

test area

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load

```
2 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: 0.20.7 | connection-helper: 0.13.1
```

pls

bars

	z_kkr_label	z_first_treatment	z_first_treatment_after_days
0	09-BY	sy	236
1	02-HH	op	0
2	05-NW	sy	30
3	05-NW	op	21
4	09-BY	st	278
...
656	09-BY	sy	78
657	09-BY	sy	35
658	09-BY	sy	17
659	05-NW	sy	22
660	05-NW	op	0

661 rows × 3 columns

	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

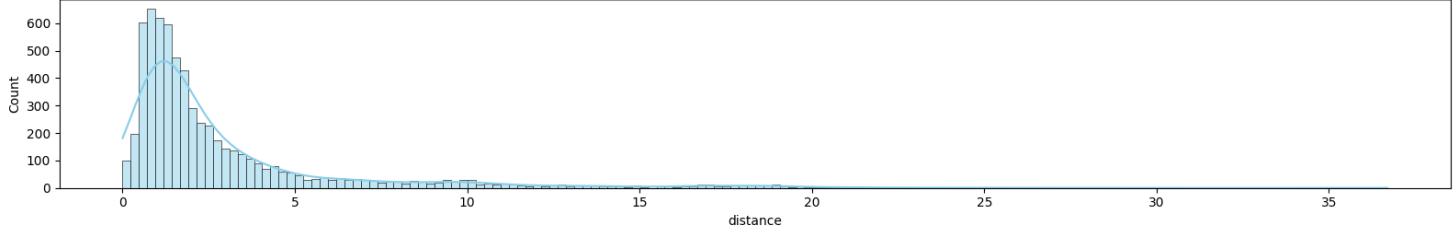
16357 rows × 4 columns

```
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)

**histo**

[distance], n=6_433



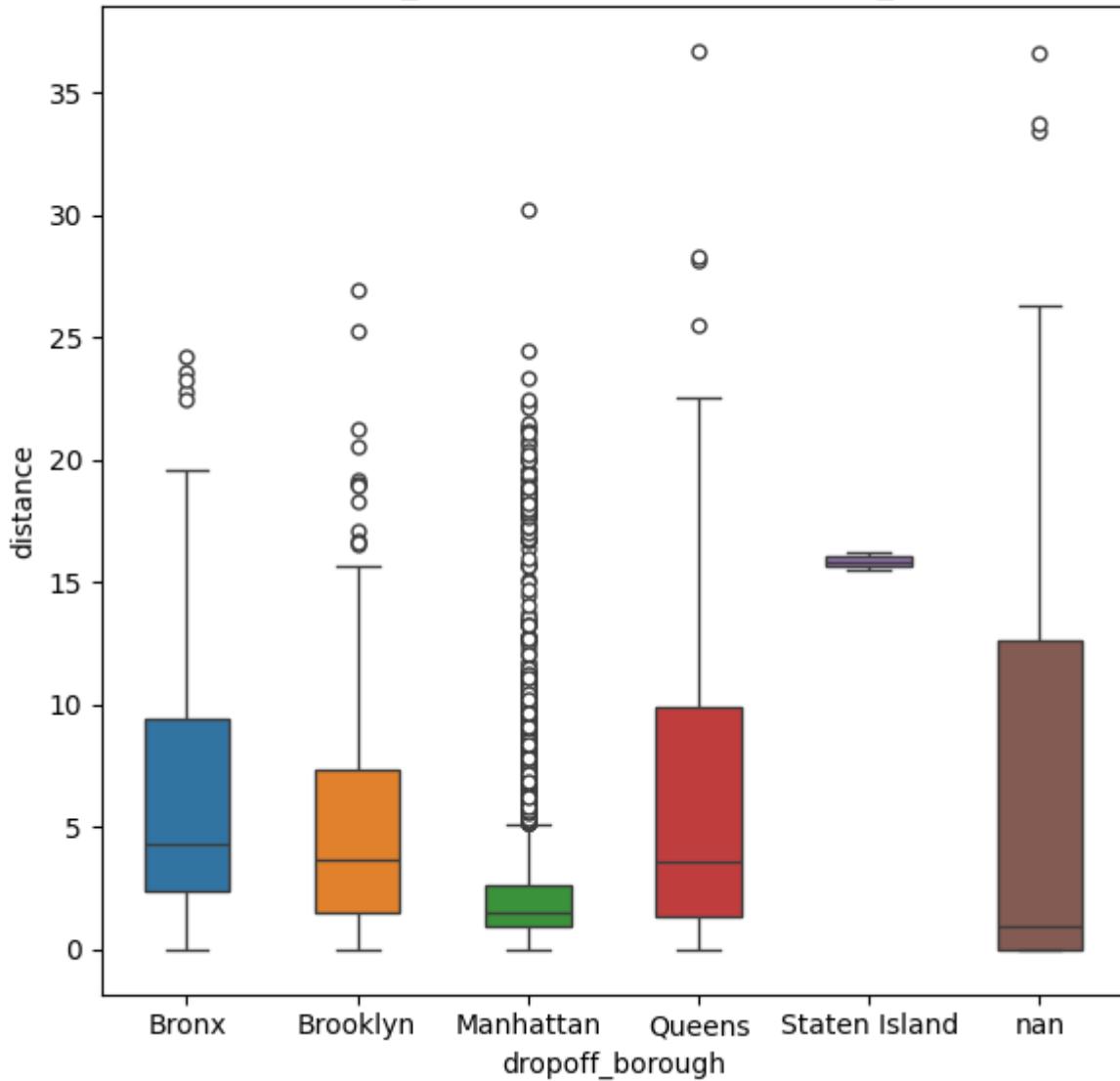
column	count	missings	min	lower	q25	median	mean	q75	upper	max	std	cv
distance	6_433	0 (0%)	0.000	0.000	0.980	1.640	3.025	3.210	6.550	36.700	3.828	1.266

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 | missings | min | lower | q25 | median | mean | q75 | upper | max | std | cv
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
distance | 6_433 | 0 (0%) | 0.00 | 0.00 | 0.98 | 1.64 | 3.02 | 3.21 | 6.55 | 36.70 | 3.83 | 1.27
```

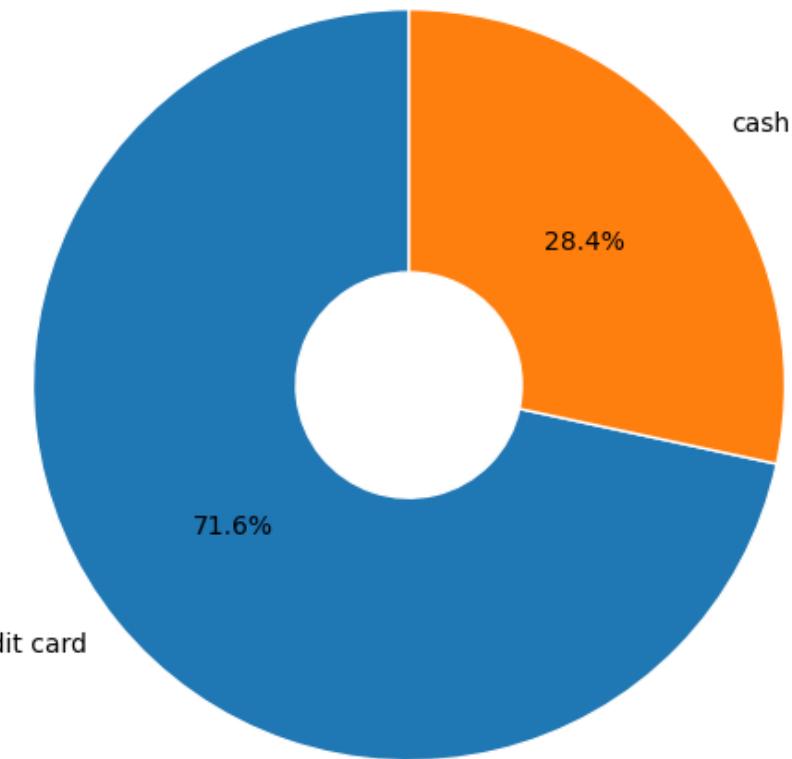
```
column | count | missings | min | lower | q25 | median | mean | q75 | upper | max | std | cv
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Bronx | 5_206 | 5_069 (97%) | 0.00 | 0.00 | 2.36 | 4.31 | 6.61 | 9.44 | 19.62 | 24.20 | 5.95 | 0.90
Brooklyn | 5_206 | 4_705 (90%) | 0.00 | 0.00 | 1.53 | 3.63 | 5.03 | 7.30 | 15.70 | 26.92 | 4.49 | 0.89
Manhattan | 5_206 | 0 (0%) | 0.00 | 0.00 | 0.91 | 1.50 | 2.39 | 2.60 | 5.13 | 30.23 | 2.91 | 1.21
Queens | 5_206 | 4_664 (90%) | 0.00 | 0.00 | 1.34 | 3.56 | 5.96 | 9.89 | 22.51 | 36.70 | 5.89 | 0.99
Staten Island | 5_206 | 5_204 (100%) | 15.51 | 15.51 | 15.68 | 15.86 | 15.86 | 16.03 | 16.20 | 16.20 | 0.49 | 0.03
nan | 5_206 | 5_161 (99%) | 0.00 | 0.00 | 0.00 | 0.90 | 7.17 | 12.60 | 26.35 | 36.66 | 10.71 | 1.49
```

```
column | count | missings | min | lower | q25 | median | mean | q75 | upper | max | std | cv
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
distance | 6_433 | 0 (0%) | 0.00 | 0.00 | 0.98 | 1.64 | 3.02 | 3.21 | 6.55 | 36.70 | 3.83 | 1.27
```

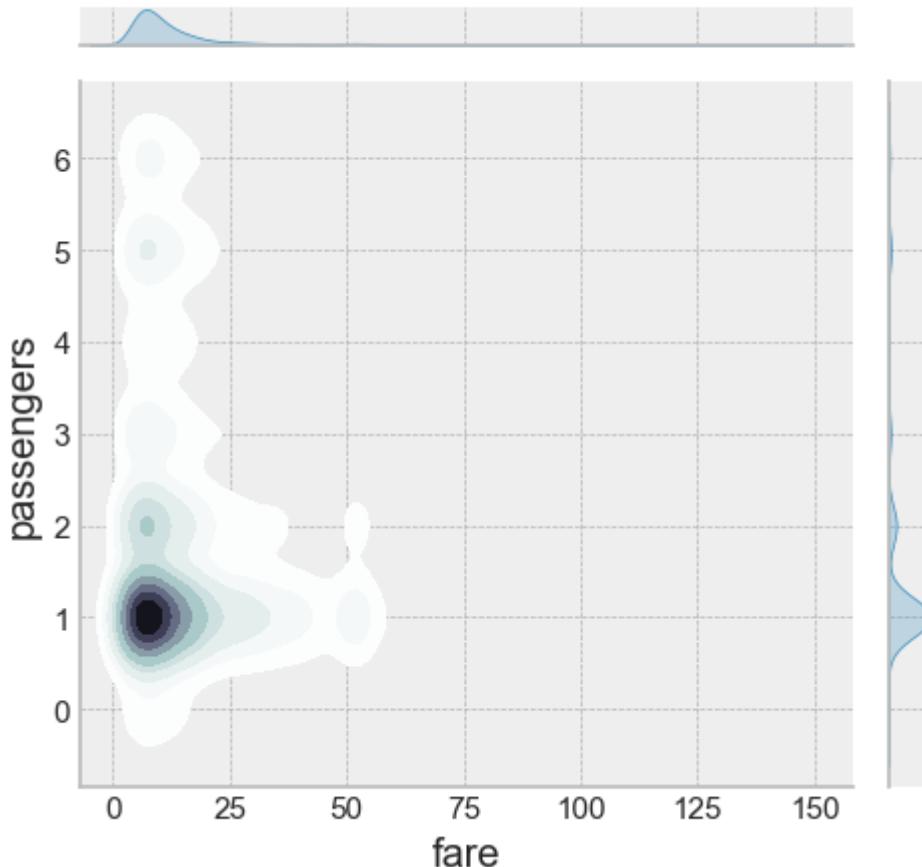
```
column | count | missings | min | lower | q25 | median | mean | q75 | upper | max | std | cv
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Bronx | 5_206 | 5_069 (97%) | 0.00 | 0.00 | 2.36 | 4.31 | 6.61 | 9.44 | 19.62 | 24.20 | 5.95 | 0.90
Brooklyn | 5_206 | 4_705 (90%) | 0.00 | 0.00 | 1.53 | 3.63 | 5.03 | 7.30 | 15.70 | 26.92 | 4.49 | 0.89
Manhattan | 5_206 | 0 (0%) | 0.00 | 0.00 | 0.91 | 1.50 | 2.39 | 2.60 | 5.13 | 30.23 | 2.91 | 1.21
Queens | 5_206 | 4_664 (90%) | 0.00 | 0.00 | 1.34 | 3.56 | 5.96 | 9.89 | 22.51 | 36.70 | 5.89 | 0.99
Staten Island | 5_206 | 5_204 (100%) | 15.51 | 15.51 | 15.68 | 15.86 | 15.86 | 16.03 | 16.20 | 16.20 | 0.49 | 0.03
nan | 5_206 | 5_161 (99%) | 0.00 | 0.00 | 0.00 | 0.90 | 7.17 | 12.60 | 26.35 | 36.66 | 10.71 | 1.49
```

pie

#test lol, payment, n=6_433

[join](#)

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

[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
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
-----
```

tbl**print_summary()**

column	count	missings	min	lower	q25	median	mean	q75	upper	max	std	cv
passenger	6_433	0 (0%)	0	0	1.000	1.000	1.539	2.000	3	6	1.204	0.782
distance	6_433	0 (0%)	0.000	0.000	0.980	1.640	3.025	3.210	6.550	36.700	3.828	1.266
fare	6_433	0 (0%)	1.000	1.000	6.500	9.500	13.091	15.000	27.540	150.000	11.552	0.882
tip	6_433	0 (0%)	0.000	0.000	0.000	1.700	1.979	2.800	6.960	33.200	2.449	1.237
tolls	6_433	0 (0%)	0.000	0.000	0.000	0.000	0.325	0.000	0.000	24.020	1.415	4.351
total	6_433	0 (0%)	1.300	1.300	10.800	14.160	18.518	20.300	34.550	174.820	13.816	0.746

describe_df()

	pickup	dropoff	passengers	distance	fare	tip	tolls	total	color	payment	pickup_zone	dropoff_zone	pickup_borough	dropoff_borough	lol	xd
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	2027
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	2027
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	2027
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	Hudson Sq	Yorkville West	Manhattan	Manhattan	NaN	2027
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	Midtown East	Yorkville West	Manhattan	Manhattan	NaN	2027
...	
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	East Harlem North	Central Harlem North	Manhattan	Manhattan	NaN	2027
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	Jamaica	East Concourse/Concourse Village	Queens	Bronx	NaN	2027
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	Crown Heights North	Bushwick North	Brooklyn	Brooklyn	NaN	2027
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	East New York	East Flatbush/Remsen Village	Brooklyn	Brooklyn	NaN	2027
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	Boerum Hill	Windsor Terrace	Brooklyn	Brooklyn	NaN	2027

6433 rows x 16 columns

● *** df: <unknown> ***
● shape: (6_433, 16)
● duplicates: 0
● column stats all (dtype | uniques | missings) [values]
- index [0, 1, 2, 3, 4, 5, 6, 7, 8, 9,]
- pickup (datetime64[ns] | 6_414 | 0 (0%)) [2019-02-28 23:29:03, 2019-03-01 00:03:29, 2019-03-01 00:08:32, 2019-03-01 00:15:53, 2019-03-01 00:29:22, 2019-03-01 00:30:59, 2019-03-01 00:32:49, 2019-03-01 00:53:00, 2019-03-01 00:56:50, 2019-03-01 01:25:30,]
- dropoff (datetime64[ns] | 6_425 | 0 (0%)) [2019-02-28 23:32:35, 2019-03-01 00:13:32, 2019-03-01 00:29:47, 2019-03-01 00:32:48, 2019-03-01 00:37:39, 2019-03-01 00:47:58, 2019-03-01 00:53:18, 2019-03-01 00:58:22, 2019-03-01 01:04:01, 2019-03-01 01:29:25,]
- passengers (int64 | 7 | 0 (0%)) [0, 1, 2, 3, 4, 5, 6,]
- distance (float64 | 1_079 | 0 (0%)) [0.0, 0.01, 0.02, 0.03, 0.04, 0.07, 0.08, 0.09, 0.1, 0.11,]
- fare (float64 | 220 | 0 (0%)) [1.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5,]
- tip (float64 | 489 | 0 (0%)) [0.0, 0.01, 0.02, 0.06, 0.08, 0.09, 0.1, 0.2, 0.25, 0.33,]
- tolls (float64 | 16 | 0 (0%)) [0.0, 2.64, 4.75, 5.54, 5.75, 6.12, 8.4, 8.5, 9.5,]
- total (float64 | 898 | 0 (0%)) [1.3, 3.3, 3.31, 3.8, 4.3, 4.8, 4.81, 5.0, 5.28, 5.3,]
- color (object | 2 | 0 (0%)) ['green', 'yellow',]
- payment (object | 3 | 44 (1%)) ['<NA>', 'cash', 'credit card',]
- pickup_zone (object | 195 | 26 (0%)) ['<NA>', 'Allerton/Pelham Gardens', 'Alphabet City', 'Astoria', 'Auburndale', 'Battery Park', 'Battery Park City', 'Bay Ridge', 'Bayside', 'Bedford',]
- dropoff_zone (object | 204 | 45 (1%)) ['<NA>', 'Allerton/Pelham Gardens', 'Alphabet City', 'Astoria', 'Auburndale', 'Baisley Park', 'Bath Beach', 'Battery Park', 'Battery Park City', 'Bay Ridge',]
- pickup_borough (object | 5 | 26 (0%)) ['<NA>', 'Bronx', 'Brooklyn', 'Manhattan', 'Queens',]
- dropoff_borough (object | 6 | 45 (1%)) ['<NA>', 'Bronx', 'Brooklyn', 'Manhattan', 'Queens', 'Staten Island',]
- lol (float64 | 1 | 6_433 (100%)) [nan,]
- xd (int64 | 1 | 0 (0%)) [2027,]
● column stats numeric

column	count	missings	min	lower	q25	median	mean	q75	upper	max	std	cv
--------	-------	----------	-----	-------	-----	--------	------	-----	-------	-----	-----	----

passenger	distance	fare	tip
6_433	0 (0%)	0 (0%)	0 (0%)
6_433	0 (0%)	0 (0%)	0 (0%)
6_433	0 (0%)	0 (0%)	0 (0%)
6_433	0 (0%)	0 (0%)	0 (0%)

tolls	6_433	0 (0%)	0.000	0.000	0.000	0.000	0.325	0.000	0.000	24.020	1.415	4.351
total	6_433	0 (0%)	1.300	1.300	10.800	14.160	18.518	20.300	34.550	174.820	13.816	0.746
lol	6_433	(100%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
xd	6_433	0 (0%)	2_027	2_027	2_027.000	2_027.000	2_027.000	2_027.000	2_027.000	2_027	2_027	0.000

	pickup	dropoff	passenger	distance	fare	tip	tolls	total	color	payment	pickup_zone	dropoff_zone	pickup_borough	dropoff_borough	lol	xd
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	2027
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	2027
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	2027

descr_db()

delay	1_724, 3
("z_kkr_label, z_first_treatment_after_days, z_first_treatment")	
z_kkr_label	z_first_treatment_after_days
varchar	int32
05-NW	67
08-BW	40
09-BY	0
	sy
	sy
	sy

	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

```

● *** 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 | missings | min | lower | q25 | median | mean | q75 | upper | max | std | cv
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
```

total	6_433	0 (0%)	1.300	1.300	10.800	14.160	18.518	20.300	34.550	174.820	13.816	0.746
-------	-------	--------	-------	-------	--------	--------	--------	--------	--------	---------	--------	-------

	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, 16
("pickup, dropoff, passengers, distance, fare, tip, tolls, total, color, payment, pickup_zone, dropoff_zone, pickup_borough, dropoff_borough, lol, xd")		
pickup	dropoff	passenger
dropoff_zone	pickup_borough	distance
timestamp_ns	timestamp_ns	fare
varchar	varchar	tip
varchar	varchar	tolls
varchar	varchar	total
varchar	varchar	color
varchar	varchar	payment
varchar	varchar	pickup_zone
varchar	varchar	
2019-03-23 20:21:09	2019-03-23 20:27:24	1
UN/Turtle Bay South	Manhattan	NULL
2019-03-04 16:11:55	2019-03-04 16:19:00	1
Upper West Side South	Manhattan	NULL
2019-03-27 17:53:01	2019-03-27 18:00:25	1
West Village	Manhattan	NULL

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

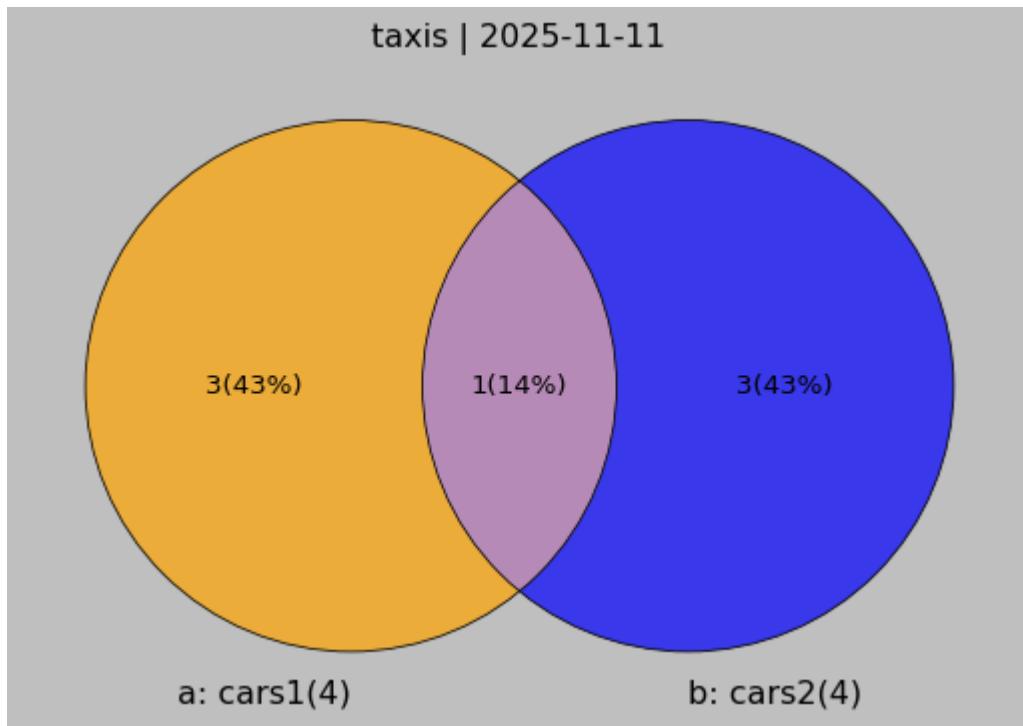
	z_kkr_label	z_first_treatment	z_first_treatment_after_days
0	09-BY	sy	236
1	02-HH	op	0
2	05-NW	sy	30
3	05-NW	op	21
4	09-BY	st	278
...
656	09-BY	sy	78
657	09-BY	sy	35
658	09-BY	sy	17
659	05-NW	sy	22
660	05-NW	op	0

661 rows × 3 columns

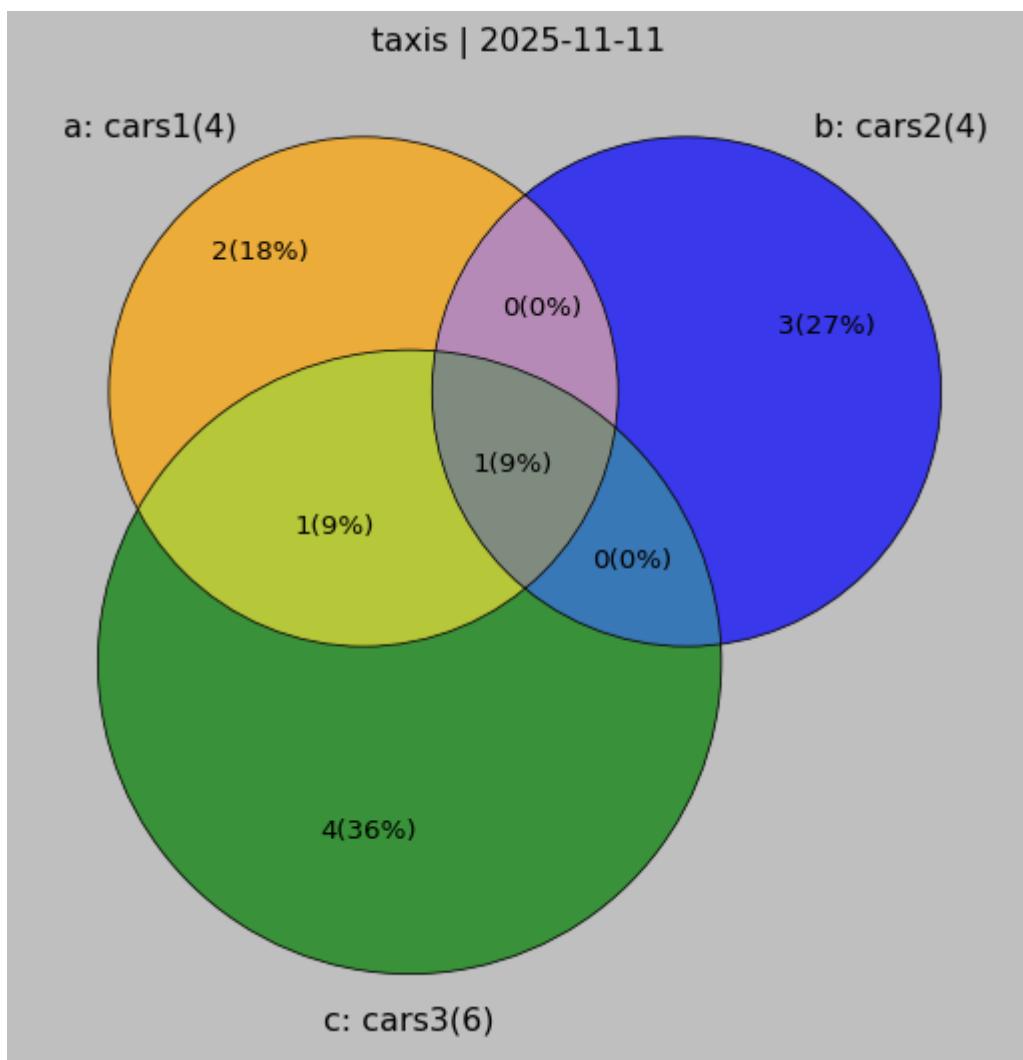
z_first_treatment	op	st	sy	Total
z_kkr_label				
01-SH	0	0	0	0
02-HH	84.000 (0.3%)	415.000 (1.6%)	1_196.000 (4.5%)	1_695.000 (6.3%)
03-NI	0	0	0	0
04-HB	0	0	0	0
05-NW	1_302.000 (4.9%)	1_533.000 (5.7%)	10_044.000 (37.6%)	12_879.000 (48.2%)
06-HE	0	0	0	0
07-RP	0	0	0	0
08-BW	0	0	0	0
09-BY	562.000 (2.1%)	3_173.000 (11.9%)	7_202.000 (27.0%)	10_937.000 (40.9%)
10-SL	0	0	0	0
11-BE	0	0	0	0
12-BB	0	0	0	0
13-MV	0	0	0	0
14-SN	0	0	0	0
15-ST	0	61.000 (0.2%)	1_141.000 (4.3%)	1_202.000 (4.5%)
16-TH	0	0	0	0
-----	-----	5 182.000	19 583.000	26 713.000

venn

ab → cars1 | cars2 → len: 7



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



hlp

	ops varchar	cnt_ops int32

NULL		165429
5-401.11 - Exzision einzelner Lymphknoten und Lymphgefe: Axillr: Mit Radionuklidmarkierung (Sentinel-...)		135826
5-573.40 - Transurethrale Inzision, Exzision, Destruktion und Resektion von (erkranktem) Gewebe der Harn...		94266
5-987.0 - Anwendung eines OP-Roboters: Komplexer OP-Roboter		82761
5-870.a1 - Partielle (brusterhaltende) Exzision der Mamma und Destruktion von Mammagewebe: Partielle Res...		65040
5-870.a2 - Partielle (brusterhaltende) Exzision der Mamma und Destruktion von Mammagewebe: Partielle Res...		52410
5-984 - Mikrochirurgische Technik		47640
5-604.52 - Radikale Prostatoavesikulektomie: Laparoskopisch, gef- und nervenerhaltend: Mit regionaler L...		39369
5-895.14 - Radikale und ausgedehnte Exzision von erkranktem Gewebe an Haut und Unterhaut: Ohne primren ...		35085
5-573.41 - Transurethrale Inzision, Exzision, Destruktion und Resektion von (erkranktem) Gewebe der Harn...		34869

ops varchar	cnt_ops int32
NULL	165429
5-401.11 - Exzision einzelner Lymphknoten und Lymphgefäße: Axillär: Mit Radionuklidmarkierung (Senti	135826
5-573.40 - Transurethrale Inzision, Exzision, Destruktion und Resektion von (erkranktem) Gewebe der	94266
5-987.0 - Anwendung eines OP-Roboters: Komplexer OP-Roboter	82761
5-870.a1 - Partielle (brusterhaltende) Exzision der Mamma und Destruktion von Mammagewebe: Partielle	65046
5-870.a2 - Partielle (brusterhaltende) Exzision der Mamma und Destruktion von Mammagewebe: Partielle	52410
5-984 - Mikrochirurgische Technik	47640
5-604.52 - Radikale Prostatektomie: Laparoskopisch, gefäß- und nervenerhaltend: Mit regional	39369
5-895.14 - Radikale und ausgedehnte Exzision von erkranktem Gewebe an Haut und Unterhaut: Ohne primä	35085
5-573.41 - Transurethrale Inzision, Exzision, Destruktion und Resektion von (erkranktem) Gewebe der	34869

```
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

<u>z_pat_id</u>	<u>z_sex</u>	<u>z_age</u>	<u>z_ag05</u>	<u>Verstorben</u>	<u>Geburtsdatum</u>	<u>Geburtsdatum_Genauigkeit</u>	<u>Datum_Vitalstatus</u>
Datum_Vitalstatus_Genauigkeit varchar	varchar	varchar	double	varchar	varchar	date	varchar
450b0462-3c82-411a-ab33-9ed13286a58d	W	83.25	a80b84	N	1939-12-15	T	2023-06-15

to d

TodesursacheId varchar	Code varchar	Version varchar	IsGrundleiden 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
		θ		op			

tum2

<u>z_event_order</u>	<u>z_events</u>	Anzahl_Tage_Diagnose_Tod	<u>z_period_diag_death_day</u>	DatumPSA	<u>z_period_diag_psa_day</u>	<u>z_last_tum_status</u>
<u>z_class_hpv</u>	<u>z_tum_order</u>	int32	int32	date	int32	varchar
varchar	int8					
fo-op-fo-op-fo	op fo	NULL	NULL	NULL	NULL	V - Vollremission (complete)
NULL	5					

op

OPID	z_period_diag_op_day	z_op_order	Intention	Lokale_Beurteilung_Residualstatus	Anzahl_Tage_Diagnose_OP	Datum_OP	Datum_OP_Genauigkeit
	varchar	int64	varchar	varchar	int32	date	varchar
b9336bec-c334-412d-93b5-79b8b23fba90	0	1	K	R1		0 2023-03-15	T

17ed629d-0f14-4dbe-9d88-610ab6b2a291 K		R1			1 2023-03-15 T
1 2					
da08a401-df47-4ae5-bfbcc-67790d50bd9c 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

OP_Id varchar	Code varchar	Version varchar	OP_TypeId varchar
1081731c-9595-41ac-9f31-90c1117fe47c	5-181.1	2023	da08a401-df47-4ae5-bfbcc-67790d50bd9c
93f1b8fe-df4f-4ab6-be4d-b0e217776797	5-903.54	2023	17ed629d-0f14-4dbe-9d88-610ab6b2a291
cb135ccc-7c90-4658-8a28-48d0e2bd830d	5-181.1	2023	b9336bec-c334-412d-93b5-79b8b23fba90
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
48e2ac46-268f-4cd3-9773-372f176a5afd	5-182.1	2023	a6b2e505-5d59-460c-a271-eafa9e392f18
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

ST_Id varchar	Intention varchar	Stellung_OP varchar
0 rows		

be

BestrahlungId varchar	Anzahl_Tage_Diagnose_ST int32	Anzahl_Tage_ST_Dauer int32	Datum_Beginn_Bestrahlung date	Datum_Beginn_Bestrahlung_Genauigkeit varchar	ST_Id varchar
z_period_diag_bestr_day int32	z_bestr_order int64				
0 rows					

app

BestrahlungId varchar	TypeofST_TypBestrahlungApplikationsart Atemgetriggert varchar	Seite_Zielgebiet varchar	Interstitiell_endokavitaer varchar	Rate_Type varchar	Metabolisch_Typ varchar	Radiochemo varchar
Stereotaktisch varchar	CodeVersion2014 varchar	CodeVersion2021 varchar				
0 rows						

syst

SYST_Id varchar	Intention varchar	Stellung_OP varchar	Therapieart varchar	Anzahl_Tage_Diagnose_SYST int32	Anzahl_Tage_SYST_Dauer int32	Datum_Beginn_SYST date	Datum_Beginn_SYST_Genauigkeit varchar
0 rows							

fo

FolgeereignisId varchar	Gesamtbeurteilung_Tumorstatus date	Verlauf_Lokaler_Tumorstatus varchar	Verlauf_Tumorstatus_Lymphknoten int64	Verlauf_Tumorstatus_Fernmetastasen varchar	z_fo_order int32	z_period_diag_fo_day varchar
1e58d32d-06a5-4a06-bb2c-1aeb34eebf0 T			1 T		0	K
2023-03-15 T						
fb74efe-266c-430c-90af-35d0627a6039 T			2 T		0	K
2023-03-15 T						
04ed157d-787b-419a-b563-b10b51cae6c6 X			3 NULL		31	NULL
2023-04-15 T						
13a7ccd4-9133-409d-a7fb-479162ca06ad T			4 T		31	K
2023-04-15 T						
927c89f6-d53e-4783-bebc-2e1d75dc66e0 V			5 K		92	K
2023-06-15 T						

fo_tnm

TNM_m_Symbol varchar	TNM_Id varchar	N c_p_u_Praefix_N varchar	M c_p_u_Praefix_M varchar	L FolgeereignisId varchar	V Version varchar	y_Symbol Pn varchar	r_Symbol S varchar	a_Symbol UICC_Stadium varchar	c_p_u_Praefix_T varchar	T
fb74efe-266c-430c-90af-35d0627a6039	fb74efe-266c-430c-90af-35d0627a6039	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1e58d32d-06a5-4a06-bb2c-1aeb34eebf0	1e58d32d-06a5-4a06-bb2c-1aeb34eebf0	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
04ed157d-787b-419a-b563-b10b51cae6c6	04ed157d-787b-419a-b563-b10b51cae6c6	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	1
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	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
13a7ccd4-9133-409d-a7fb-479162ca06ad	13a7ccd4-9133-409d-a7fb-479162ca06ad	NULL																

fo_fm

FolgeereignisId varchar	FernmetastaseId varchar	Lokalisation varchar
0 rows		

fo_weitere

WeitereKlassifikationId varchar	Name varchar	Stadium varchar	FolgeereignisId varchar
0 rows			

diag_fm

FernmetastaseId varchar	Lokalisation varchar
0 rows	

diag_weitere

WeitereKlassifikationId varchar	Name varchar	Stadium varchar
0 rows		

['total', 'distance']

🕒 Adding datetime columns basing off of: dropoff

	pickup	dropoff	passenger	distance	fare	tip	tolls	total	color	payment	...	dropoff_borough	lol	xd	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	NaN	2027	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	NaN	2027	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	NaN	2027	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	NaN	2027	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	NaN	2027	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	NaN	2027	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	...	Bronx	NaN	2027	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	NaN	2027	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	NaN	2027	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	NaN	2027	2019	3	1	2019-03	2019Q1	2019-W11	Wed

6433 rows x 23 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).]