Data Estructure

```
##  [1] mve_gkey              t_put               to_pos_name
##  [4] move_kind             t_dispatch          fm_pos_locid
##  [7] fm_pos_name           to_pos_locid        dist_start
## [10] dist_carry            t_carry_dispatch    t_fetch
## [13] t_discharge           rehandle_count      twin_fetch
## [16] twin_carry            twin_put            pow
## [19] che_fetch_login_name che_carry_login_name che_put_login_name
## [22] inv_unit_id           category            goods_and_ctr_wt_kg
## [25] freight_kind          requires_power      ufv_gkey
## [28] last_pos_loctype      time_in             time_out
## [31] arrive_pos_loctype    nominal_length      bizunit_id
## [34] full_name             period              year_
## [37] month_                day_
## <0 rows> (or 0-length row.names)


## 'data.frame':    1556389 obs. of  34 variables:
##  $ mve_gkey           : int  209729950 209730018 209730033 209730049 209730054 209730094 209730107 2
##  $ t_put              : chr  "2023-03-21 11:01:20" "2023-03-21 11:01:30" "2023-03-21 11:01:32" "2023-
##  $ to_pos_name        : chr  "T-9024-1" "T-9024-4" "V-NAD6965-381084" "T-9024-6" ...
##  $ move_kind          : chr  "DLVR" "DLVR" "LOAD" "DLVR" ...
##  $ t_dispatch         : chr  "" "" "2023-03-21 10:46:12" "" ...
##  $ fm_pos_locid       : chr  "QUAYST" "QUAYST" "QUAYST" "QUAYST" ...
##  $ fm_pos_name        : chr  "Y-QUAYST-MJL" "Y-QUAYST-MJL" "Y-QUAYST-F153N1" "Y-QUAYST-MJL" ...
##  $ to_pos_locid       : chr  "9024" "9024" "NAD6965" "9024" ...
##  $ dist_start         : num  0 0 346 0 37 138 370 869 276 97 ...
##  $ dist_carry         : num  0 0 332 0 203 439 316 883 264 12 ...
##  $ t_carry_dispatch   : chr  "" "" "2023-03-21 10:46:12" "" ...
##  $ t_fetch            : chr  "" "" "2023-03-21 10:47:45" "" ...
##  $ t_discharge        : chr  "" "" "" "" ...
##  $ rehandle_count     : num  0 0 0 0 0 0 0 0 0 0 ...
##  $ twin_fetch         : num  0 0 0 0 0 0 0 0 0 0 ...
##  $ twin_carry         : num  0 0 0 0 0 0 0 0 0 0 ...
##  $ twin_put           : num  0 0 0 0 0 0 0 0 0 0 ...
##  $ pow                : chr  "" "" "FCR_J" "" ...
##  $ inv_unit_id        : chr  "CRSU1301520" "CXDU1769454" "MRSU6496189" "CRSU1328449" ...
##  $ category           : chr  "IMPRT" "IMPRT" "EXPRT" "IMPRT" ...
##  $ goods_and_ctr_wt_kg: int  2250 2250 3900 2250 26700 27600 9900 2180 16935 10541 ...
##  $ freight_kind       : chr  "MTY" "MTY" "MTY" "MTY" ...
##  $ requires_power     : int  0 0 0 0 0 1 0 0 0 0 ...
##  $ last_pos_loctype   : chr  "TRUCK" "TRUCK" "VESSEL" "TRUCK" ...
##  $ time_in            : chr  "2023-03-19 15:56:41" "2023-03-19 15:56:27" "2023-03-20 08:18:20" "2023-
##  $ time_out           : chr  "2023-03-21 11:01:46" "2023-03-21 11:01:46" "2023-03-21 23:22:00" "2023-
##  $ arrive_pos_loctype : chr  "VESSEL" "VESSEL" "TRUCK" "VESSEL" ...
##  $ nominal_length     : chr  "NOM20" "NOM20" "NOM40" "NOM20" ...
##  $ bizunit_id         : chr  "MAT" "MAT" "MSK" "MAT" ...
##  $ full_name          : chr  "" "" "STRAD 85" "" ...
##  $ period             : chr  "2023-03-21 00:00:00" "2023-03-21 00:00:00" "2023-03-21 00:00:00" "2023-
##  $ year_              : int  2023 2023 2023 2023 2023 2023 2023 2023 2023 2023 ...
##  $ month_             : int  3 3 3 3 3 3 3 3 3 3 ...
##  $ day_               : int  21 21 21 21 21 21 21 21 21 21 ...
```

Years and months Provided

```
##
##              1      2      3      4      5      6      7      8      9     10
##    2023      0      0  48469 119118 130357 117371 126145 141478 128756 136310
##    2024 124659 132980  86200      0      0      0      0      0      0      0
##
##             11     12
##    2023 139411 125135
##    2024      0      0
```

Categorical Data

ID's Column Name	Description
nominal_length	Container size that could be 20, 40, 45, and 10
arrive_pos_loctype	Type of location arrival
last_pos_loctype	Last position's type where the container was fetched from, elated to fm_pos_locid

category

Name Category	Description
IMPRT	Import
EXPRT	Export
STRGE	Storage
TRSHP	When a box comes off a vessel and goes on another vessel
THRGH	When a box leaves on the same vessel it came on, it just went through

move_kind

Name Category	Description
DLVR	Delivery
LOAD	Load
YARD	Yard Move
SHFT	Yard Shift
RECV	Receival
RLOD	Rail load
OTHR	Other
RDSC	Rail Discharge
DSCH	Discharge
SHOB	Shift O.B

freight_kind

Name Category	Description
MTY	Empty
FCL	Full Container Load

Binary Variables

ID's Column Name	Description
requires_power	Container deigned to be transported as temperature sensitive cargo and the temperatures associated with them are precisely controlled
twin_fetch	Pairs of containers that were able be twin fetched
twin_carry	Pairs of containers that can able be twin carried
twin_put	time when the whole chain of events related to a container_visit_gkey is completed (**TO DOUBLE CHECK**)

Dates

ID's Column Name	Description.
t_put	It is the time completed
t_dispatch	This is the time when a container is dispatched somewhere like on a vessel or on truck
t_carry_dispatch	**Unsure about this one, need to be double checked**
t_fetch	Datetime when the container was fetched
t_discharge	Datetime when the container is left in a certain position after being fetched (which could be twin_fetched)
time_in	Datetime when the container arrives at the port. In case of stranships this field could also indicate change of category from storage to export
time_out	It is associated with each stage, if a container was tranship and it changed from import to storage to export, each stage would have a time_out.

Numerical Data

Name Category	Description
rehandle_count	How many times a container was rehandled. NOT needless
goods_and_ctr_wt_kg	Total weight goods and container (Container weight and Goods weight)
dist_start	Distance where the container started to ve moved, related to dist_carry (Need to be verified)
dist_carry	Distance the container was carried during the move would be correlated to distance it started at (Need to be verified)

Identifiers

ID's Column Name	Description
mve_gkey	Unique identifier for each move
fm_pos_locid	FROM Position location id associated with fm_pos_name
fm_pos_name	Name of the location associated with fm_pos_locid
to_pos_locid	TO Position location associated with to_pos_name
to_pos_name.	Name of the location associated with to_pos_locid
inv_unit_id	Container ID, same even if revisit the port
bizunit_id	Line operator's ID.