# test area

**Table of contents**

## load

```
🐍 3.12.9 | 📦 matplotlib_venn: 0.11.10 | 📦 dataframe_image: 0.2.7 | 📦 plotly: 6.2.0 | 📦 kaleido: 1.0.0 | 📦 seaborn: 0.13.2 | 📦 pandas: 2.3.1
| 📦 numpy: 1.26.4 | 📦 duckdb: 1.3.2 | 📦 pandas-plots: 0.19.6 | 📦 connection-helper: 0.13.1
True
```

## pls

### bars

[z_first_treatment_after_days] by [z_kkr_label], n=1_687 (67_247)



[z_first_treatment_after_days] by [z_kkr_label], NULL excluded, n=1_687)
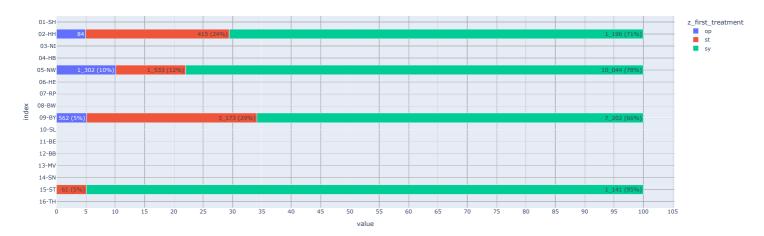
ci(95) on medians



| | z_kkr_label | z_first_treatment | z_first_treatment_after_days |
|---|---|---|---|
| 0 | 02-HH | op | 0 |
| 1 | 05-NW | sy | 54 |
| 2 | 09-BY | st | 196 |
| 3 | 05-NW | op | 19 |
| 4 | 02-HH | op | 0 |
| ... | ... | ... | ... |
| 656 | 02-HH | op | 0 |

|  | z_kkr_label | z_first_treatment | z_first_treatment_after_days |
|---|---|---|---|
| **657** | 05-NW | op | 0 |
| **658** | 15-ST | sy | 37 |
| **659** | 09-BY | sy | 71 |
| **660** | 09-BY | sy | 46 |

661 rows × 3 columns

### [z_kkr_label] by [z_first_treatment], n=48 (26_713)
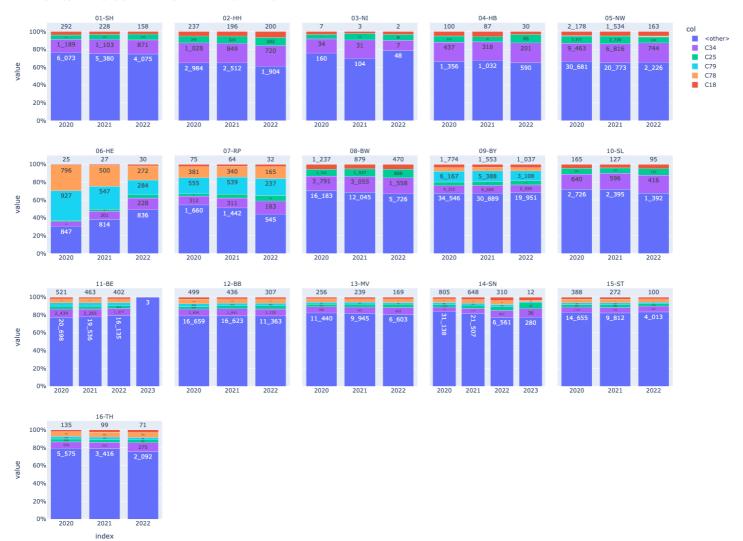


|  | z_dy | tu | z_kkr_label | cnt |
|---|---|---|---|---|
| **0** | 2020 | 06 | 13-MV | 1 |
| **1** | 2020 | 30 | 13-MV | 1 |
| **2** | 2020 | ### | 13-MV | 21 |
| **3** | 2020 | 18 | 11-BE | 1 |
| **4** | 2020 | 18. | 13-MV | 1 |
| **...** | ... | ... | ... | ... |
| **16352** | 2023 | S37 | 14-SN | 1 |
| **16353** | 2023 | S72 | 11-BE | 1 |
| **16354** | 2023 | Z22 | 14-SN | 1 |
| **16355** | 2023 | Z85 | 14-SN | 1 |
| **16356** | 2023 | Z96 | 14-SN | 1 |
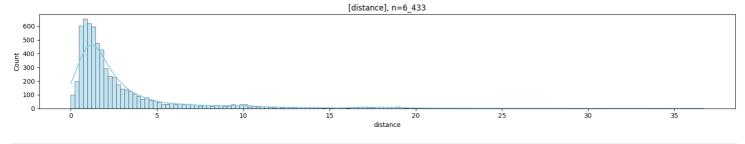
16357 rows × 4 columns

```
z_dy             int64
tu               object
z_kkr_label      object
cnt              int64
dtype: object
```

[z_dy] TOP 5 [tu] [z_kkr_label] , n=16_357 (600_156)

**col**
- <other>
- C34
- C25
- C79
- C78
- C18

## histo

[distance], n=6_433

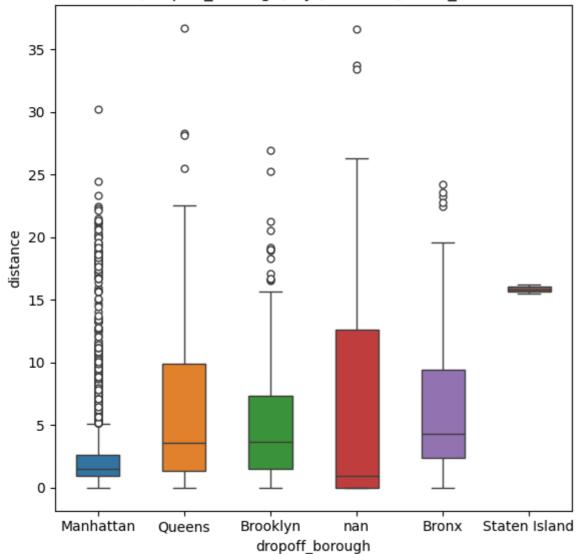| column | count | min | lower | q25 | median | mean | q75 | upper | max | std | cv | sum | skew | kurto |
|--------|-------|-----|-------|-----|--------|------|-----|-------|-----|-----|-----|-----|------|-------|
| distance | 6_433.000 | 0.000 | 0.000 | 0.980 | 1.640 | 3.025 | 3.210 | 6.550 | 36.700 | 3.828 | 1.266 | 19_457.360 | 3.008 | 11.135 |

## box

```
    dropoff_borough  distance
0         Manhattan      1.60
1         Manhattan      0.79
2         Manhattan      1.37
3         Manhattan      7.70
4         Manhattan      2.16
...             ...       ...
6428      Manhattan      0.75
6429          Bronx     18.74
6430       Brooklyn      4.14
6431       Brooklyn      1.12
6432       Brooklyn      3.85

[6433 rows x 2 columns]
```
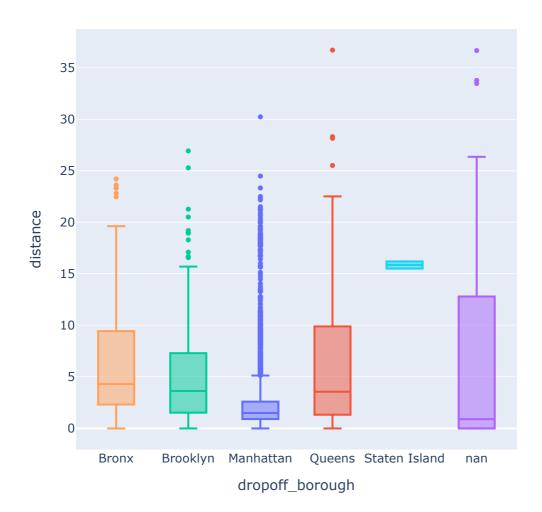
## [dropoff_borough] by [distance], n=6_433



```
column   | count    | min  | lower | q25  | median | mean | q75  | upper | max   | std  | cv   | sum       | skew | kurto
---------+----------+------+-------+------+--------+------+------+-------+-------+------+------+-----------+------+------
distance | 6_433.00 | 0.00 | 0.00  | 0.98 | 1.64   | 3.02 | 3.21 | 6.55  | 36.70 | 3.83 | 1.27 | 19_457.36 | 3.01 | 11.13

column        | count    | min   | lower | q25   | median | mean  | q75   | upper | max   | std   | cv   | sum       | skew  | kurto
--------------+----------+-------+-------+-------+--------+-------+-------+-------+-------+-------+------+-----------+-------+------
Bronx         | 137.00   | 0.00  | 0.00  | 2.36  | 4.31   | 6.61  | 9.44  | 19.62 | 24.20 | 5.95  | 0.90 | 905.88    | 1.30  | 0.88
Brooklyn      | 501.00   | 0.00  | 0.00  | 1.53  | 3.63   | 5.03  | 7.30  | 15.70 | 26.92 | 4.49  | 0.89 | 2_519.28  | 1.42  | 2.23
Manhattan     | 5_206.00 | 0.00  | 0.00  | 0.91  | 1.50   | 2.39  | 2.60  | 5.13  | 30.23 | 2.91  | 1.21 | 12_447.68 | 3.74  | 17.39
Queens        | 542.00   | 0.00  | 0.00  | 1.34  | 3.56   | 5.96  | 9.89  | 22.51 | 36.70 | 5.89  | 0.99 | 3_230.13  | 1.29  | 1.50
Staten Island | 2.00     | 15.51 | 15.51 | 15.68 | 15.86  | 15.86 | 16.03 | 16.20 | 16.20 | 0.49  | 0.03 | 31.71     | -0.00 | -2.00
nan           | 45.00    | 0.00  | 0.00  | 0.00  | 0.90   | 7.17  | 12.60 | 26.35 | 36.66 | 10.71 | 1.49 | 322.68    | 1.45  | 0.86
```

# [dropoff_borough] by [distance], n=6_433



```
column   | count    | min  | lower | q25  | median | mean | q75  | upper | max   | std  | cv   | sum       | skew | kurto
---------+----------+------+-------+------+--------+------+------+-------+-------+------+------+-----------+------+------
distance | 6_433.00 | 0.00 | 0.00  | 0.98 | 1.64   | 3.02 | 3.21 | 6.55  | 36.70 | 3.83 | 1.27 | 19_457.36 | 3.01 | 11.13

column        | count    | min   | lower | q25   | median | mean  | q75   | upper | max   | std   | cv   | sum       | skew  | kurto
--------------+----------+-------+-------+-------+--------+-------+-------+-------+-------+-------+------+-----------+-------+------
Bronx         | 137.00   | 0.00  | 0.00  | 2.36  | 4.31   | 6.61  | 9.44  | 19.62 | 24.20 | 5.95  | 0.90 | 905.88    | 1.30  | 0.88
Brooklyn      | 501.00   | 0.00  | 0.00  | 1.53  | 3.63   | 5.03  | 7.30  | 15.70 | 26.92 | 4.49  | 0.89 | 2_519.28  | 1.42  | 2.23
Manhattan     | 5_206.00 | 0.00  | 0.00  | 0.91  | 1.50   | 2.39  | 2.60  | 5.13  | 30.23 | 2.91  | 1.21 | 12_447.68 | 3.74  | 17.39
Queens        | 542.00   | 0.00  | 0.00  | 1.34  | 3.56   | 5.96  | 9.89  | 22.51 | 36.70 | 5.89  | 0.99 | 3_230.13  | 1.29  | 1.50
Staten Island | 2.00     | 15.51 | 15.51 | 15.68 | 15.86  | 15.86 | 16.03 | 16.20 | 16.20 | 0.49  | 0.03 | 31.71     | -0.00 | -2.00
nan           | 45.00    | 0.00  | 0.00  | 0.00  | 0.90   | 7.17  | 12.60 | 26.35 | 36.66 | 10.71 | 1.49 | 322.68    | 1.45  | 0.86
```

**pie**

#test lol, payment, n=6_433

cash

28.4%

71.6%

credit card

**join**

[fare] vs [passengers], n=6_433

passengers

fare

**sankey**

```
--- Using demo data (data_demo) ---
   tumor-id diagnosis date treatment
0         1    2020-01-01        op
1         1    2021-02-01      syst
2         1    2022-03-01        op
3         1    2023-04-01       rad
4         1    2024-05-01        op
5         2    2010-01-01      syst
6         2    2011-02-01        st
7         2    2012-03-01        op
8         2    2013-04-01       rad
9         3    2015-01-01        op
10        3    2016-02-01       rad
11        3    2017-03-01      syst
12        3    2018-04-01        op
13        4    2005-01-01        st
14        4    2006-02-01      syst
15        4    2007-03-01        op
16        5    2019-01-01        op
17        5    2020-02-01       rad
18        6    2021-01-01      syst
19        6    2022-02-01        op
20        7
21        7
22        8    2025-01-01        op
23        9    2025-02-01        op
24       10    2025-03-01      syst
25       11    2025-04-01       rad
26       12    2025-05-01        op
----------------------------------
```

[tumor-id] over [treatment], n=12 id (26 events)
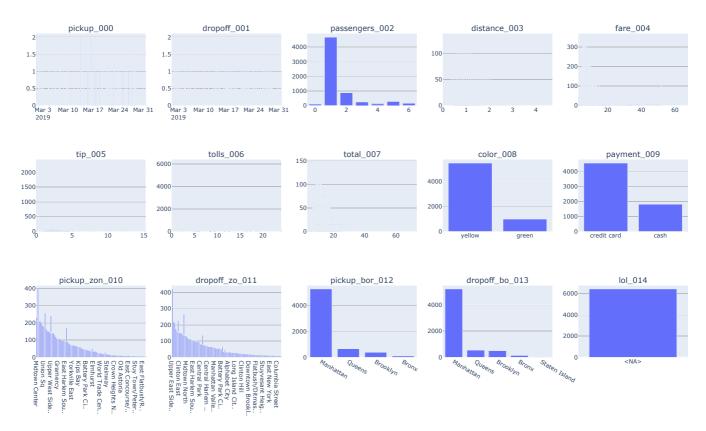


## tbl

### print_summary()

```
column     |   count |   min | lower |   q25 | median |   mean |   q75 | upper |    max |    std |   cv |       sum | skew |  kurto
-----------+---------+-------+-------+-------+--------+--------+-------+-------+--------+--------+------+-----------+------+-------
passengers | 6_433.000 | 0.000 | 0.000 | 1.000 | 1.000  | 1.539  | 2.000 | 3.000 | 6.000  | 1.204  | 0.782 | 9_902.000 | 2.359 | 4.881
distance   | 6_433.000 | 0.000 | 0.000 | 0.980 | 1.640  | 3.025  | 3.210 | 6.550 | 36.700 | 3.828  | 1.266 | 19_457.360 | 3.008 | 11.135
fare       | 6_433.000 | 1.000 | 1.000 | 6.500 | 9.500  | 13.091 | 15.000 | 27.540 | 150.000 | 11.552 | 0.882 | 84_214.870 | 3.217 | 17.649
tip        | 6_433.000 | 0.000 | 0.000 | 0.000 | 1.700  | 1.979  | 2.800 | 6.960 | 33.200 | 2.449  | 1.237 | 12_732.320 | 2.665 | 12.740
tolls      | 6_433.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.325  | 0.000 | 0.000 | 24.020 | 1.415  | 4.351 | 2_092.480 | 5.074 | 35.442
total      | 6_433.000 | 1.300 | 1.300 | 10.800 | 14.160 | 18.518 | 20.300 | 34.550 | 174.820 | 13.816 | 0.746 | 119_124.970 | 3.093 | 15.053
```

### describe_df()

```
🔵 *** df: <unknown> ***
🟣 shape: (6_433, 15)
🟣 duplicates: 0
🟠 column stats numeric

column     |   count |   min | lower |   q25 | median |   mean |   q75 | upper |    max |    std |   cv |       sum | skew |  kurto
-----------+---------+-------+-------+-------+--------+--------+-------+-------+--------+--------+------+-----------+------+-------
passengers | 6_433.000 | 0.000 | 0.000 | 1.000 | 1.000  | 1.539  | 2.000 | 3.000 | 6.000  | 1.204  | 0.782 | 9_902.000 | 2.359 | 4.881
distance   | 6_433.000 | 0.000 | 0.000 | 0.980 | 1.640  | 3.025  | 3.210 | 6.550 | 36.700 | 3.828  | 1.266 | 19_457.360 | 3.008 | 11.135
fare       | 6_433.000 | 1.000 | 1.000 | 6.500 | 9.500  | 13.091 | 15.000 | 27.540 | 150.000 | 11.552 | 0.882 | 84_214.870 | 3.217 | 17.649
tip        | 6_433.000 | 0.000 | 0.000 | 0.000 | 1.700  | 1.979  | 2.800 | 6.960 | 33.200 | 2.449  | 1.237 | 12_732.320 | 2.665 | 12.740
tolls      | 6_433.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.325  | 0.000 | 0.000 | 24.020 | 1.415  | 4.351 | 2_092.480 | 5.074 | 35.442
total      | 6_433.000 | 1.300 | 1.300 | 10.800 | 14.160 | 18.518 | 20.300 | 34.550 | 174.820 | 13.816 | 0.746 | 119_124.970 | 3.093 | 15.053
```

| | pickup | dropoff | passengers | distance | fare | tip | tolls | total | color | payment | pickup_zone | dropoff_zone | pickup_borough | dropoff_borough | lol |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2019-03-23 20:21:09 | 2019-03-23 20:27:24 | 1 | 1.60 | 7.0 | 2.15 | 0.0 | 12.95 | yellow | credit card | Lenox Hill West | UN/Turtle Bay South | Manhattan | Manhattan | NaN |
| 1 | 2019-03-04 16:11:55 | 2019-03-04 16:19:00 | 1 | 0.79 | 5.0 | 0.00 | 0.0 | 9.30 | yellow | cash | Upper West Side South | Upper West Side South | Manhattan | Manhattan | NaN |
| 2 | 2019-03-27 17:53:01 | 2019-03-27 18:00:25 | 1 | 1.37 | 7.5 | 2.36 | 0.0 | 14.16 | yellow | credit card | Alphabet City | West Village | Manhattan | Manhattan | NaN |

Charts: pickup_000, dropoff_001, passengers_002, distance_003, fare_004, tip_005, tolls_006, total_007, color_008, payment_009, pickup_zon_010, dropoff_zo_011, pickup_bor_012, dropoff_bo_013, lol_014

## descr_db()

```
delay    1_687, 3
   ("z_kkr_label, z_first_treatment_after_days, z_first_treatment")
```

| z_kkr_label<br>varchar | z_first_treatment_after_days<br>int32 | z_first_treatment<br>varchar |
|---|---:|---|
| 09-BY | 63 | st |
| 05-NW | 37 | sy |
| 07-RP | 0 | op |

```
is_print: True
```
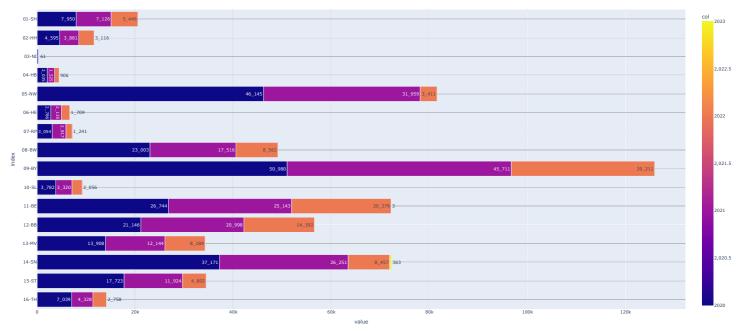
|  | id | bl | label | cnt |
|---|---|---|---|---|
| 0 | 0 | 01-SH | 7 - Histologie Primärtumor | 14351 |
| 1 | 22 | 01-SH | 3 - Todesbescheinigung (DCO) | 1004 |
| 2 | 23 | 01-SH | 5 - Zytologie | 146 |
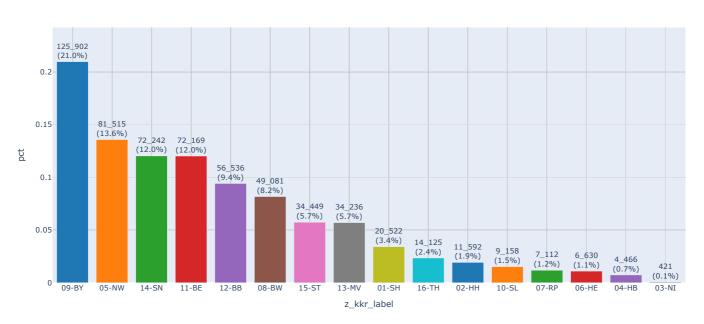
[bl] by [label], n=160 (188_481)

[z_kkr_label] by TOP10 [z_dy], n=50 (600_156)
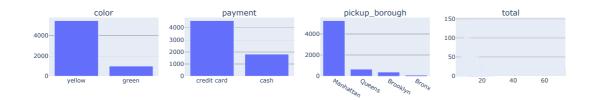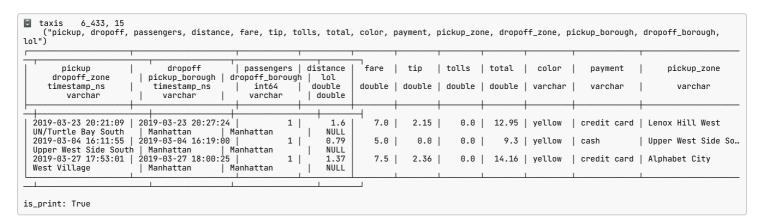


[cnt] by [z_kkr_label], n=16_357 (600_156)



```
🔵 *** df: taxis ***
🟣 shape: (6_433, 4)
🟣 duplicates: 4_803
🟠 column stats all (dtype | uniques | missings) [values]
- index [0, 1, 2, 3, 4,]
- color (object | 2 | 0 (0%)) ['green', 'yellow',]
- payment (object | 3 | 44 (1%)) ['<NA>', 'cash', 'credit card',]
- pickup_borough (object | 5 | 26 (0%)) ['<NA>', 'Bronx', 'Brooklyn', 'Manhattan', 'Queens',]
- total (float64 | 898 | 0 (0%)) [1.3, 3.3, 3.31, 3.8, 4.3,]
🟠 column stats numeric
```

| column | count | min | lower | q25 | median | mean | q75 | upper | max | std | cv | sum | skew | kurto |
|--------|-------|-----|-------|-----|--------|------|-----|-------|-----|-----|-----|-----|------|-------|
| total | 6_433.000 | 1.300 | 1.300 | 10.800 | 14.160 | 18.518 | 20.300 | 34.550 | 174.820 | 13.816 | 0.746 | 119_124.970 | 3.093 | 15.053 |

|   | color | payment | pickup_borough | total |
|---|-------|---------|----------------|-------|
| 0 | yellow | credit card | Manhattan | 12.95 |
| 1 | yellow | cash | Manhattan | 9.30 |
| 2 | yellow | credit card | Manhattan | 14.16 |

```
 taxis    6_433, 15
     ("pickup, dropoff, passengers, distance, fare, tip, tolls, total, color, payment, pickup_zone, dropoff_zone, pickup_borough, dropoff_borough,
lol")

    ┌──────────────────────┬──────────────────────┬────────────┬──────────┬────────┬────────┬────────┬────────┬─────────┬─────────────┬─────────────────┐
    │       pickup         │      dropoff         │ passengers │ distance │  fare  │  tip   │ tolls  │ total  │  color  │   payment   │   pickup_zone   │
    │    dropoff_zone       │  │ pickup_borough  │ dropoff_borough │  lol  │        │        │        │        │         │             │                 │
    │   timestamp_ns        │    timestamp_ns      │   int64    │  double  │ double │ double │ double │ double │ varchar │   varchar   │     varchar     │
    │     varchar           │      varchar         │   varchar  │  double  │        │        │        │        │         │             │                 │
    ├──────────────────────┼──────────────────────┼────────────┼──────────┼────────┼────────┼────────┼────────┼─────────┼─────────────┼─────────────────┤
    │ 2019-03-23 20:21:09  │ 2019-03-23 20:27:24  │      1     │   1.6    │  7.0   │  2.15  │  0.0   │  12.95 │ yellow  │ credit card │ Lenox Hill West │
    │ UN/Turtle Bay South  │  Manhattan  │ Manhattan │   NULL   │        │        │        │        │         │             │                 │
    │ 2019-03-04 16:11:55  │ 2019-03-04 16:19:00  │      1     │   0.79   │  5.0   │  0.0   │  0.0   │   9.3  │ yellow  │ cash        │ Upper West Side So…│
    │ Upper West Side South│ Manhattan   │ Manhattan │   NULL   │        │        │        │        │         │             │                 │
    │ 2019-03-27 17:53:01  │ 2019-03-27 18:00:25  │      1     │   1.37   │  7.5   │  2.36  │  0.0   │  14.16 │ yellow  │ credit card │ Alphabet City   │
    │ West Village         │ Manhattan   │ Manhattan │   NULL   │        │        │        │        │         │             │                 │
    └──────────────────────┴──────────────────────┴────────────┴──────────┴────────┴────────┴────────┴────────┴─────────┴─────────────┴─────────────────┘

is_print: True
```

## show num

| payment | cash | credit card | nan | Total |
|---|---|---|---|---|
| **color** | | | | |
| **green** | 3_995 (4.7%) 🟥 | 9_774 (11.6%) 🟥 | 20 (0.0%) 🟩 | 13_788 (16.4%) 🟥 |
| **yellow** | 17_012 (20.2%) 🟥 | 52_907 (62.8%) 🟥 | 508 (0.6%) 🟨 | 70_427 (83.6%) 🟥 |

| payment | nan | cash | credit card | Total |
|---|---|---|---|---|
| **color** | | | | |
| **green** | 20 (0.0%) 🟥 | 3_995 (4.7%) 🟥 | 9_774 (11.6%) 🟥 | 13_788 (16.4%) 🟥 |
| **yellow** | 508 (0.6%) 🟩 | 17_012 (20.2%) 🟩 | 52_907 (62.8%) 🟩 | 70_427 (83.6%) 🟩 |
| **Total** | 528 (0.6%) ⬜ | 21_006 (24.9%) ⬜ | 62_681 (74.4%) ⬜ | 84_215 (100.0%) ⬜ |

| | distance | fare | tip | tolls | Total |
|---|---|---|---|---|---|
| **0** | 1.600 (2.0%) | 7.000 (8.7%) | 2.150 (2.7%) | 0 | 10.750 (13.3%) |
| **1** | 0.790 (1.0%) | 5.000 (6.2%) | 0 | 0 | 5.790 (7.2%) |
| **2** | 1.370 (1.7%) | 7.500 (9.3%) | 2.360 (2.9%) | 0 | 11.230 (13.9%) |
| **3** | 7.700 (9.5%) | 27.000 (33.4%) | 6.150 (7.6%) | 0 | 40.850 (50.5%) |
| **4** | 2.160 (2.7%) | 9.000 (11.1%) | 1.100 (1.4%) | 0 | 12.260 (15.2%) |
| **Total** | 13.620 (16.8%) | 55.500 (68.6%) | 11.760 (14.5%) | 0 | 80.880 (100.0%) |

## venn

```
ab ⟶ cars1 | cars2 ⟶ len: 7
```

taxis | 2025-10-09

3(43%)　　　　1(14%)　　　　3(43%)

a: cars1(4)　　　　　　　　　b: cars2(4)

```
abc ⟶ cars1 | cars2 | cars3 ⟶ len: 11
ab ⟶ cars1 | cars2 ⟶ len: 7
ac ⟶ cars1 | cars3 ⟶ len: 8
bc ⟶ cars2 | cars3 ⟶ len: 9
```

taxis | 2025-10-09

a: cars1(4)　　　　　　　　　　b: cars2(4)

2(18%)

0(0%)

3(27%)

1(9%)

1(9%)

0(0%)

4(36%)

c: cars3(6)

## hlp

```
0      2019-03-23 20:21:09
1      2019-03-04 16:11:55
2      2019-03-27 17:53:01
```

```
3       2019-03-10 01:23:59
4       2019-03-30 13:27:42
           ...
6428    2019-03-31 09:51:53
6429    2019-03-31 17:38:00
6430    2019-03-23 22:55:18
6431    2019-03-04 10:09:25
6432    2019-03-13 19:31:22
Name: pickup, Length: 6433, dtype: datetime64[ns]
```

pat

| z_pat_id | z_sex | z_age | z_ag05 | Verstorben | Geburtsdatum | Geburtsdatum_Genauigkeit | DatumVitalStatus | DatumVitalStatus_Genauigkeit |
|---|---|---|---|---|---|---|---|---|
| varchar | varchar | double | varchar | varchar | date | varchar | date | varchar |
| 450b0462-3c82-411a-ab33-9ed13286a58d | W | 83.25 | a80b84 | N | 1939-12-15 | T | 2023-06-15 | T |

tod

| TodesursacheId | Code | Version | IsGrundleiden |
|---|---|---|---|
| varchar | varchar | varchar | boolean |
| 0 rows | | | |

tum1

| z_kkr_label | z_icd10 | Diagnosedatum | Diagnosedatum_Genauigkeit | z_tum_op_count | z_tum_st_count | z_tum_sy_count | z_tum_fo_count | z_first_treatment | z_first_treatment_after_days |
|---|---|---|---|---|---|---|---|---|---|
| varchar | varchar | date | varchar | int16 | int16 | int16 | int16 | varchar | int32 |
| 15-ST | C44.2 | 2023-03-15 | T | 5 | 0 | 0 | 5 | op | 0 |

tum2

| z_event_order | z_events | Anzahl_Tage_Diagnose_Tod | z_period_diag_death_day | DatumPSA | z_period_diag_psa_day | z_last_tum_status | z_class_hpv | z_tum_order |
|---|---|---|---|---|---|---|---|---|
| varchar | varchar | int32 | int32 | date | int64 | varchar | varchar | int8 |
| op-fo-op-fo-op-fo | op\|fo | NULL | NULL | NULL | NULL | V - Vollremission (complete) | NULL | 5 |

op

| OPId | Intention | Lokale_Beurteilung_Residualstatus | Anzahl_Tage_Diagnose_OP | Datum_OP | Datum_OP_Genauigkeit | z_period_diag_op_day | z_op_order |
|---|---|---|---|---|---|---|---|
| varchar | varchar | varchar | int32 | date | varchar | int32 | int64 |
| b9336bec-c334-412d-93b5-79b8b23fba90 | K | R1 | 0 | 2023-03-15 | T | 0 | 1 |
| 17ed629d-0f14-4dbe-9d88-610ab6b2a291 | K | R1 | 1 | 2023-03-15 | T | 1 | 2 |
| da08a401-df47-4ae5-bfbc-67790d50bdfc | K | R1 | 29 | 2023-04-15 | T | 29 | 3 |
| a6b2e505-5d59-460c-a271-eafa9e392f18 | K | R1 | 50 | 2023-05-15 | T | 50 | 4 |
| ab1e8069-adf8-46aa-adcc-a4ffb8c00b75 | K | R0 | 78 | 2023-06-15 | T | 78 | 5 |

ops

| OPSId | Code | Version | OP_TypId |
|---|---|---|---|
| varchar | varchar | varchar | varchar |
| 52be54a2-a0a2-4ba9-a907-1d59506d9f5e | 5-182.0 | 2023 | ab1e8069-adf8-46aa-adcc-a4ffb8c00b75 |
| 6910a319-976a-4749-af8a-85f12864c473 | 5-925.24 | 2023 | ab1e8069-adf8-46aa-adcc-a4ffb8c00b75 |
| 1081731c-9595-41ac-9f31-90c1117fe47c | 5-181.1 | 2023 | da08a401-df47-4ae5-bfbc-67790d50bdfc |
| 93f1b8fe-df4f-4ab6-be4d-b0e217776797 | 5-903.54 | 2023 | 17ed629d-0f14-4dbe-9d88-610ab6b2a291 |
| 48e2ac46-268f-4cd3-9773-372f176a5afd | 5-182.1 | 2023 | a6b2e505-5d59-460c-a271-eafa9e392f18 |
| cb135ccc-7c90-4658-8a28-48d0e2bd830d | 5-181.1 | 2023 | b9336bec-c334-412d-93b5-79b8b23fba90 |
| 741c8ace-2bdd-4c40-a5b5-e3fac0a8c60b | 5-181.4 | 2023 | 17ed629d-0f14-4dbe-9d88-610ab6b2a291 |
| f58dd5f5-fd6c-481a-9fd7-069e6b0a99b2 | 5-916.74 | 2023 | b9336bec-c334-412d-93b5-79b8b23fba90 |

st

| STId | Intention | Stellung_OP |
|---|---|---|
| varchar | varchar | varchar |
| 0 rows | | |

be

| BestrahlungId | Anzahl_Tage_Diagnose_ST | Anzahl_Tage_ST_Dauer | Datum_Beginn_Bestrahlung | Datum_Beginn_Bestrahlung_Genauigkeit | STId | z_period_diag_bestr_day | z_bestr_order |
|---|---|---|---|---|---|---|---|

```
|     varchar       |        int32        |       int32        |      date       |       varchar        |   varchar   |
int32    |      int64     |
```

**0 rows**

app

| BestrahlungId | TypeOfST_TypBestrahlungApplikationsart | Seite_Zielgebiet | Interstitiell_endokavitaer | Rate_Type | Metabolisch_Typ | Radiochemo |
| Stereotaktisch | Atemgetriggert | CodeVersion2014 | CodeVersion2021 |
| varchar | varchar | varchar | varchar | varchar | varchar | varchar |
| varchar | varchar | varchar | varchar |

**0 rows**

syst

| SYSTId | Intention | Stellung_OP | Therapieart | Anzahl_Tage_Diagnose_SYST | Anzahl_Tage_SYST_Dauer | Datum_Beginn_SYST |
| Datum_Beginn_SYST_Genauigkeit | z_period_diag_syst_day | z_syst_order |
| varchar | varchar | varchar | varchar | int32 | int32 | date | varchar |
| int32 | int64 |

**0 rows**

fo

| FolgeereignisId | Gesamtbeurteilung_Tumorstatus | Verlauf_Lokaler_Tumorstatus | Verlauf_Tumorstatus_Lymphknoten |
| Verlauf_Tumorstatus_Fernmetastasen | Datum_Folgeereignis | Datum_Folgeereignis_Genauigkeit | z_fo_order | z_period_diag_fo_day |
| varchar | varchar | varchar | varchar |
| varchar | date | varchar | int64 | int32 |

| FolgeereignisId | Gesamtbeurteilung | Verlauf_Lokaler | Verlauf_Lymphknoten | Verlauf_Fernmetastasen | Datum | Datum_Genauigkeit | z_fo_order | z_period_diag_fo_day |
|---|---|---|---|---|---|---|---|---|
| 1e58d32d-06a5-4a06-bb2c-1aebe34eebf0 | T | T | K | K | 2023-03-15 | T | 1 | 0 |
| fbd74efe-266c-430c-90af-35d0627a6039 | T | T | K | K | 2023-03-15 | T | 2 | 0 |
| 13a7ccd4-9133-409d-a7fb-479162ca06ad | T | T | K | K | 2023-04-15 | T | 3 | 31 |
| 04ed157d-787b-419a-b563-b10b51cae6c6 | X | NULL | NULL | NULL | 2023-04-15 | T | 4 | 31 |
| 927c89f6-d53e-4783-bebc-2e1d75dc66e0 | V | K | K | K | 2023-06-15 | T | 5 | 92 |

fo_tnm

| TNMId | FolgeereignisId | Version | y_Symbol | r_Symbol | a_Symbol | c_p_u_Praefix_T | T |
| TNM_m_Symbol | c_p_u_Praefix_N | N | c_p_u_Praefix_M | M | L | V | Pn | S | UICC_Stadium |
| varchar | varchar | varchar | varchar | varchar | varchar | varchar | varchar |
| varchar | varchar | varchar | varchar | varchar | varchar | varchar | varchar | varchar | varchar |

| TNMId | FolgeereignisId | Version | y_Symbol | r_Symbol | a_Symbol | c_p_u_Praefix_T | T | TNM_m_Symbol | c_p_u_Praefix_N | N | c_p_u_Praefix_M | M | L | V | Pn | S | UICC_Stadium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13a7ccd4-9133-409d-a7fb-479162ca06ad | 13a7ccd4-9133-409d-a7fb-479162ca06ad | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |
| fbd74efe-266c-430c-90af-35d0627a6039 | fbd74efe-266c-430c-90af-35d0627a6039 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |
| 04ed157d-787b-419a-b563-b10b51cae6c6 | 04ed157d-787b-419a-b563-b10b51cae6c6 | Item8 | NULL | r | NULL | p | 1 | L0 | V0 | Pn0 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |
| 927c89f6-d53e-4783-bebc-2e1d75dc66e0 | 927c89f6-d53e-4783-bebc-2e1d75dc66e0 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |
| 1e58d32d-06a5-4a06-bb2c-1aebe34eebf0 | 1e58d32d-06a5-4a06-bb2c-1aebe34eebf0 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

fo_fm

| FolgeereignisId | FernmetastaseId | Lokalisation |
| varchar | varchar | varchar |

**0 rows**

fo_weitere

| WeitereKlassifikationId | Name | Stadium | FolgeereignisId |
| varchar | varchar | varchar | varchar |

**0 rows**

diag_fm

| FernmetastaseId | Lokalisation |
| varchar | varchar |

**0 rows**

diag_weitere

| WeitereKlassifikationId | Name | Stadium |
| varchar | varchar | varchar |

**0 rows**

```
['total', 'distance']
```

⏳ Adding datetime columns basing off of: dropoff

| | pickup | dropoff | passengers | distance | fare | tip | tolls | total | color | payment | ... | pickup_borough | dropoff_borough | lol | YYYY | MM | Q | YYYY-MM | YYYYQ | YYYY-WW | DDD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2019-03-23 20:21:09 | 2019-03-23 20:27:24 | 1 | 1.60 | 7.0 | 2.15 | 0.0 | 12.95 | yellow | credit card | ... | Manhattan | Manhattan | NaN | 2019 | 3 | 1 | 2019-03 | 2019Q1 | 2019-W12 | Sat |
| 1 | 2019-03-04 16:11:55 | 2019-03-04 16:19:00 | 1 | 0.79 | 5.0 | 0.00 | 0.0 | 9.30 | yellow | cash | ... | Manhattan | Manhattan | NaN | 2019 | 3 | 1 | 2019-03 | 2019Q1 | 2019-W10 | Mon |
| 2 | 2019-03-27 17:53:01 | 2019-03-27 18:00:25 | 1 | 1.37 | 7.5 | 2.36 | 0.0 | 14.16 | yellow | credit card | ... | Manhattan | Manhattan | NaN | 2019 | 3 | 1 | 2019-03 | 2019Q1 | 2019-W13 | Wed |
| 3 | 2019-03-10 01:23:59 | 2019-03-10 01:49:51 | 1 | 7.70 | 27.0 | 6.15 | 0.0 | 36.95 | yellow | credit card | ... | Manhattan | Manhattan | NaN | 2019 | 3 | 1 | 2019-03 | 2019Q1 | 2019-W10 | Sun |
| 4 | 2019-03-30 13:27:42 | 2019-03-30 13:37:14 | 3 | 2.16 | 9.0 | 1.10 | 0.0 | 13.40 | yellow | credit card | ... | Manhattan | Manhattan | NaN | 2019 | 3 | 1 | 2019-03 | 2019Q1 | 2019-W13 | Sat |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 6428 | 2019-03-31 09:51:53 | 2019-03-31 09:55:27 | 1 | 0.75 | 4.5 | 1.06 | 0.0 | 6.36 | green | credit card | ... | Manhattan | Manhattan | NaN | 2019 | 3 | 1 | 2019-03 | 2019Q1 | 2019-W13 | Sun |
| 6429 | 2019-03-31 17:38:00 | 2019-03-31 18:34:23 | 1 | 18.74 | 58.0 | 0.00 | 0.0 | 58.80 | green | credit card | ... | Queens | Bronx | NaN | 2019 | 3 | 1 | 2019-03 | 2019Q1 | 2019-W13 | Sun |
| 6430 | 2019-03-23 22:55:18 | 2019-03-23 23:14:25 | 1 | 4.14 | 16.0 | 0.00 | 0.0 | 17.30 | green | cash | ... | Brooklyn | Brooklyn | NaN | 2019 | 3 | 1 | 2019-03 | 2019Q1 | 2019-W12 | Sat |
| 6431 | 2019-03-04 10:09:25 | 2019-03-04 10:14:29 | 1 | 1.12 | 6.0 | 0.00 | 0.0 | 6.80 | green | credit card | ... | Brooklyn | Brooklyn | NaN | 2019 | 3 | 1 | 2019-03 | 2019Q1 | 2019-W10 | Mon |
| 6432 | 2019-03-13 19:31:22 | 2019-03-13 19:48:02 | 1 | 3.85 | 15.0 | 3.36 | 0.0 | 20.16 | green | credit card | ... | Brooklyn | Brooklyn | NaN | 2019 | 3 | 1 | 2019-03 | 2019Q1 | 2019-W11 | Wed |

6433 rows × 22 columns

```
[The most important themes of the draft referendum are:
1. Improving the use of health data for research and innovation particularly through
the establishment of a National Data Access Point;
2. Enhancing the coordination and networking of different stakeholders involved
in health data management;
3. Expanding the scope of the General Data Protection Regulation (GDPR) to cover all
areas of healthcare;
4. Providing better access to health data for patients and researchers including through
the development of a new law on health data protection;
5. Facilitating the exchange of health data between different countries and regions
particularly within the European Union (EU);
6. Ensuring that data are used in a way that promotes sustainable development and achieves
the United Nations Sustainable Development Goals (SDGs).]
```