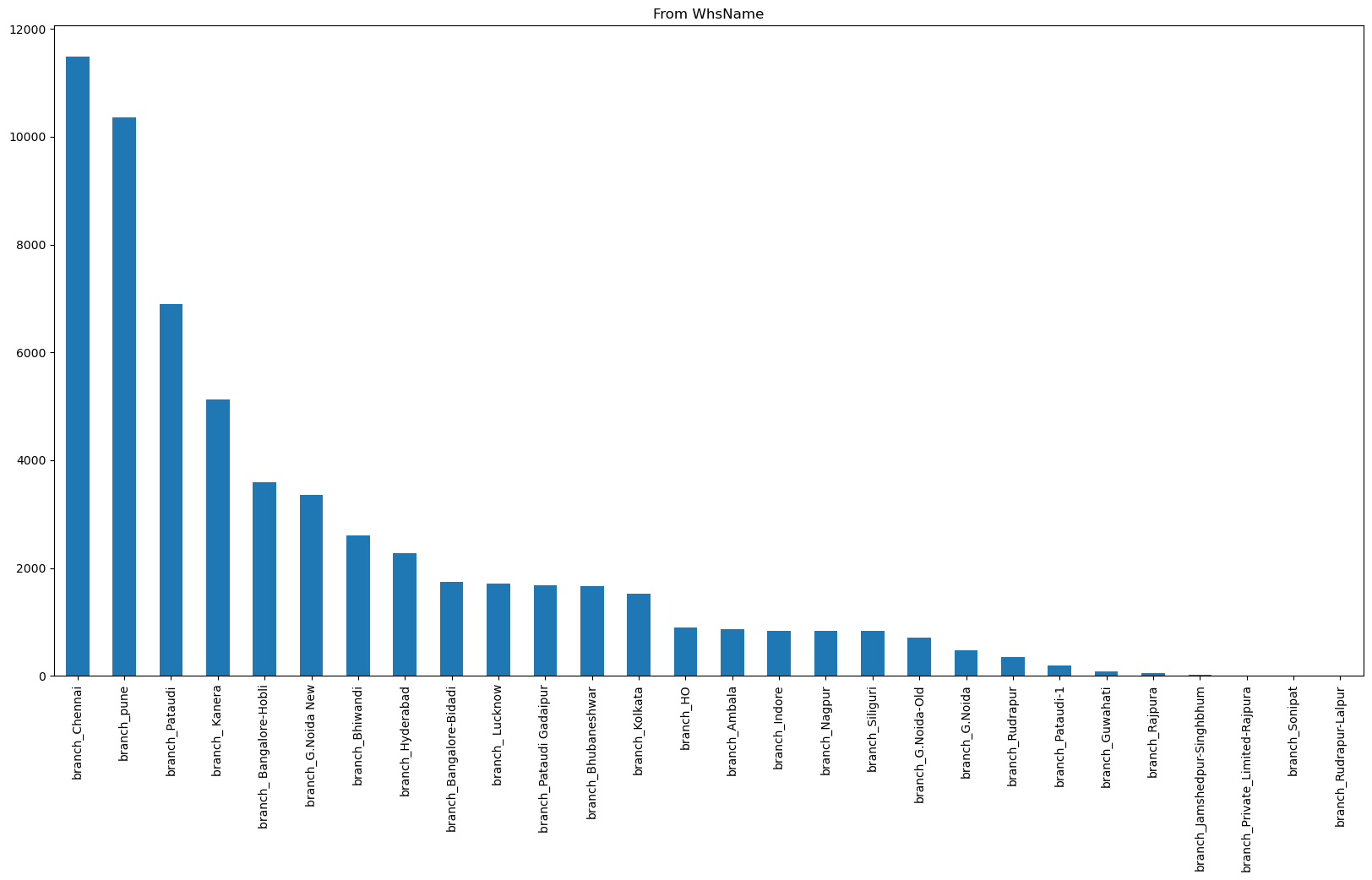


* 330 cities are there.
* These are the top 50 cities.

**State column:**



* 28 states are there

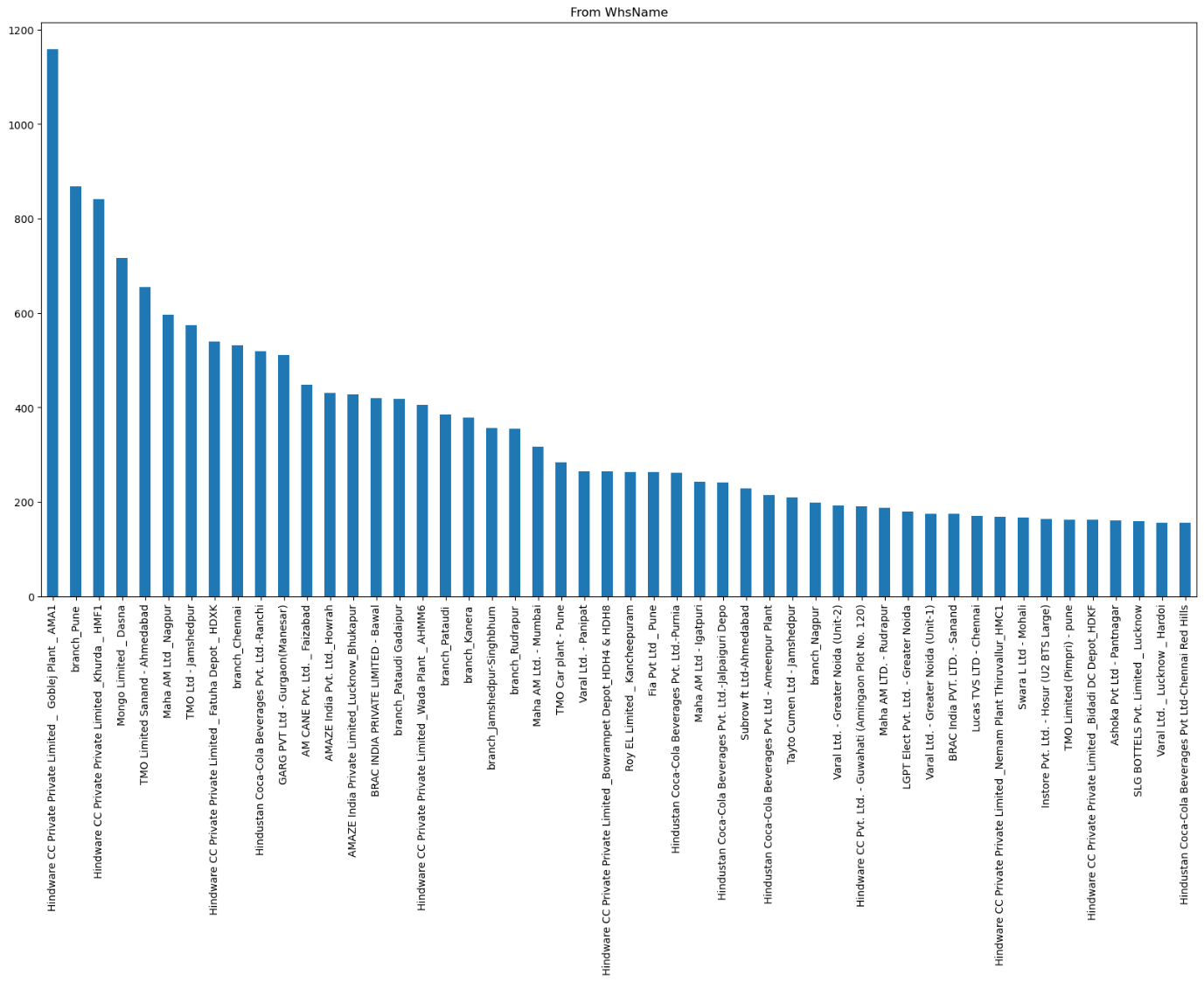
**from whs Name column:**

* 1939 from warehouses are there.

**from whs code column:**

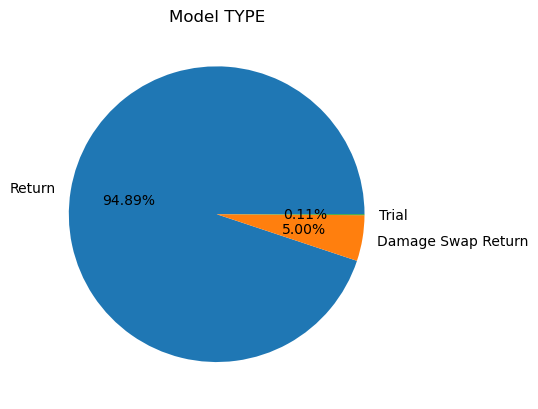
* 48 unqiue from warehouses codes are there.

**To whs Name column:**



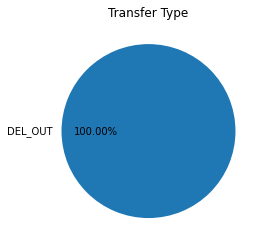
* 1939 To warehouses are there
* Top 50 To ware are shown.

**Model Type column:**

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* Three model types Dehire, return swamp and trial.
* Dehire – return is 94.89% damage swap is very less of 5.0%, trail is 0.005%.

**Transfer Type column:**

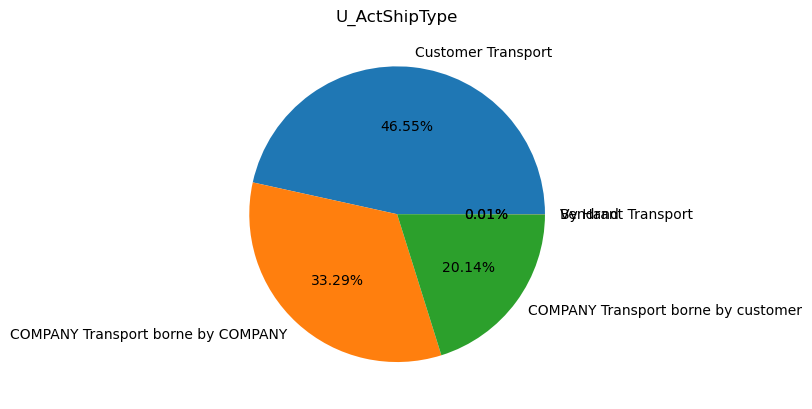
****

* Delivery out happened all the times.
* There is no such variation in transfer type.

**U\_Frt column:**

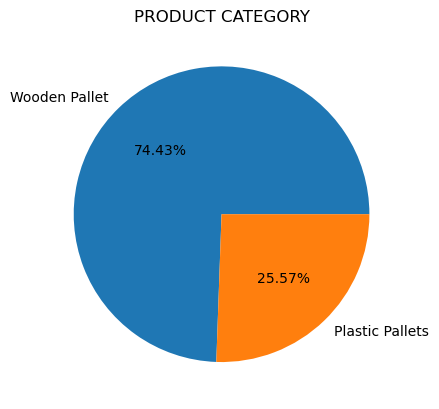
* Avg U\_Frt: 1537.7

**U\_ActShipType column:**

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* There are 3 U\_ActShipType.
* Company Transport borne by company is more followed by company transport borne by customer, customer transport.
* Other two are very few.

**Product category column:**

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* There are 2 product categories wooden and plastic pallets.
* Wooden Pallets are more manufactured 74.43% and plastic pallets are 25.57%.

**Item Code column:**

* 43 unique items are present.

**NUMBER OF ORDERS PLACED column:**

* On an average 127 orders are placed by a customer.

**DESCRIPTION**

* There are 42 Descriptions of products.
* All Descriptions are shown.
* There size of pallets most oftenly manufactured.

WP 1210 1200 x 1000 x 157 PL Pallet SW 0.334095

WP 1200 x 1000 E Pallet SW 0.260486

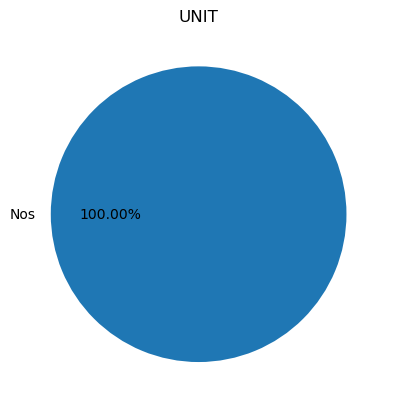
SFLC PP 1200 X 800

**Quantity column:**

Average Quantity received by the customer **-122.28**

The quantities is in negative values so it is again multiplied by -1

**Unit column:**

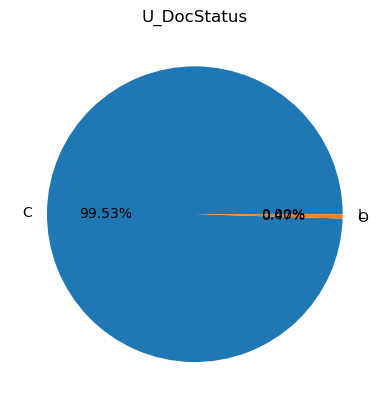
****

* Unit is given by nos. and it represents the number of quantities.

**Rate column:**

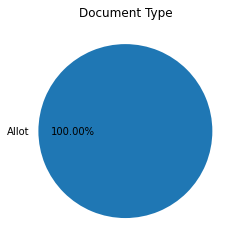
* Avg. rate is 2026.9

**U\_Docstatus column:**

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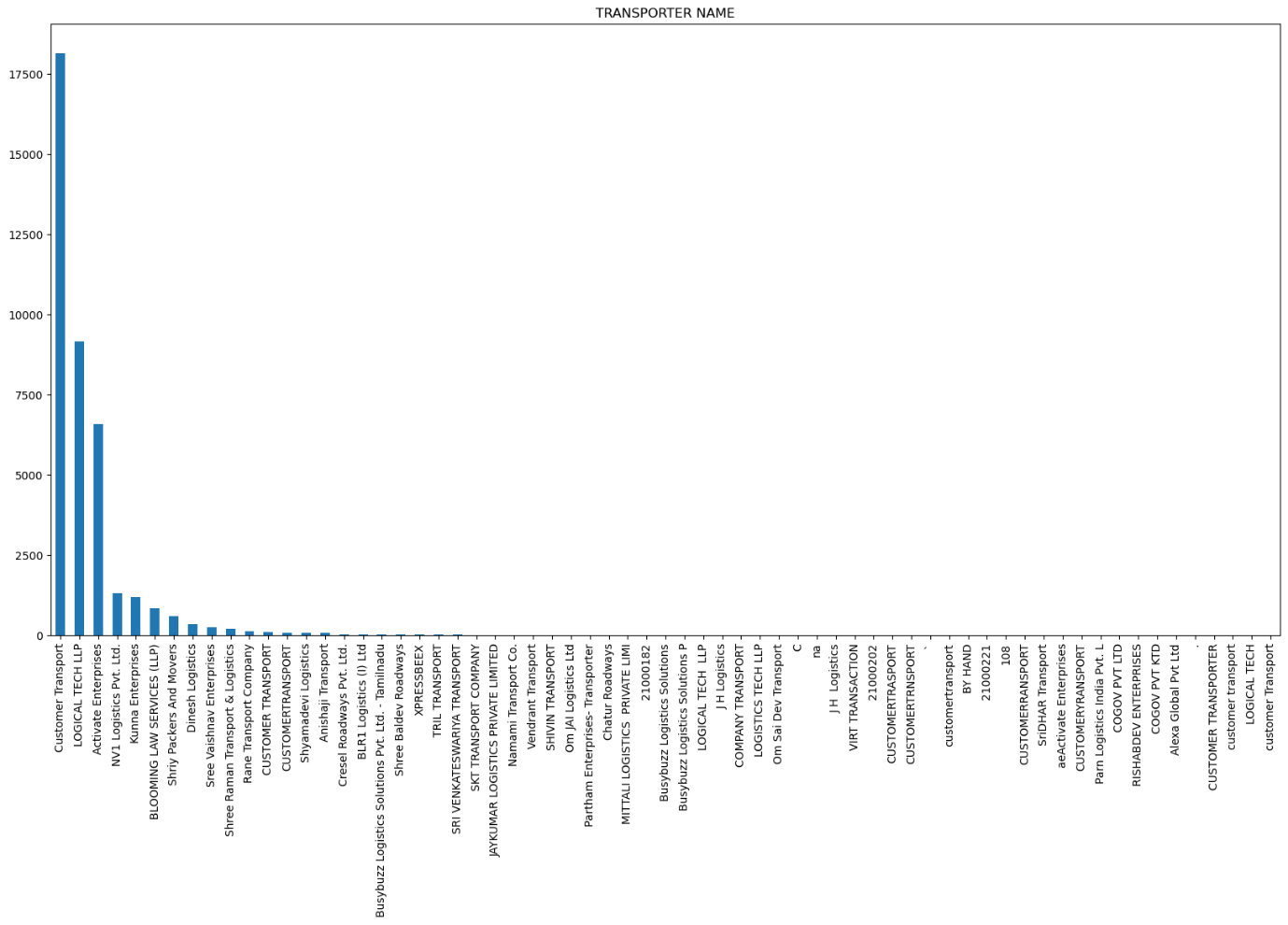
* C and O are two document status
* C happened most of the times and there is no such variation in this column.

**Document Type column:**

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* Allot is the only document.

**Transporter Name:**

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* 53 transporters are there

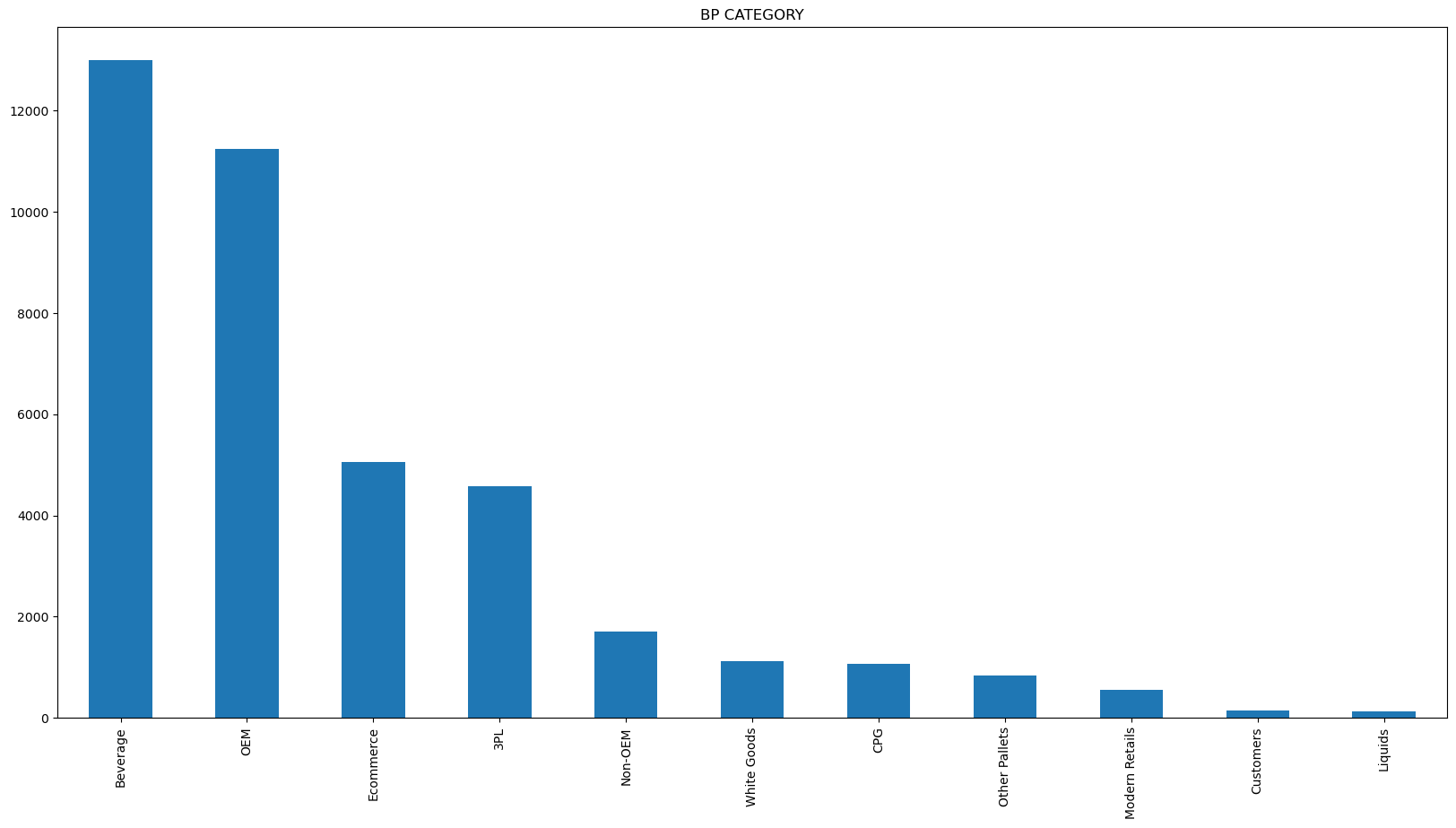
**Major transport**

Major transport

Customer Transport 0.460404

LOGICAL TECH LLP 0.232219

Activate Enterprises 0.167035

**BP\_category column: **

**Major Bp categories are**

Beverage 0.329883

OEM 0.285200

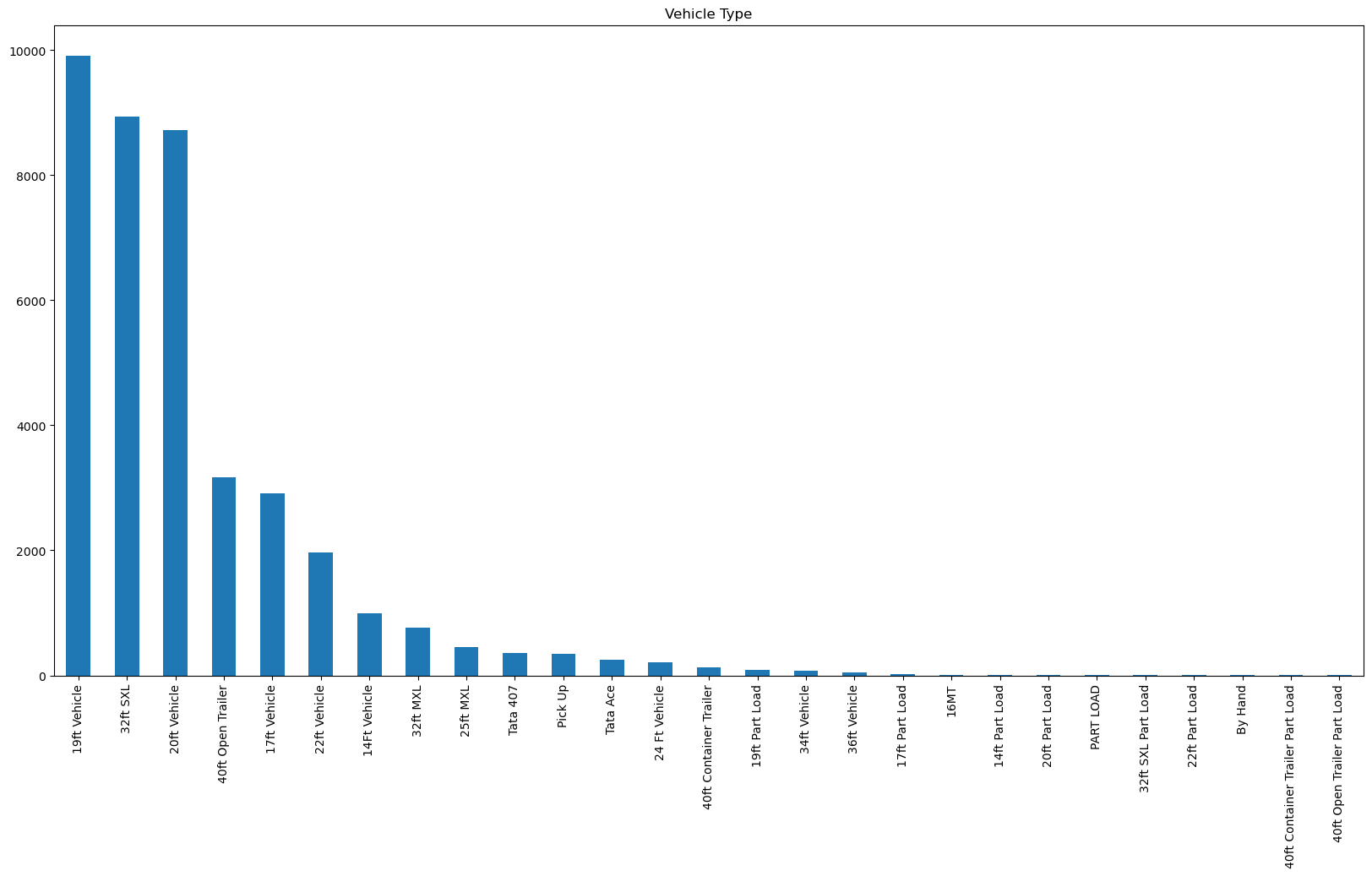
Ecommerce 0.128061

3PL 0.116084

**U\_so type column:**

* Rent is the most happened and the rest is near zero.

**Vehicle Type column:**

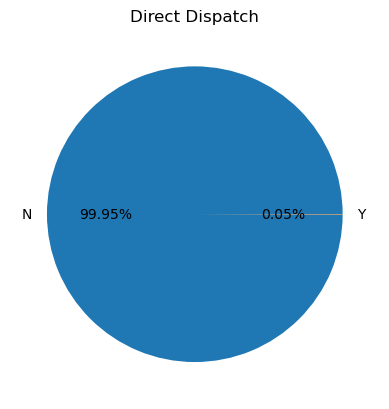
****

* 27 unique vehicles are there

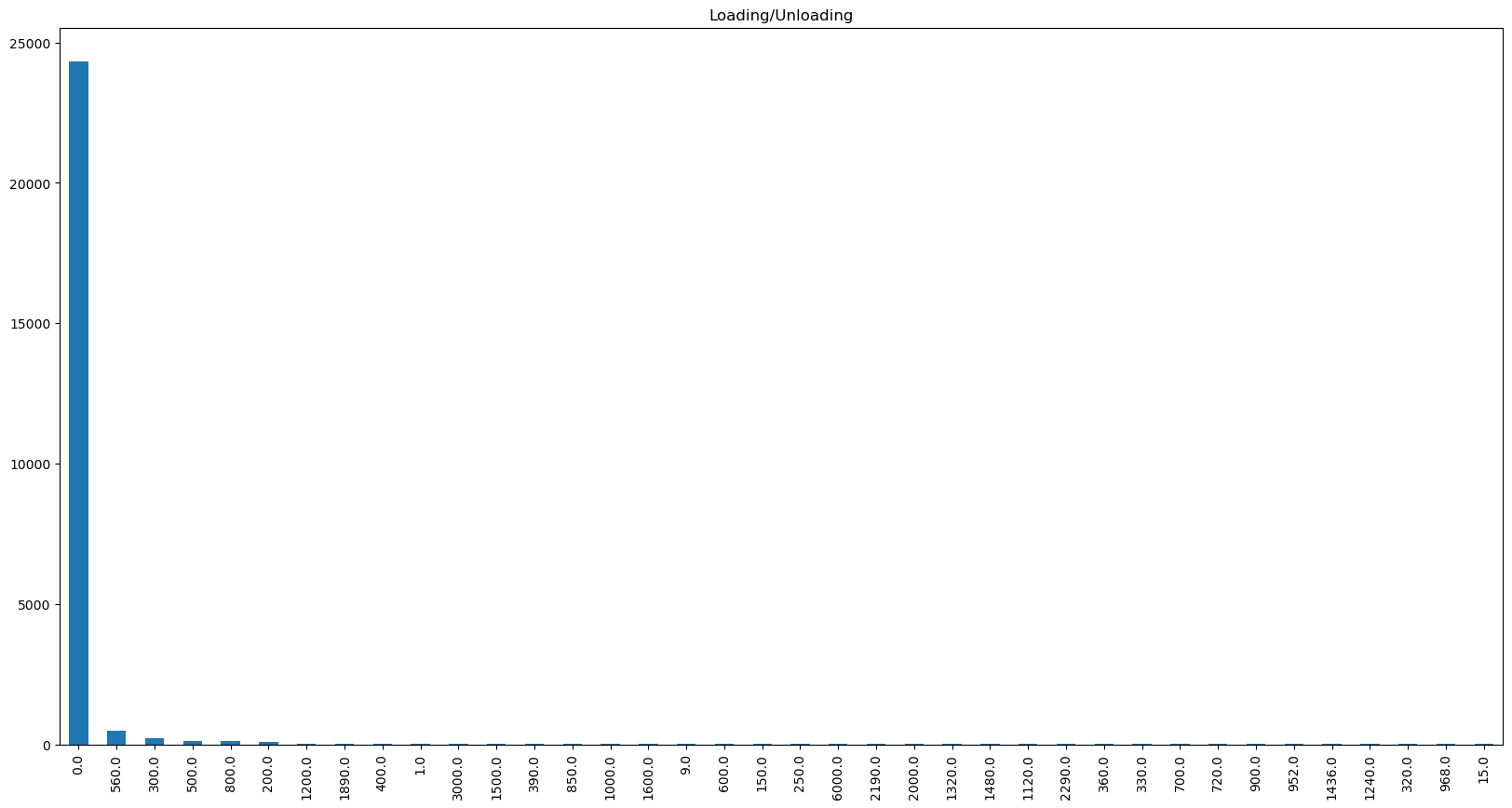
**Major vehicles**

* 19ft Vehicle 0.258297
* 20ft Vehicle 0.249472
* 32ft SXL 0.159944
* 17ft Vehicle 0.116385
* 40ft Open Trailer 0.058433

**Direct dispatch column:**

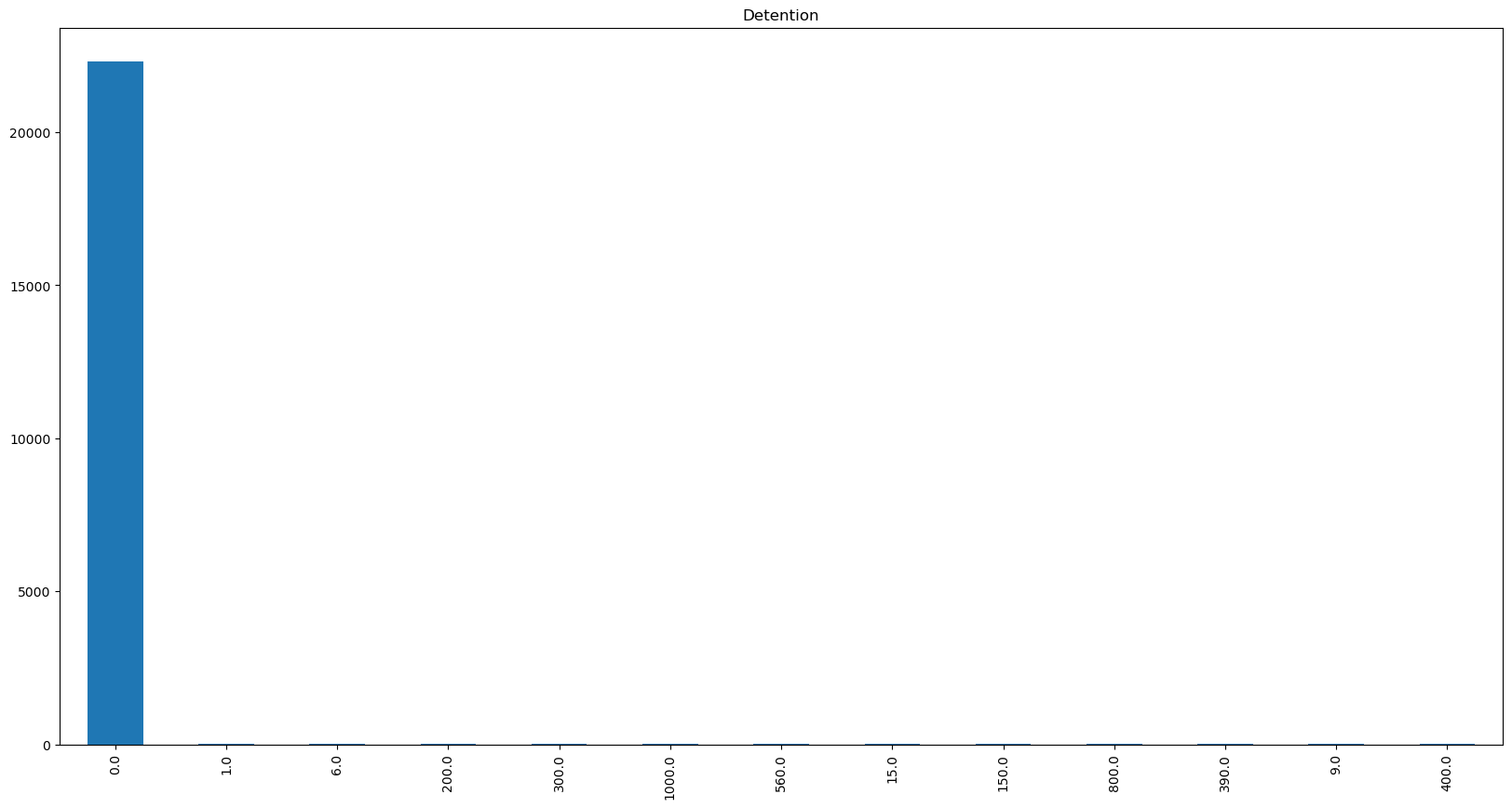
****

* N happened most of the time.
* Y happened to be the least.

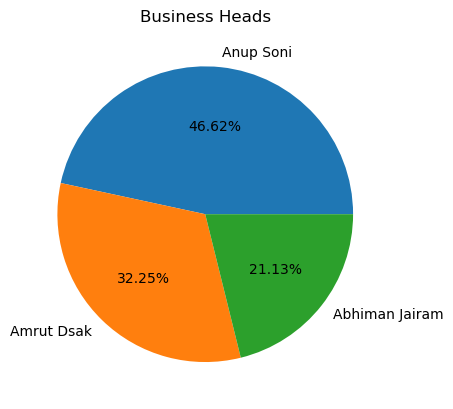
**Loading/unloading column: **

* loading/unloading doesn't happen most of the times.

**Detention**

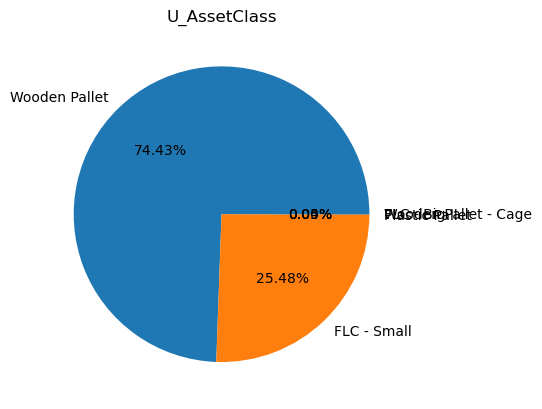
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**Business head column:**

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* Total 3 business heads.

U\_AssetClass



Wooden Pallet 0.744291

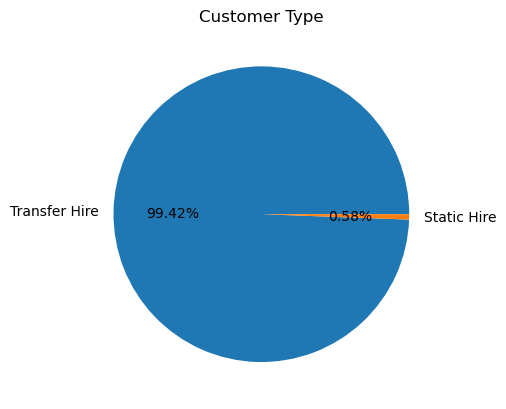
FLC - Small 0.254821

Plastic Pallet 0.000457

FLC - Big 0.000381

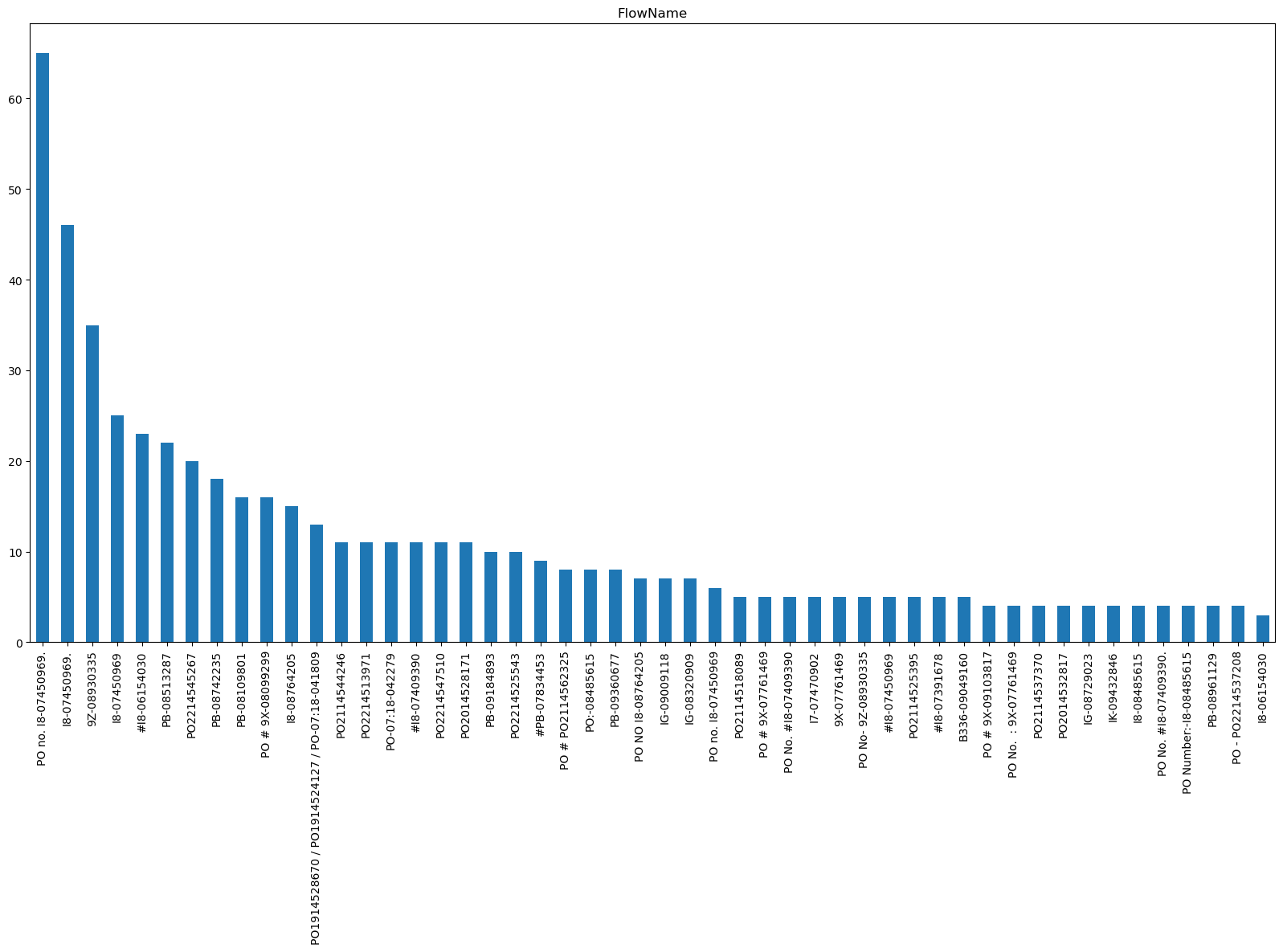
Wooden Pallet - Cage 0.000025

**Customer Type column:**

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* Two types of customers.
* Transfer hire is the majority followed by static hire

**Flow Name**



* There are unique flow names 1926