

db

Autogenerated data summary from dataReporter

2022-07-21 09:24:59

Data report overview

The dataset examined has the following dimensions:

Feature	Result
Number of observations	40
Number of variables	46

Checks performed

The following variable checks were performed, depending on the data type of each variable:

	character	factor	labelled	haven labelled	numeric	integer	logical	Date
Identify miscoded missing values	×	×	×	×	×	×		×
Identify prefixed and suffixed whitespace	×	×	×	×				
Identify levels with < 6 obs.	×	×	×	×				
Identify case issues	×	×	×	×				
Identify misclassified numeric or integer variables	×	×	×	×				
Identify outliers					×	×		×

Please note that all numerical values in the following have been rounded to 2 decimals.

Codebook summary table

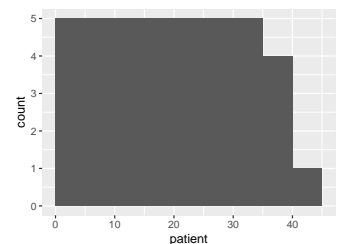
Label	Variable	Class	# unique values	Missing	Description
	patient	numeric	40	0.00 %	
	group_1_covid_2_transplant_3_donatore	factor	3	0.00 %	
	sex_1_m_2_f	factor	2	0.00 %	
	age_years	numeric	27	0.00 %	
	bmi	numeric	36	0.00 %	
	status_vivo_1_morto_0	factor	3	60.00 %	
	icu_los	numeric	15	60.00 %	
	h_los	numeric	13	60.00 %	
	ecmo_y_1_n_2	factor	3	60.00 %	

Label	Variable	Class	# unique values	Missing	Description
	macrophages_percent	numeric	13	30.00 %	
	lymphocytes_percent	numeric	8	30.00 %	
	neutrophilic_granulocytes_percent	numeric	13	30.00 %	
	fibrin_y_1_n_2	factor	3	30.00 %	
	eritrocytes_y_1_n_2	factor	3	30.00 %	
	hyperplastic_pneumocytes_y_1_n_2	factor	3	30.00 %	
	bacterial_infections_y_1_n_2	factor	2	0.00 %	
	viral_infections_y_1_n_2	factor	2	0.00 %	
	fungal_infections_y_1_n_2	factor	2	0.00 %	
	ifna1_delta_ct	numeric	37	0.00 %	
	ifna16_delta_ct	numeric	21	0.00 %	
	ifna17_delta_ct	numeric	39	0.00 %	
	ifna2_delta_ct	numeric	37	0.00 %	
	ifna6_delta_ct	numeric	39	0.00 %	
	ifna7_delta_ct	numeric	39	0.00 %	
	ifna8_delta_ct	numeric	38	0.00 %	
	ifnb1_delta_ct	numeric	38	0.00 %	
	ifng_delta_ct	numeric	6	0.00 %	
	il10_delta_ct	numeric	7	0.00 %	
	il12a_delta_ct	numeric	5	0.00 %	
	il12b_delta_ct	numeric	8	0.00 %	
	il13_delta_ct	numeric	4	0.00 %	
	il15_delta_ct	numeric	7	0.00 %	
	il16_delta_ct	numeric	12	0.00 %	
	il17a_delta_ct	numeric	6	0.00 %	
	il18_delta_ct	numeric	7	0.00 %	
	il1a_delta_ct	numeric	10	0.00 %	
	il1b_delta_ct	numeric	20	0.00 %	
	il2_delta_ct	numeric	4	0.00 %	
	il3_delta_ct	numeric	2	0.00 %	
	il4_delta_ct	numeric	5	0.00 %	
	il5_delta_ct	numeric	7	0.00 %	
	il6_delta_ct	numeric	13	0.00 %	
	il8_delta_ct	numeric	20	0.00 %	
	il9_delta_ct	numeric	18	0.00 %	
	lta_delta_ct	numeric	5	0.00 %	
	tnf_delta_ct	numeric	12	0.00 %	

Variable list

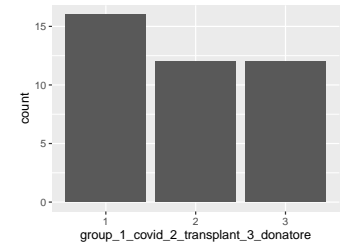
patient

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	40
Median	20.5
1st and 3rd quartiles	10.75; 30.25
Min. and max.	1; 41



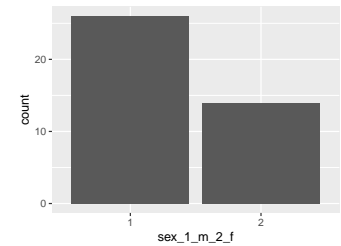
group_1_covid_2_transplant_3_donatore

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	3
Mode	"1"
Reference category	1



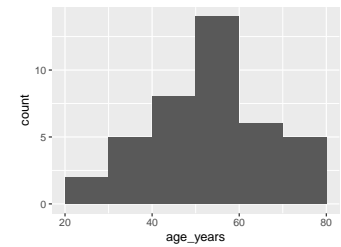
sex_1_m_2_f

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"1"
Reference category	1



age_years

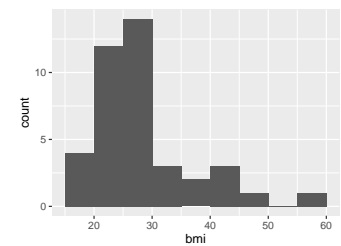
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	27
Median	57.5
1st and 3rd quartiles	45.75; 61.25
Min. and max.	22; 76



- Note that the following possible outlier values were detected: "68", "73", "75", "76".

bmi

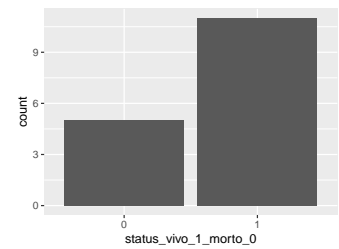
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	36
Median	26.15
1st and 3rd quartiles	23.6; 29.66
Min. and max.	18.1; 55.1



- Note that the following possible outlier values were detected: "18.1", "19", "19.6", "20", "55.1".

status_vivo_1_morto_0

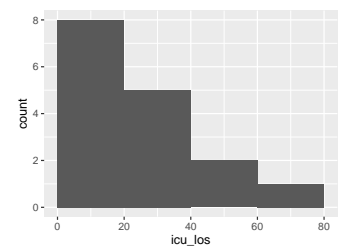
Feature	Result
Variable type	factor
Number of missing obs.	24 (60 %)
Number of unique values	2
Mode	"1"
Reference category	0



- Note that the following levels have at most five observations: "0".

icu_los

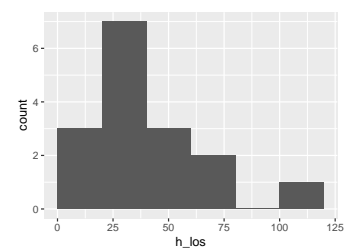
Feature	Result
Variable type	numeric
Number of missing obs.	24 (60 %)
Number of unique values	14
Median	20.5
1st and 3rd quartiles	14.5; 29.25
Min. and max.	5; 78



- Note that the following possible outlier values were detected: "5".

h_los

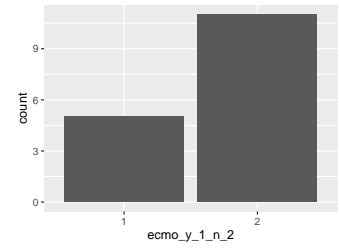
Feature	Result
Variable type	numeric
Number of missing obs.	24 (60 %)
Number of unique values	12
Median	31.5
1st and 3rd quartiles	28.75; 60
Min. and max.	11; 120



- Note that the following possible outlier values were detected: "11", "15", "18".

ecmo_y_1_n_2

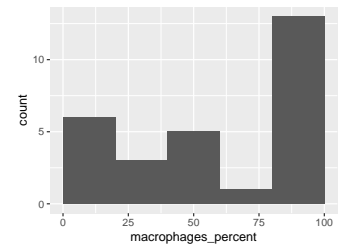
Feature	Result
Variable type	factor
Number of missing obs.	24 (60 %)
Number of unique values	2
Mode	"2"
Reference category	1



- Note that the following levels have at most five observations: "1".

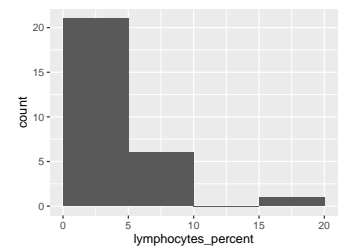
macrophages_percent

Feature	Result
Variable type	numeric
Number of missing obs.	12 (30 %)
Number of unique values	12
Median	65
1st and 3rd quartiles	40; 90
Min. and max.	3; 97



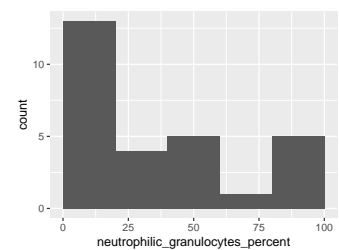
lymphocytes_percent

Feature	Result
Variable type	numeric
Number of missing obs.	12 (30 %)
Number of unique values	7
Median	2
1st and 3rd quartiles	0; 5.75
Min. and max.	0; 20



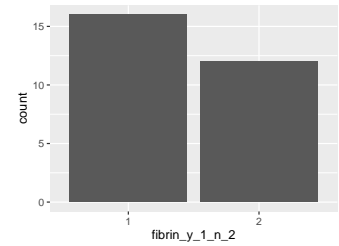
neutrophilic_granulocytes_percent

Feature	Result
Variable type	numeric
Number of missing obs.	12 (30 %)
Number of unique values	12
Median	35
1st and 3rd quartiles	0; 60
Min. and max.	0; 95



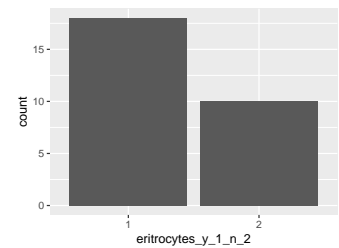
fibrin_y_1_n_2

Feature	Result
Variable type	factor
Number of missing obs.	12 (30 %)
Number of unique values	2
Mode	"1"
Reference category	1



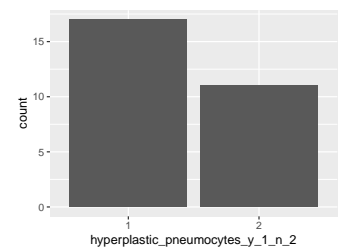
eritrocytes_y_1_n_2

Feature	Result
Variable type	factor
Number of missing obs.	12 (30 %)
Number of unique values	2
Mode	"1"
Reference category	1



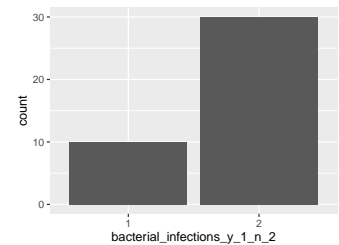
hyperplastic_pneumocytes_y_1_n_2

Feature	Result
Variable type	factor
Number of missing obs.	12 (30 %)
Number of unique values	2
Mode	"1"
Reference category	1



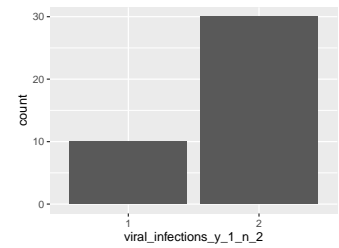
bacterial_infections_y_1_n_2

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"2"
Reference category	1



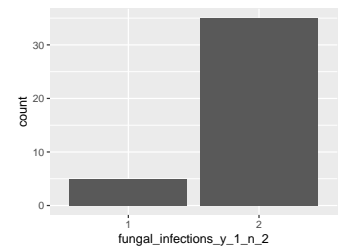
viral_infections_y_1_n_2

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"2"
Reference category	1



fungal_infections_y_1_n_2

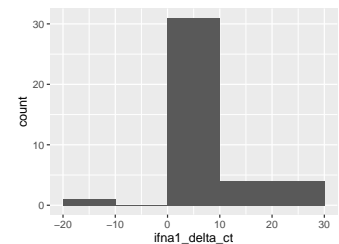
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"2"
Reference category	1



- Note that the following levels have at most five observations: "1".

ifna1_delta_ct

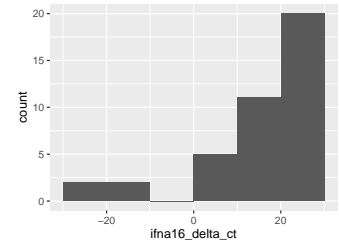
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	37
Median	7.03
1st and 3rd quartiles	6.23; 8.77
Min. and max.	-19.56; 30



- Note that the following possible outlier values were detected: "-19.56", "4.58", "4.78", "4.9", "4.99", "30".

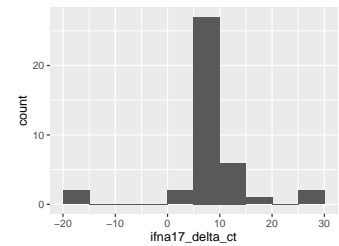
ifna16_delta_ct

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	21
Median	23.23
1st and 3rd quartiles	10.31; 30
Min. and max.	-21.65; 30



ifna17_delta_ct

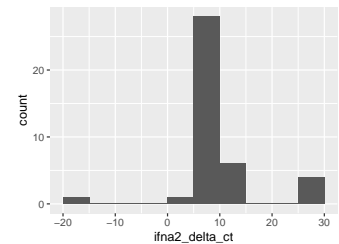
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	39
Median	8.73
1st and 3rd quartiles	7.89; 9.77
Min. and max.	-17.58; 30



- Note that the following possible outlier values were detected: "-17.58", "-16.87", "4.55", "4.82", "5.75", "16.29", "30".

ifna2_delta_ct

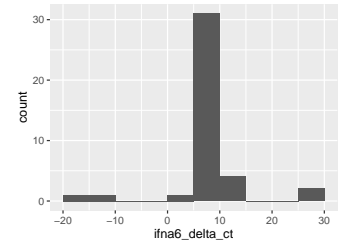
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	37
Median	8.73
1st and 3rd quartiles	7.85; 9.63
Min. and max.	-18.45; 30



- Note that the following possible outlier values were detected: "-18.45", "4.56", "6.35", "30".

ifna6_delta_ct

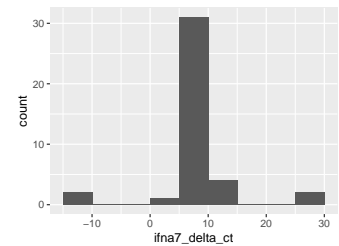
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	39
Median	7.54
1st and 3rd quartiles	6.89; 8.83
Min. and max.	-17.12; 30



- Note that the following possible outlier values were detected: "-17.12", "-12.24", "4.13", "30".

ifna7_delta_ct

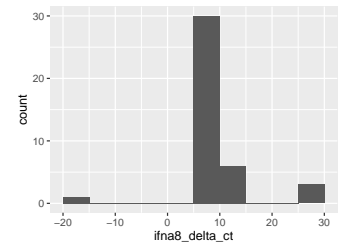
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	39
Median	7.66
1st and 3rd quartiles	6.99; 9.4
Min. and max.	-13.01; 30



- Note that the following possible outlier values were detected: "-13.01", "-11.76", "4.8", "30".

ifna8_delta_ct

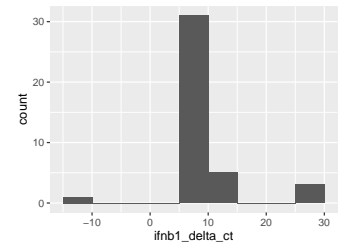
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	38
Median	8.36
1st and 3rd quartiles	7.81; 9.76
Min. and max.	-18.6; 30



- Note that the following possible outlier values were detected: "-18.6", "5.42", "5.48", "6.18", "6.77", "7.06", "30".

ifnb1_delta_ct

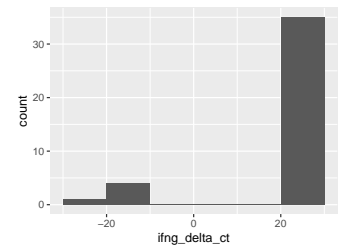
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	38
Median	8.32
1st and 3rd quartiles	7.57; 9.28
Min. and max.	-14.87; 30



- Note that the following possible outlier values were detected: "-14.87", "5.92", "6.25", "30".

ifng_delta_ct

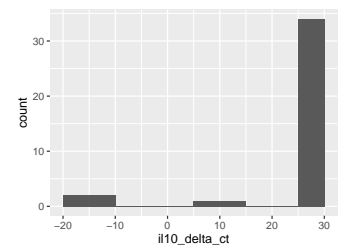
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	6
Median	30
1st and 3rd quartiles	30; 30
Min. and max.	-20.34; 30



- Note that the following possible outlier values were detected: "-20.34", "-13.16", "-12.75", "-12.2", "-11.2".

il10_delta_ct

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	7
Median	30
1st and 3rd quartiles	30; 30
Min. and max.	-18.16; 30

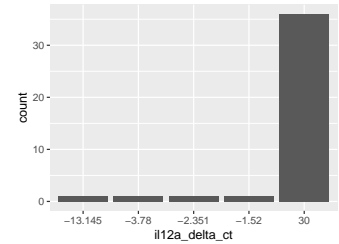


- Note that the following possible outlier values were detected: "-18.16", "-17.84", "-14.89", "-11.61", "6.36", "12.14".

il12a_delta_ct

- Note that this variable is treated as a factor variable below, as it only takes a few unique values.

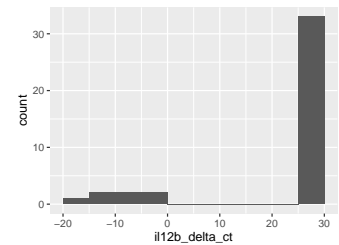
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	5
Mode	"30"
Reference category	-13.145



- Note that the following levels have at most five observations: "-1.52", "-13.145", "-2.351", "-3.78".

il12b_delta_ct

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	8
Median	30
1st and 3rd quartiles	30; 30
Min. and max.	-17.74; 30

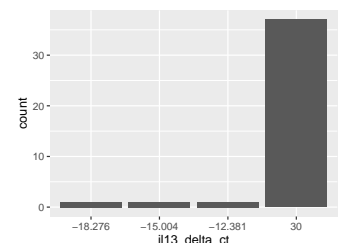


- Note that the following possible outlier values were detected: "-17.74", "-14.53", "-12.72", "-8.28", "-7", "-4.86", "-0.91".

il13_delta_ct

- Note that this variable is treated as a factor variable below, as it only takes a few unique values.

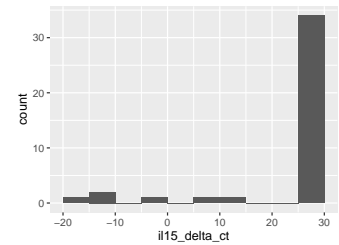
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	4
Mode	"30"
Reference category	-18.276



- Note that the following levels have at most five observations: "-12.381", "-15.004", "-18.276".

il15_delta_ct

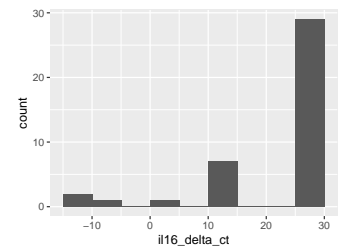
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	7
Median	30
1st and 3rd quartiles	30; 30
Min. and max.	-16.96; 30



- Note that the following possible outlier values were detected: "-16.96", "-14.79", "-10.81", "-2.35", "9.2", "12.73".

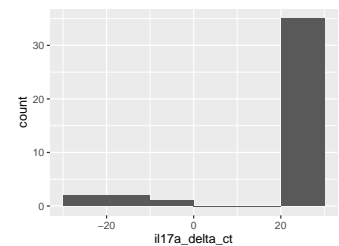
il16_delta_ct

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	12
Median	30
1st and 3rd quartiles	13.79; 30
Min. and max.	-12.09; 30



il17a_delta_ct

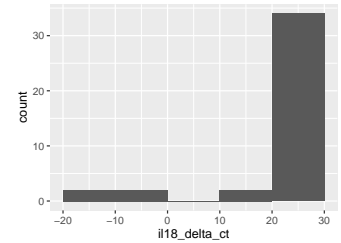
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	6
Median	30
1st and 3rd quartiles	30; 30
Min. and max.	-21.6; 30



- Note that the following possible outlier values were detected: "-21.6", "-20.17", "-14.03", "-10.82", "-3.06".

il18_delta_ct

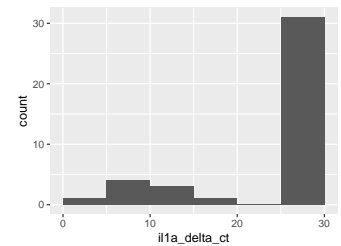
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	7
Median	30
1st and 3rd quartiles	30; 30
Min. and max.	-19.22; 30



- Note that the following possible outlier values were detected: "-19.22", "-15.7", "-6.82", "-4.71", "12.32", "15.38".

il1a_delta_ct

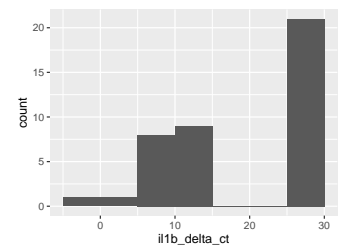
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	10
Median	30
1st and 3rd quartiles	30; 30
Min. and max.	4.31; 30



- Note that the following possible outlier values were detected: "4.31", "6.69", "6.82", "8.22", "9.32", "10.57", "11.78", "12.34", "16.66".

il1b_delta_ct

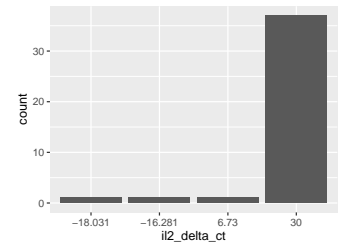
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	20
Median	30
1st and 3rd quartiles	10.02; 30
Min. and max.	-4.29; 30



il2_delta_ct

- Note that this variable is treated as a factor variable below, as it only takes a few unique values.

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	4
Mode	"30"
Reference category	-18.031

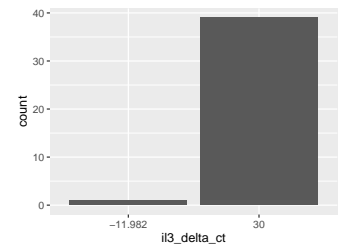


- Note that the following levels have at most five observations: "-16.281", "-18.031", "6.73".

i13_delta_ct

- Note that this variable is treated as a factor variable below, as it only takes a few unique values.

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"30"
Reference category	-11.982

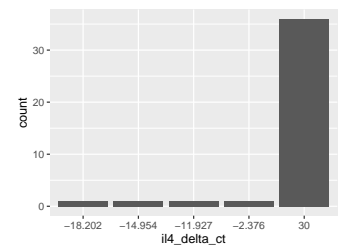


- Note that the following levels have at most five observations: "-11.982".

i14_delta_ct

- Note that this variable is treated as a factor variable below, as it only takes a few unique values.

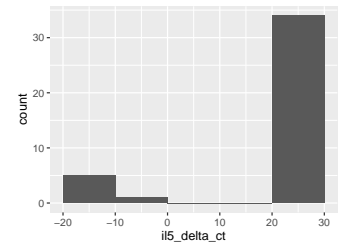
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	5
Mode	"30"
Reference category	-18.202



- Note that the following levels have at most five observations: "-11.927", "-14.954", "-18.202", "-2.376".

il5_delta_ct

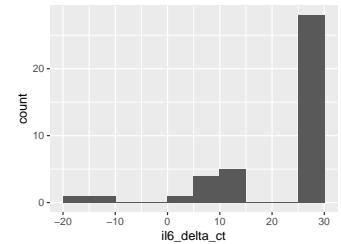
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	7
Median	30
1st and 3rd quartiles	30; 30
Min. and max.	-19.03; 30



- Note that the following possible outlier values were detected: "-19.03", "-15.37", "-14.89", "-13.94", "-13.79", "-9.18".

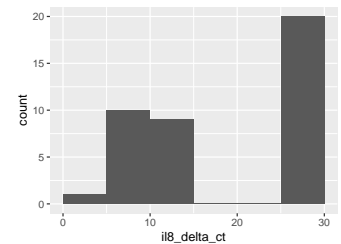
il6_delta_ct

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	13
Median	30
1st and 3rd quartiles	12.42; 30
Min. and max.	-16.19; 30



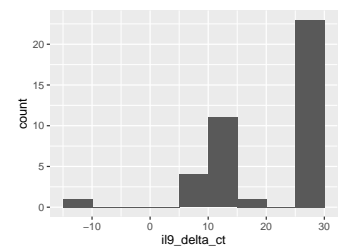
il8_delta_ct

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	20
Median	21.45
1st and 3rd quartiles	9.78; 30
Min. and max.	0.31; 30



il9_delta_ct

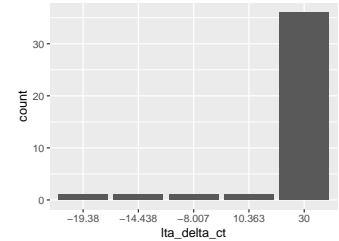
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	18
Median	30
1st and 3rd quartiles	11.57; 30
Min. and max.	-12.22; 30



lta_delta_ct

- Note that this variable is treated as a factor variable below, as it only takes a few unique values.

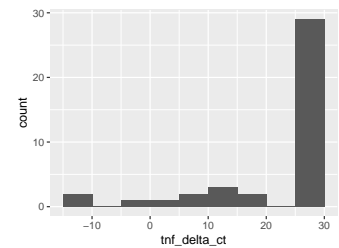
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	5
Mode	"30"
Reference category	-19.38



- Note that the following levels have at most five observations: "-14.438", "-19.38", "-8.007", "10.363".

tnf_delta_ct

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	12
Median	30
1st and 3rd quartiles	16.23; 30
Min. and max.	-13.72; 30



Report generation information:

- Created by: lucavd (username: LucaVedovelli).
- Report creation time: Thu Jul 21 2022 09:25:01
- Report was run from directory: C:/Users/LucaVedovelli/OneDrive - Unit of Biostatistics Epidemiology and Public Health/PROJECTS/2021.inflam_BAL_COVID
- dataReporter v1.0.2 [Pkg: 2021-11-11 from CRAN (R 4.2.0)]
- R version 4.2.1 (2022-06-23 ucrt).
- Platform: x86_64-w64-mingw32/x64 (64-bit)(Windows 10 x64 (build 19044)).
- Function call: makeDataReport(data = db, codebook = TRUE)