

1. Waste collection in the Port of Genoa (2008-2018).

The classification of waste at European level is based on the European List of Waste (Commission Decision 2000/532/EC – consolidated version) and Annex III to Directive 2008/98/EC (consolidated version). The List of Waste (LoW) provides an EU-wide common terminology for waste classification to ease waste management, including for hazardous waste. The assignment of LoW codes serves in a broad variety of activities, including the transport of waste, installation permits (which often refer also to specific waste codes), or as a basis for waste statistics. According to Decision 2000/532/EC, the LoW should be revised regularly on the basis of new knowledge and, in particular, of research results. The last amendment is Commission Decision 2014/955/EU, which followed a specific study on the review of the European LoW. (see <https://ec.europa.eu/environment/waste/framework/list.htm> for details).

Numbers related to the waste collection in the Port of Genoa 2008-2018 in tonnes according to EU Directive 2008/98/EC “at a glance”, follows. Please note that EWC (European Waste Code) is translated with CER (Codice Europeo Rifiuto) in Italian language.

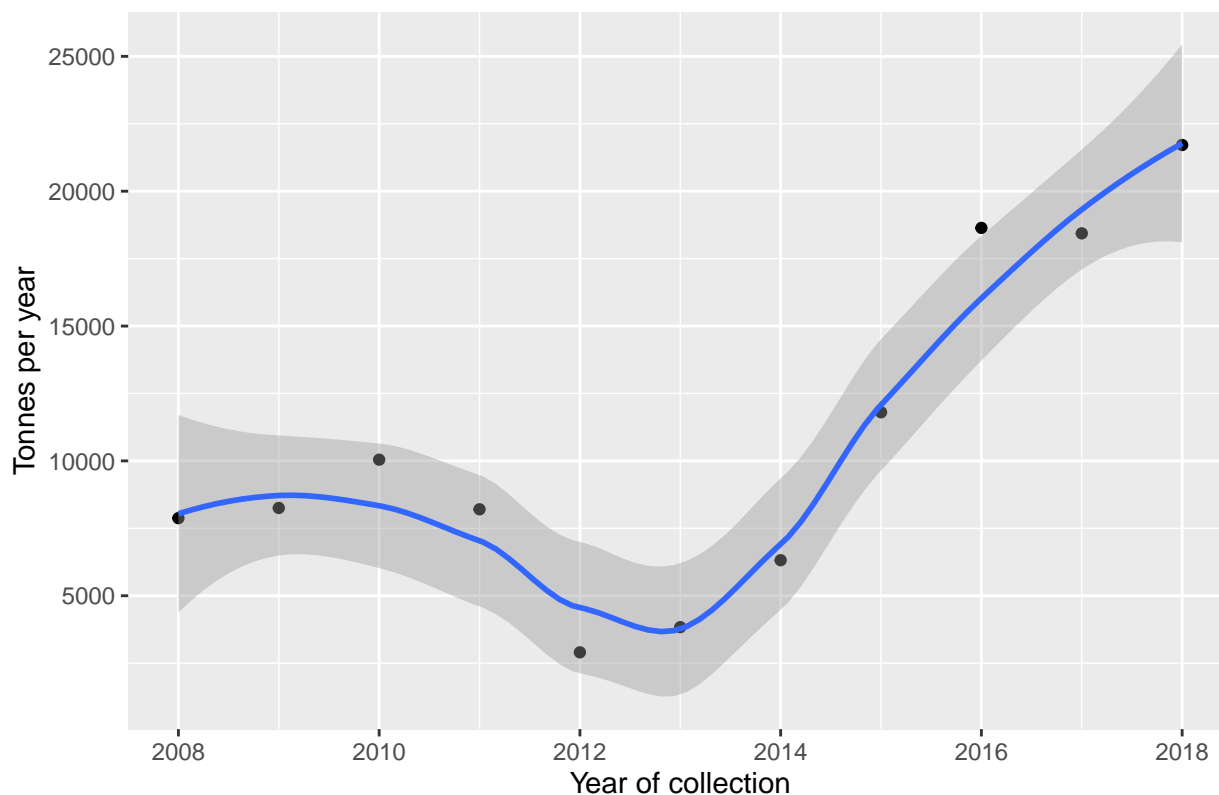
The dataset organized by CER codes is publicly provided by the Ports of Genoa (<https://www.portsofgenoa.com/it/comunicazione-marketing/news/2560-nuovo-piano-gestione-rifiuti.html>)/

Total in tonnes per year (data)

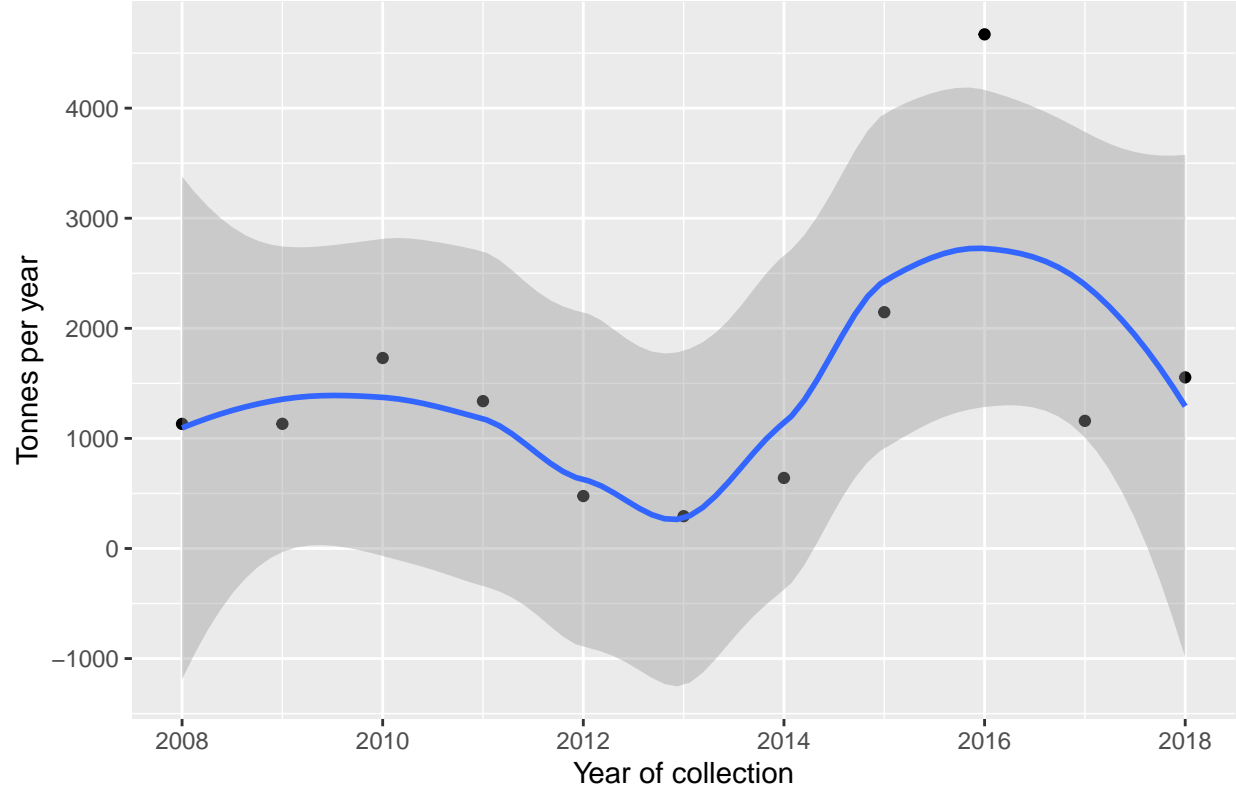
2008	2009	2010	2011	2012	2013	2014	2015
7877.45	8254.98	10045.51	8205.40	2902.87	3836.52	6317.80	11803.54
2016	2017	2018					
18638.33	18436.98	21712.13					

Total in tonnes per year (chart)

Waste collection in the Port of Genoa (t per year, 2008–2018)



Dangerous waste collection in the Port of Genoa (t per year, 2008–2018)



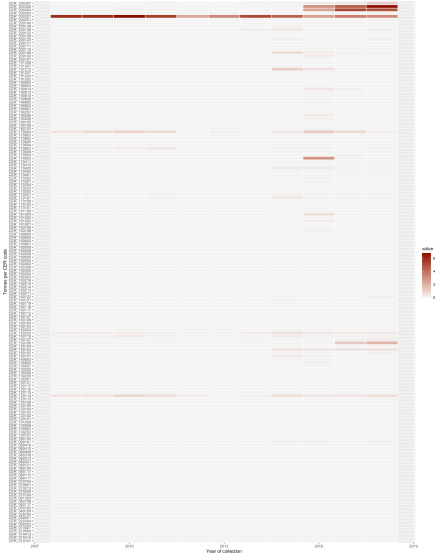
3. Dataset analysis.

Dataset dimension: 11, 164 (observations of variables)

Exploratory Data analysis:

Dataset contains **1 missing records** (NA).

Visually, is reported below a heatmap showing evidence of the dataset status (see annexes for bigger image).



ANNEX - SUMMARY OF DATASET

What follows is the summary of the dataset for waste collection in the Port of Genoa 2008-2018 in tonnes. Information is summarized for each CER code, including min and max values, median, mean, 1st and 3rd quartile, and the number of missing values (NAs).

CER_010101	CER_010410	CER_010413	CER_010504
Min. :0.0000	Min. : 0.000	Min. : 0.000	Min. :0.0000
1st Qu.:0.0000	1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.:0.0000
Median :0.0000	Median : 0.000	Median : 0.000	Median :0.0000
Mean :0.5418	Mean : 1.131	Mean : 7.493	Mean :0.1036
3rd Qu.:0.0000	3rd Qu.: 0.000	3rd Qu.: 8.150	3rd Qu.:0.0000
Max. :5.9600	Max. :12.440	Max. :34.700	Max. :1.1400

CER_010507	CER_020303	CER_020304	CER_020501
Min. :0.0000	Min. : 0.000	Min. : 0.000	Min. :0.0000
1st Qu.:0.0000	1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.:0.0000
Median :0.0000	Median : 0.000	Median : 0.000	Median :0.0000
Mean :0.1127	Mean : 2.809	Mean : 8.884	Mean :0.6091
3rd Qu.:0.0000	3rd Qu.: 0.000	3rd Qu.: 7.075	3rd Qu.:0.0000
Max. :1.2400	Max. :30.900	Max. :62.350	Max. :6.7000

CER_020704	CER_040109	CER_050103	CER_050117
Min. : 0.000	Min. :0.0000	Min. :14.20	Min. : 0.000
1st Qu.: 0.000	1st Qu.:0.0000	1st Qu.:22.62	1st Qu.: 0.000
Median : 0.200	Median :0.0000	Median :38.01	Median : 0.000
Mean : 2.805	Mean :0.1218	Mean :40.40	Mean : 1.064
3rd Qu.: 3.645	3rd Qu.:0.0000	3rd Qu.:44.12	3rd Qu.: 0.000
Max. :15.120	Max. :1.3400	Max. :95.37	Max. :11.700

CER_060106	CER_061303	CER_070104	CER_070208
Min. :0.0000	Min. :0.0000	Min. :0.00000	Min. : 0.000
1st Qu.:0.0000	1st Qu.:0.0000	1st Qu.:0.00000	1st Qu.: 0.000
Median :0.0000	Median :0.0000	Median :0.00000	Median : 0.000
Mean :0.6645	Mean :0.1236	Mean :0.03636	Mean : 2.113
3rd Qu.:0.0900	3rd Qu.:0.0000	3rd Qu.:0.00000	3rd Qu.: 0.000
Max. :6.1000	Max. :0.9200	Max. :0.40000	Max. :11.800

CER_070213	CER_070601	CER_070704	CER_080111
Min. : 0.000	Min. :0.00000	Min. :0.0000	Min. : 3.21
1st Qu.: 0.000	1st Qu.:0.00000	1st Qu.:0.0000	1st Qu.: 8.27
Median : 0.000	Median :0.00000	Median :0.0000	Median :22.85
Mean : 3.646	Mean :0.03455	Mean :0.2136	Mean :19.65
3rd Qu.: 5.315	3rd Qu.:0.00000	3rd Qu.:0.0000	3rd Qu.:25.41
Max. :17.680	Max. :0.38000	Max. :1.9700	Max. :39.80

CER_080117	CER_080112	CER_080120	CER_080121
Min. : 0.000	Min. :0.0000	Min. : 0.000	Min. : 0.000
1st Qu.: 0.000	1st Qu.:0.0000	1st Qu.: 0.000	1st Qu.: 0.000
Median : 0.000	Median :0.0000	Median : 0.000	Median : 0.000
Mean : 1.244	Mean :0.8418	Mean : 6.424	Mean : 2.629
3rd Qu.: 0.000	3rd Qu.:0.7600	3rd Qu.: 0.000	3rd Qu.: 2.175

Max. :13.680 Max. :4.6200 Max. :51.120 Max. :13.030

CER_080201	CER_080313	CER_080318	CER_080409
Min. :0.00	Min. :0.000000	Min. :0.1200	Min. :0.0000
1st Qu.:0.00	1st Qu.:0.000000	1st Qu.:0.3650	1st Qu.:0.0000
Median :0.00	Median :0.000000	Median :0.4300	Median :0.0000
Mean :0.01	Mean :0.008182	Mean :0.5264	Mean :0.7527
3rd Qu.:0.00	3rd Qu.:0.000000	3rd Qu.:0.6500	3rd Qu.:0.0500
Max. :0.07	Max. :0.090000	Max. :1.1900	Max. :6.2400

CER_080410	CER_080416	CER_090101	CER_090105
Min. :0.00	Min. :0	Min. : 4.46	Min. :0.00000
1st Qu.:0.00	1st Qu.:0	1st Qu.: 56.82	1st Qu.:0.00000
Median :0.10	Median :0	Median : 68.65	Median :0.00000
Mean :1.62	Mean :0	Mean : 66.27	Mean :0.05636
3rd Qu.:2.72	3rd Qu.:0	3rd Qu.: 78.37	3rd Qu.:0.00000
Max. :6.99	Max. :0	Max. :139.98	Max. :0.62000

CER_100101	CER_100202	CER_100903	CER_100908
Min. : 2.950	Min. :0.0000	Min. :0.00	Min. :0.00000
1st Qu.: 4.350	1st Qu.:0.0000	1st Qu.:0.00	1st Qu.:0.00000
Median : 6.600	Median :0.0000	Median :0.00	Median :0.00000
Mean : 8.515	Mean :0.6109	Mean :0.26	Mean :0.01273
3rd Qu.:10.060	3rd Qu.:0.0000	3rd Qu.:0.00	3rd Qu.:0.00000
Max. :25.450	Max. :6.7200	Max. :2.28	Max. :0.14000

CER_101008	CER_120101	CER_120102	CER_120103
Min. :0.0000	Min. :0.0000	Min. :0.0000	Min. :0.00000
1st Qu.:0.0000	1st Qu.:0.0000	1st Qu.:0.0000	1st Qu.:0.00000
Median :0.0000	Median :0.0000	Median :0.0000	Median :0.00000
Mean :0.2555	Mean :0.3218	Mean :0.2673	Mean :0.06455
3rd Qu.:0.0000	3rd Qu.:0.0000	3rd Qu.:0.0950	3rd Qu.:0.00000
Max. :1.6800	Max. :3.0400	Max. :2.5500	Max. :0.71000

CER_120104	CER_120105	CER_120109	CER_120113
Min. :0.0000	Min. : 0.000	Min. : 0.000	Min. : 0.000
1st Qu.:0.0000	1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.: 0.000
Median :0.0000	Median : 0.000	Median : 0.000	Median : 0.000
Mean :0.2618	Mean : 5.339	Mean : 5.958	Mean :11.535
3rd Qu.:0.0650	3rd Qu.: 4.395	3rd Qu.: 0.000	3rd Qu.: 0.475
Max. :2.5500	Max. :26.720	Max. :65.540	Max. :97.680

CER_120114	CER_120115	CER_120116	CER_120117
Min. : 50.03	Min. :0.000	Min. :0.00	Min. : 0.000
1st Qu.:287.27	1st Qu.:0.000	1st Qu.:0.00	1st Qu.: 0.065
Median :476.17	Median :0.000	Median :0.00	Median : 1.040
Mean :444.02	Mean :1.369	Mean :0.21	Mean :13.575
3rd Qu.:587.10	3rd Qu.:2.785	3rd Qu.:0.01	3rd Qu.:13.080
Max. :884.92	Max. :6.290	Max. :2.24	Max. :68.840

CER_120121	CER_120301	CER_130205	CER_130206
Min. :0.000000	Min. : 0.000	Min. :0.000	Min. :0.00000

1st Qu.:0.000000	1st Qu.: 0.000	1st Qu.:0.205	1st Qu.:0.0000
Median :0.000000	Median : 0.000	Median :0.820	Median :0.0000
Mean :0.003636	Mean : 1.593	Mean :1.197	Mean :0.2127
3rd Qu.:0.000000	3rd Qu.: 0.000	3rd Qu.:1.250	3rd Qu.:0.0000
Max. :0.040000	Max. :17.520	Max. :5.610	Max. :2.3400

CER_130502	CER_130507	CER_130802	CER_140603
Min. :0.0000	Min. : 0.000	Min. : 0.00	Min. :0.180
1st Qu.:0.0000	1st Qu.: 0.000	1st Qu.: 0.00	1st Qu.:0.410
Median :0.0000	Median : 0.000	Median : 0.00	Median :1.060
Mean :0.1436	Mean : 5.262	Mean : 12.81	Mean :2.572
3rd Qu.:0.0000	3rd Qu.: 0.000	3rd Qu.: 0.00	3rd Qu.:4.055
Max. :1.3800	Max. :57.880	Max. :140.90	Max. :8.420

CER_150101	CER_150102	CER_150103	CER_150104
Min. : 0.00	Min. : 0.00	Min. : 0.000	Min. : 7.30
1st Qu.: 0.00	1st Qu.: 0.00	1st Qu.: 0.150	1st Qu.:15.83
Median : 0.40	Median : 0.00	Median : 3.285	Median :20.70
Mean : 54.61	Mean : 29.84	Mean :192.394	Mean :24.61
3rd Qu.: 49.23	3rd Qu.: 54.37	3rd Qu.:437.928	3rd Qu.:34.22
Max. :325.91	Max. :136.26	Max. :569.350	Max. :49.17

NA's :1

CER_150106	CER_150107	CER_150110	CER_150202
Min. : 0.00	Min. : 0.00	Min. : 29.64	Min. : 73.54
1st Qu.: 4.68	1st Qu.: 0.00	1st Qu.: 88.27	1st Qu.:191.91
Median : 22.42	Median : 0.00	Median :133.48	Median :231.77
Mean : 305.07	Mean : 27.19	Mean :125.19	Mean :261.58
3rd Qu.: 110.21	3rd Qu.: 12.96	3rd Qu.:155.25	3rd Qu.:303.12
Max. :1873.99	Max. :198.28	Max. :236.43	Max. :649.25

CER_150203	CER_160103	CER_160104	CER_160106
Min. : 0.000	Min. : 0.000	Min. : 0.000	Min. :0.000
1st Qu.: 0.225	1st Qu.: 2.575	1st Qu.: 0.000	1st Qu.:0.000
Median : 1.170	Median : 5.360	Median : 0.000	Median :0.000
Mean : 2.693	Mean : 9.960	Mean : 3.364	Mean :1.424
3rd Qu.: 2.210	3rd Qu.:13.475	3rd Qu.: 0.000	3rd Qu.:0.250
Max. :12.780	Max. :28.470	Max. :34.580	Max. :7.920

CER_160107	CER_160112	CER_160117	CER_160118
Min. :0.700	Min. :0.00000	Min. :0.0000	Min. :0.000000
1st Qu.:0.885	1st Qu.:0.00000	1st Qu.:0.0000	1st Qu.:0.000000
Median :1.700	Median :0.00000	Median :0.0000	Median :0.000000
Mean :2.119	Mean :0.02909	Mean :0.1473	Mean :0.005455
3rd Qu.:2.295	3rd Qu.:0.00000	3rd Qu.:0.0000	3rd Qu.:0.000000
Max. :6.800	Max. :0.28000	Max. :1.6200	Max. :0.060000

CER_160119	CER_160121	CER_160122	CER_160211
Min. :0.00000	Min. : 0.000	Min. : 0.000	Min. :0.00
1st Qu.:0.00000	1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.:0.00
Median :0.00000	Median : 0.000	Median : 0.000	Median :0.00
Mean :0.03091	Mean : 14.655	Mean : 8.353	Mean :1.15
3rd Qu.:0.00000	3rd Qu.: 4.095	3rd Qu.: 0.550	3rd Qu.:0.88

Max. :0.34000 Max. :115.190 Max. :79.130 Max. :8.49

CER_160213	CER_160214	CER_160215	CER_160216
Min. : 0.80	Min. : 0.880	Min. :0.000000	Min. :0.0000
1st Qu.: 6.02	1st Qu.: 6.465	1st Qu.:0.000000	1st Qu.:0.0000
Median : 7.90	Median :10.220	Median :0.000000	Median :0.0100
Mean :11.81	Mean :12.735	Mean :0.005455	Mean :0.2191
3rd Qu.:16.36	3rd Qu.:18.565	3rd Qu.:0.000000	3rd Qu.:0.2850
Max. :31.27	Max. :32.430	Max. :0.060000	Max. :1.3800

CER_160303	CER_160304	CER_160305	CER_160306
Min. : 0.000	Min. : 0.000	Min. : 0.000	Min. :0.0000
1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.:0.0000
Median : 0.000	Median : 0.000	Median : 0.040	Median :0.1400
Mean : 2.075	Mean : 2.747	Mean : 1.994	Mean :0.9473
3rd Qu.: 0.130	3rd Qu.: 1.440	3rd Qu.: 0.420	3rd Qu.:0.6150
Max. :20.860	Max. :23.800	Max. :10.850	Max. :7.6500

CER_160403	CER_160504	CER_160505	CER_160506
Min. :0.000000	Min. :0.0000	Min. :0.000	Min. :0.000000
1st Qu.:0.000000	1st Qu.:0.0700	1st Qu.:0.010	1st Qu.:0.000000
Median :0.000000	Median :0.1400	Median :0.450	Median :0.000000
Mean :0.004545	Mean :0.7264	Mean :1.581	Mean :0.001818
3rd Qu.:0.000000	3rd Qu.:0.4250	3rd Qu.:2.555	3rd Qu.:0.000000
Max. :0.050000	Max. :5.8800	Max. :6.570	Max. :0.020000

CER_160508	CER_160509	CER_160601	CER_160602
Min. :0.0000	Min. :0.00000	Min. : 3.100	Min. :0.0000
1st Qu.:0.0000	1st Qu.:0.00000	1st Qu.: 6.070	1st Qu.:0.0000
Median :0.0000	Median :0.00000	Median : 9.420	Median :0.0000
Mean :0.3227	Mean :0.06273	Mean : 9.845	Mean :0.7582
3rd Qu.:0.0000	3rd Qu.:0.00000	3rd Qu.:11.860	3rd Qu.:1.1500
Max. :3.5500	Max. :0.36000	Max. :19.710	Max. :3.2700

CER_160604	CER_160605	CER_160708	CER_160709
Min. :0.00000	Min. :0.3500	Min. : 0.00	Min. : 0.700
1st Qu.:0.00000	1st Qu.:0.4900	1st Qu.: 0.00	1st Qu.: 1.355
Median :0.00000	Median :0.7500	Median : 0.00	Median : 1.900
Mean :0.05091	Mean :0.8764	Mean : 19.87	Mean : 4.310
3rd Qu.:0.08500	3rd Qu.:1.1150	3rd Qu.: 0.39	3rd Qu.: 4.745
Max. :0.20000	Max. :2.2300	Max. :146.74	Max. :18.860

CER_161001	CER_161002	CER_161003	CER_161004
Min. : 0.000	Min. : 0.000	Min. : 0.000	Min. : 0.00
1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.: 0.00
Median : 0.000	Median : 0.000	Median : 2.720	Median : 0.00
Mean : 2.135	Mean : 22.292	Mean : 3.669	Mean : 52.39
3rd Qu.: 0.000	3rd Qu.: 5.735	3rd Qu.: 6.570	3rd Qu.: 0.00
Max. :17.340	Max. :193.620	Max. :13.200	Max. :576.32

CER_161106	CER_170101	CER_170103	CER_170106
Min. :0.0000	Min. : 0.000	Min. :0.000	Min. : 0.000

1st Qu.:0.0000	1st Qu.: 0.000	1st Qu.:0.000	1st Qu.: 0.000
Median :0.0000	Median : 0.000	Median :0.000	Median : 0.000
Mean :0.4109	Mean : 8.338	Mean :1.013	Mean : 1.422
3rd Qu.:0.0000	3rd Qu.: 7.230	3rd Qu.:0.000	3rd Qu.: 0.000
Max. :4.5200	Max. :48.040	Max. :5.800	Max. :15.640

CER_170107	CER_170201	CER_170202	CER_170203
Min. : 0.40	Min. : 0.00	Min. :0.000	Min. : 0.000
1st Qu.: 50.47	1st Qu.: 2.49	1st Qu.:0.000	1st Qu.: 0.000
Median : 73.75	Median : 8.68	Median :0.000	Median : 1.130
Mean :108.16	Mean : 27.58	Mean :1.367	Mean : 4.131
3rd Qu.:134.65	3rd Qu.: 24.76	3rd Qu.:1.490	3rd Qu.: 5.300
Max. :365.38	Max. :169.27	Max. :6.660	Max. :23.380

CER_170204	CER_170301	CER_170302	CER_170401
Min. : 0.000	Min. : 0.000	Min. : 0.00	Min. :0.0000
1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.: 0.00	1st Qu.:0.0000
Median : 0.000	Median : 0.000	Median : 1.48	Median :0.0000
Mean : 4.346	Mean : 5.623	Mean : 14.24	Mean :0.2336
3rd Qu.: 2.560	3rd Qu.: 0.000	3rd Qu.: 9.91	3rd Qu.:0.0000
Max. :21.940	Max. :61.850	Max. :117.39	Max. :1.8000

CER_170402	CER_170405	CER_170410	CER_170411
Min. :0.00	Min. : 0.00	Min. :0.00000	Min. : 0.000
1st Qu.:0.00	1st Qu.: 18.89	1st Qu.:0.00000	1st Qu.: 0.030
Median :0.00	Median : 25.35	Median :0.00000	Median : 0.220
Mean :0.23	Mean : 96.96	Mean :0.04182	Mean : 3.135
3rd Qu.:0.01	3rd Qu.: 87.72	3rd Qu.:0.00000	3rd Qu.: 0.325
Max. :1.62	Max. :387.64	Max. :0.46000	Max. :32.380

CER_170503	CER_170504	CER_170506	CER_170603
Min. : 0.0	Min. : 0.00	Min. :0	Min. : 12.83
1st Qu.: 0.0	1st Qu.: 0.00	1st Qu.:0	1st Qu.: 58.51
Median : 0.0	Median : 0.44	Median :0	Median :108.61
Mean : 253.8	Mean : 20.72	Mean :0	Mean :121.68
3rd Qu.: 0.0	3rd Qu.: 10.41	3rd Qu.:0	3rd Qu.:146.31
Max. :2791.8	Max. :139.89	Max. :0	Max. :342.86

CER_170604	CER_170605	CER_170802	CER_170903
Min. : 0.000	Min. :0.0000	Min. : 0.000	Min. : 0.000
1st Qu.: 0.560	1st Qu.:0.0000	1st Qu.: 0.000	1st Qu.: 0.000
Median : 5.250	Median :0.0000	Median : 0.000	Median : 0.000
Mean : 9.116	Mean :0.5573	Mean : 1.471	Mean : 3.127
3rd Qu.:17.915	3rd Qu.:0.0000	3rd Qu.: 1.110	3rd Qu.: 0.000
Max. :20.570	Max. :6.1300	Max. :10.620	Max. :34.400

CER_170904	CER_180103	CER_180109	CER_190105
Min. : 0.18	Min. :0.020	Min. :0.3000	Min. :0.0000
1st Qu.: 173.47	1st Qu.:0.045	1st Qu.:0.3600	1st Qu.:0.0000
Median : 466.16	Median :0.080	Median :0.4600	Median :0.0000
Mean : 509.50	Mean :0.210	Mean :0.5882	Mean :0.1982
3rd Qu.: 711.62	3rd Qu.:0.110	3rd Qu.:0.6150	3rd Qu.:0.0000

Max. :1196.71 Max. :1.490 Max. :1.6600 Max. :2.1800

CER_190205	CER_190206	CER_190207	CER_190801
Min. : 0.000	Min. : 0.00	Min. :0.0000	Min. : 0.000
1st Qu.: 0.000	1st Qu.: 0.00	1st Qu.:0.0000	1st Qu.: 0.000
Median : 0.000	Median : 0.00	Median :0.0000	Median : 0.000
Mean : 7.636	Mean : 26.38	Mean :0.7545	Mean : 3.423
3rd Qu.: 0.000	3rd Qu.: 0.00	3rd Qu.:0.0000	3rd Qu.: 0.000
Max. :84.000	Max. :290.17	Max. :8.3000	Max. :24.150

CER_190802	CER_190805	CER_190809	CER_190810
Min. : 0.000	Min. : 0.02	Min. : 0.000	Min. :0.00000
1st Qu.: 0.000	1st Qu.: 1.07	1st Qu.: 0.000	1st Qu.:0.00000
Median : 0.000	Median : 7.51	Median : 0.000	Median :0.00000
Mean : 2.262	Mean :10.67	Mean : 7.098	Mean :0.4109
3rd Qu.: 0.000	3rd Qu.:19.92	3rd Qu.: 0.000	3rd Qu.:0.0100
Max. :21.980	Max. :26.23	Max. :78.060	Max. :4.0200

CER_190813	CER_190814	CER_190902	CER_190904
Min. : 0.000	Min. : 0.000	Min. :0.0000	Min. :0.000000
1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.:0.0000	1st Qu.:0.000000
Median : 0.000	Median : 0.000	Median :0.0000	Median :0.000000
Mean : 7.386	Mean : 50.487	Mean :0.5545	Mean :0.01455
3rd Qu.: 0.000	3rd Qu.: 5.105	3rd Qu.:0.0000	3rd Qu.:0.02000
Max. :81.250	Max. :457.010	Max. :6.1000	Max. :0.10000

CER_191202	CER_191204	CER_191207	CER_191212
Min. : 0.000	Min. : 0.000	Min. :0.0000	Min. : 0.00
1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.:0.0000	1st Qu.: 0.00
Median : 0.000	Median : 0.000	Median :0.0000	Median : 0.00
Mean : 1.093	Mean : 2.289	Mean :0.5473	Mean : 153.86
3rd Qu.: 0.000	3rd Qu.: 0.000	3rd Qu.:0.0000	3rd Qu.: 2.94
Max. :12.020	Max. :25.180	Max. :6.0200	Max. :1136.22

CER_191307	CER_191308	CER_200101	CER_200102
Min. : 0.000	Min. : 0.000	Min. : 0.000	Min. : 0.000
1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.: 0.000
Median : 0.000	Median : 0.000	Median : 0.000	Median : 0.000
Mean : 1.567	Mean : 2.053	Mean : 2.488	Mean : 24.317
3rd Qu.: 0.000	3rd Qu.: 0.000	3rd Qu.: 0.000	3rd Qu.: 6.075
Max. :17.240	Max. :22.580	Max. :23.080	Max. :207.460

CER_200108	CER_200110	CER_200111	CER_200121
Min. : 0.0	Min. :0.0000	Min. : 0.00	Min. :1.100
1st Qu.: 0.0	1st Qu.:0.0000	1st Qu.: 0.00	1st Qu.:1.785
Median : 0.0	Median :0.0000	Median : 0.00	Median :2.780
Mean :118.1	Mean :0.3455	Mean : 2.72	Mean :3.033
3rd Qu.:145.5	3rd Qu.:0.0000	3rd Qu.: 0.00	3rd Qu.:3.710
Max. :685.8	Max. :3.8000	Max. :23.46	Max. :6.650

CER_200125	CER_200130	CER_200132	CER_200138
Min. : 1.53	Min. :0.0000	Min. :0.0000	Min. : 0.00

1st Qu.: 9.32	1st Qu.:0.0000	1st Qu.:0.0000	1st Qu.: 8.53
Median :29.52	Median :0.0000	Median :0.0000	Median : 18.00
Mean :36.46	Mean :0.2273	Mean :0.1909	Mean : 63.98
3rd Qu.:62.46	3rd Qu.:0.1550	3rd Qu.:0.0000	3rd Qu.: 71.95
Max. :80.66	Max. :1.6300	Max. :2.1000	Max. :376.66

CER_200139	CER_200140	CER_200201	CER_200301
Min. : 0.000	Min. :0.000000	Min. : 0.000	Min. :2240
1st Qu.: 0.000	1st Qu.:0.000000	1st Qu.: 0.000	1st Qu.:3196
Median : 0.270	Median :0.000000	Median : 0.000	Median :4415
Mean : 15.986	Mean :0.001818	Mean :10.401	Mean :4401
3rd Qu.: 6.875	3rd Qu.:0.000000	3rd Qu.: 4.355	3rd Qu.:5699
Max. :147.840	Max. :0.020000	Max. :75.180	Max. :6781

CER_200303	CER_200304	CER_200306	CER_200307
Min. : 0.00	Min. : 0.00	Min. : 0	Min. : 21.77
1st Qu.: 0.00	1st Qu.: 15.48	1st Qu.: 0	1st Qu.: 35.07
Median : 0.00	Median : 85.24	Median : 0	Median : 77.50
Mean : 31.71	Mean :1193.56	Mean :1262	Mean : 200.04
3rd Qu.: 44.97	3rd Qu.:1274.90	3rd Qu.:1458	3rd Qu.: 213.00
Max. :190.78	Max. :5305.39	Max. :6445	Max. :1067.22

ANNEX - DATASET HEATMAP

