



Overview

Overview

Alerts **8**

Reproduction

Dataset statistics

Number of variables	9
Number of observations	3000
Missing cells	0
Missing cells (%)	0.0%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	187.6 KiB
Average record size in memory	64.0 B

Variable types

Text	1
Numeric	4
Categorical	1
Unsupported	3

Variables

Select Columns

audio_path

Text

UNIQUE

Distinct	3000
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Memory size	23.6 KiB

More details

class

Real number (\mathbb{R})

ZEROS

Distinct	10
Distinct (%)	0.3%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	4.5
Minimum	0
Maximum	9
Zeros	300
Zeros (%)	10.0%
Negative	0
Negative (%)	0.0%
Memory size	23.6 KiB

More details

audio_length

Real number (\mathbb{R})

Distinct	2056
Distinct (%)	68.5%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	9645.919
Minimum	3165
Maximum	50335
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	23.6 KiB

More details

mean

Real number (\mathbb{R})

UNIQUE

Distinct	3000
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	-0.0012108491
Minimum	-0.0079991147
Maximum	0.0043755667
Zeros	0
Zeros (%)	0.0%
Negative	2329
Negative (%)	77.6%
Memory size	11.8 KiB

More details

std

Real number (\mathbb{R})

UNIQUE

Distinct	3000
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	0.047229823
Minimum	0.0021330714
Maximum	0.16958527
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	11.8 KiB

More details

sample_rate

Categorical

CONSTANT

Distinct	1
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	23.6 KiB



More details

pitch

Unsupported

REJECTED UNSUPPORTED

Missing	0
Missing (%)	0.0%
Memory size	23.6 KiB

rms_energy

Unsupported

REJECTED UNSUPPORTED

Missing	0
Missing (%)	0.0%
Memory size	23.6 KiB

spectral_centroids

Unsupported

REJECTED UNSUPPORTED

Missing	0
Missing (%)	0.0%
Memory size	23.6 KiB

Interactions

class	audio_length	mean	std
std	class	audio_length	mean

Correlations

Auto

Heatmap

Table

Missing values

Count	Matrix
A simple visualization of nullity by column.	

Sample

First rows	Last rows
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	audio_path	class
0	/home/hiddenmist/Aman_Lakshay/EDA/free-spoken-digit-dataset-master/recordings/1_nicolas_39.wav	1
1	/home/hiddenmist/Aman_Lakshay/EDA/free-spoken-digit-dataset-master/recordings/1_nicolas_38.wav	1
2	/home/hiddenmist/Aman_Lakshay/EDA/free-spoken-digit-dataset-master/recordings/7_lucas_15.wav	7
3	/home/hiddenmist/Aman_Lakshay/EDA/free-spoken-digit-dataset-master/recordings/4_george_9.wav	4
4	/home/hiddenmist/Aman_Lakshay/EDA/free-spoken-digit-dataset-master/recordings/8_jackson_19.wav	8
5	/home/hiddenmist/Aman_Lakshay/EDA/free-spoken-digit-dataset-master/recordings/1_yweweler_47.wav	1
6	/home/hiddenmist/Aman_Lakshay/EDA/free-spoken-digit-dataset-master/recordings/0_yweweler_36.wav	0
7	/home/hiddenmist/Aman_Lakshay/EDA/free-spoken-digit-dataset-master/recordings/9_jackson_20.wav	9
8	/home/hiddenmist/Aman_Lakshay/EDA/free-spoken-digit-dataset-master/recordings/2_theo_7.wav	2
9	/home/hiddenmist/Aman_Lakshay/EDA/free-spoken-digit-dataset-master/recordings/8_theo_30.wav	8



Overview

Overview

Alerts **7**

Reproduction

Dataset statistics

Number of variables	5
Number of observations	10
Missing cells	0
Missing cells (%)	0.0%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	532.0 B
Average record size in memory	53.2 B

Variable types

Numeric	3
Categorical	2

Variables

Select Columns 

class

Real number (\mathbb{R})

UNIFORM UNIQUE ZEROS

Distinct	10
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	4.5
Minimum	0

Maximum	9
Zeros	1
Zeros (%)	10.0%
Negative	0
Negative (%)	0.0%
Memory size	212.0 B

[More details](#)

class_count

Categorical

CONSTANT

Distinct	1
Distinct (%)	10.0%
Missing	0
Missing (%)	0.0%
Memory size	212.0 B


[More details](#)

bal_state

Categorical

CONSTANT

Distinct	1
Distinct (%)	10.0%
Missing	0
Missing (%)	0.0%
Memory size	212.0 B


[More details](#)

class_mean

Real number (\mathbb{R})

UNIQUE

Distinct	10
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%

Infinite	0
Infinite (%)	0.0%
Mean	-0.0012108491
Minimum	-0.0012928625
Maximum	-0.0011614905
Zeros	0
Zeros (%)	0.0%
Negative	10
Negative (%)	100.0%
Memory size	212.0 B

More details

class_std

Real number (\mathbb{R})

UNIQUE

Distinct	10
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	0.047229823
Minimum	0.041453671
Maximum	0.061915
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	212.0 B

More details

Interactions

classclass_meanclass_std

class_stdclassclass_mean

Correlations

Auto

Heatmap

Table

Missing values

Count

Matrix

A simple visualization of nullity by column.

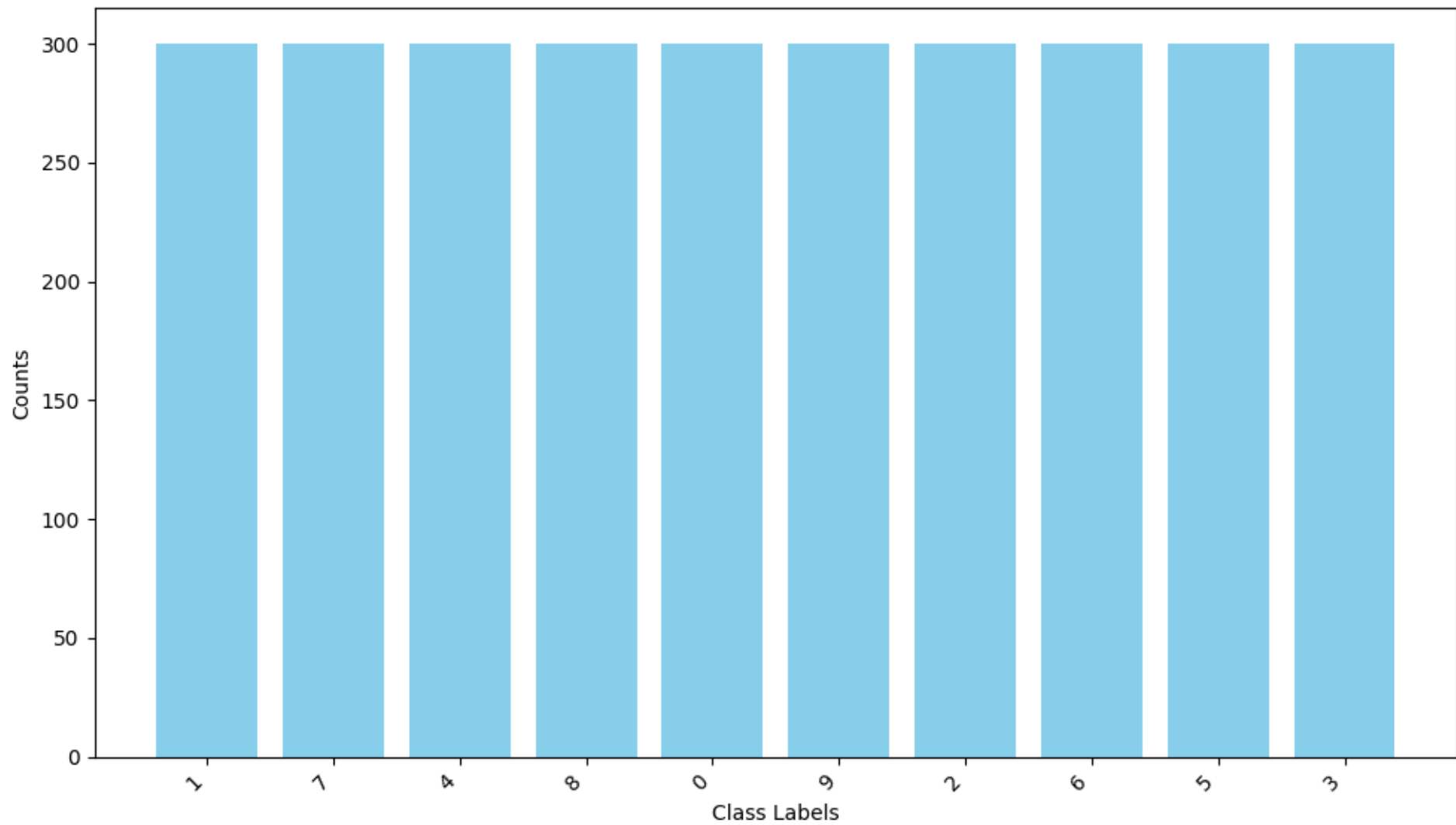
Sample

First rows

Last rows

	class	class_count	bal_state	class_mean	class_std
0	1	300	0	-0.001209	0.044717
1	7	300	0	-0.001187	0.042495
2	4	300	0	-0.001161	0.061915
3	8	300	0	-0.001248	0.050713
4	0	300	0	-0.001293	0.050344
5	9	300	0	-0.001293	0.042523
6	2	300	0	-0.001182	0.041454
7	6	300	0	-0.001182	0.041670
8	5	300	0	-0.001171	0.052769
9	3	300	0	-0.001183	0.043699

Counts of Audio Classes



First Quartile: 300.0

Median: 300.0

Third Quartile: 300.0

Class Counts Analysis:

Class '1' has count 300, which is within the quartile range.

Class '7' has count 300, which is within the quartile range.

Class '4' has count 300, which is within the quartile range.

Class '8' has count 300, which is within the quartile range.

Class '0' has count 300, which is within the quartile range.

Class '9' has count 300, which is within the quartile range.

Class '2' has count 300, which is within the quartile range.

Class '6' has count 300, which is within the quartile range.

Class '5' has count 300, which is within the quartile range.

Class '3' has count 300, which is within the quartile range.

Mean and Standard Deviation Analysis:

Class 1: Mean = -0.0008604402458667544, Std = 0.04368042011745274

Class 7: Mean = -0.0009781317127144007, Std = 0.04284416129036496

Class 4: Mean = -0.0008673874499061541, Std = 0.06093609950738028

Class 8: Mean = -0.0010552885627596708, Std = 0.04974039160413667

Class 0: Mean = -0.0012463810841753305, Std = 0.055596446559454005

Class 9: Mean = -0.001240849302013037, Std = 0.044356941929630314

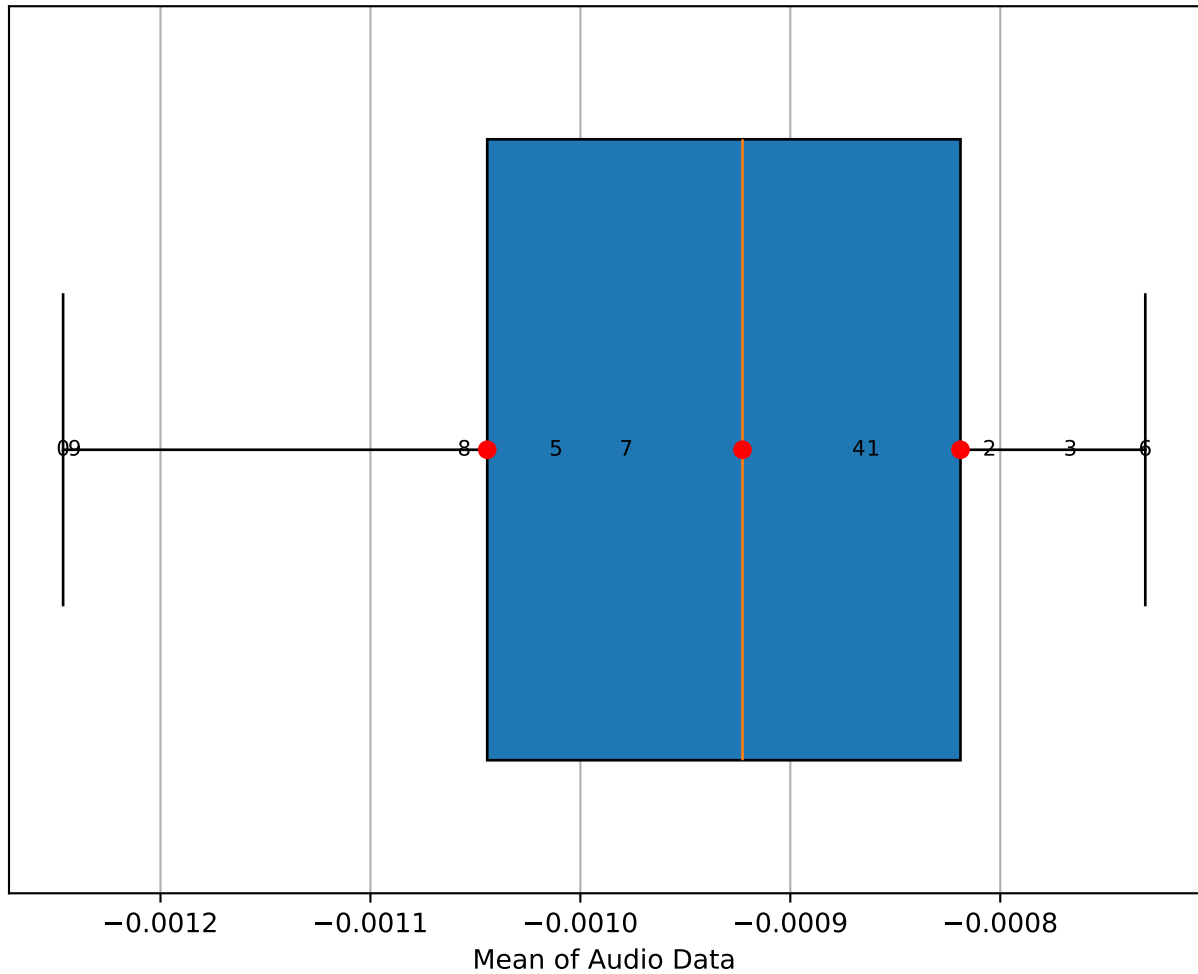
Class 2: Mean = -0.0008051069521981446, Std = 0.03946315795648843

Class 6: Mean = -0.0007309182758103816, Std = 0.04138550717073182

Class 5: Mean = -0.0010115838601091791, Std = 0.053845842729788276

Class 3: Mean = -0.0007665896043269645, Std = 0.04342827583895996

Quartiles of Mean Audio Data



Heatmap of Class_average_adjacency_matrix

