

bike

Autogenerated data summary from dataReporter

2021-08-27 17:10:59

Data report overview

The dataset examined has the following dimensions:

Feature	Result
Number of observations	731
Number of variables	16

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.

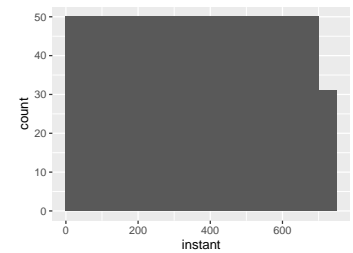
Summary table

	Variable class	# unique values	Missing observations	Any problems?
instant	numeric	731	0.00 %	
dteday	Date	731	0.00 %	
season	factor	4	0.00 %	
yr	factor	2	0.00 %	
mnth	factor	12	0.00 %	×
holiday	factor	2	0.00 %	
weekday	numeric	7	0.00 %	
workingday	factor	2	0.00 %	
weathersit	factor	3	0.00 %	
temp	numeric	499	0.00 %	
atemp	numeric	690	0.00 %	
hum	numeric	595	0.00 %	×
windspeed	numeric	650	0.00 %	×
casual	numeric	606	0.00 %	×
registered	numeric	679	0.00 %	
cnt	numeric	696	0.00 %	

Variable list

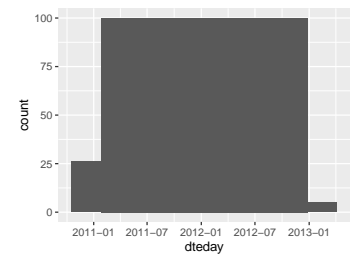
instant

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	731
Median	366
1st and 3rd quartiles	183.5; 548.5
Min. and max.	1; 731



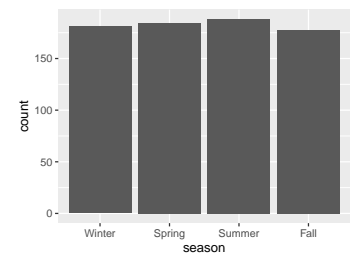
dteday

Feature	Result
Variable type	Date
Number of missing obs.	0 (0 %)
Number of unique values	731
Mode	“2011-01-01”
Min. and max.	2011-01-01; 2012-12-31
1st and 3rd quartiles	2011-07-02; 2012-07-02



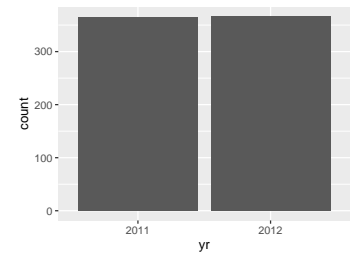
season

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	4
Mode	“Summer”
Reference category	Winter



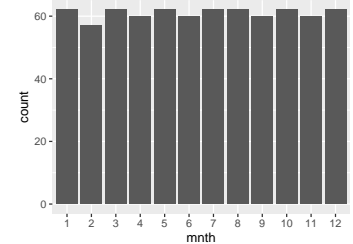
yr

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"2012"
Reference category	2011



mnth

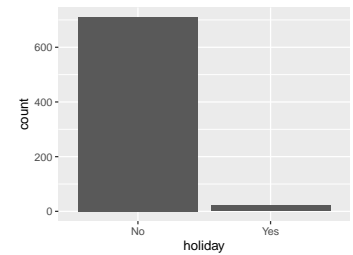
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	12
Mode	"1"
Reference category	1



- Note: The variable consists exclusively of numbers and takes a lot of different values. Is it perhaps a misclassified numeric variable?

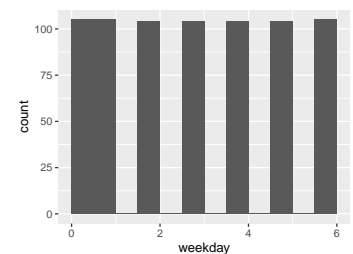
holiday

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"No"
Reference category	No



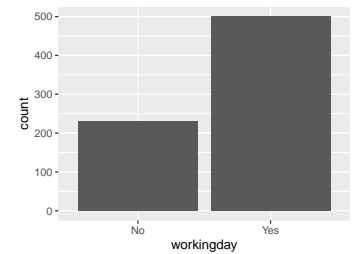
weekday

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	7
Median	3
1st and 3rd quartiles	1; 5
Min. and max.	0; 6



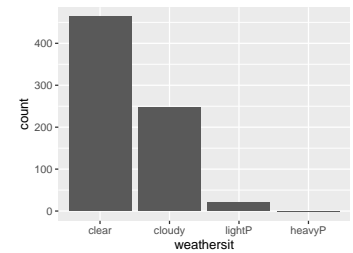
workingday

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	“Yes”
Reference category	No



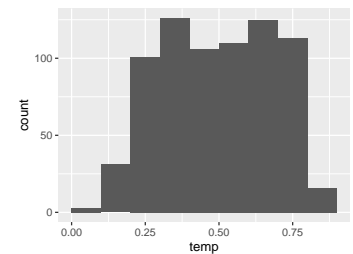
weathersit

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



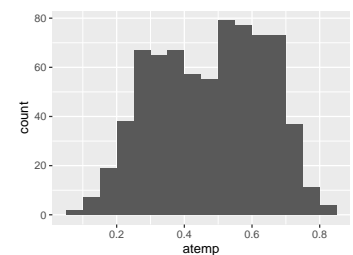
temp

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	499
Median	0.5
1st and 3rd quartiles	0.34; 0.66
Min. and max.	0.06; 0.86



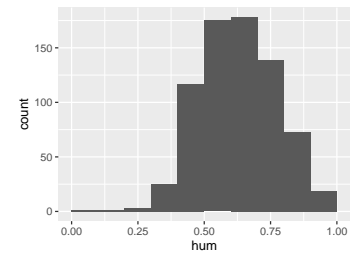
atemp

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	690
Median	0.49
1st and 3rd quartiles	0.34; 0.61
Min. and max.	0.08; 0.84



hum

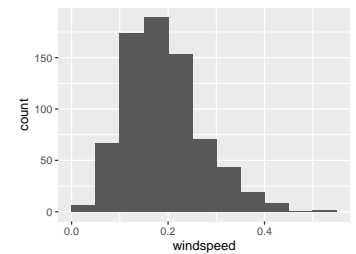
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	595
Median	0.63
1st and 3rd quartiles	0.52; 0.73
Min. and max.	0; 0.97



- Note that the following possible outlier values were detected: "0", "0.19".

windspeed

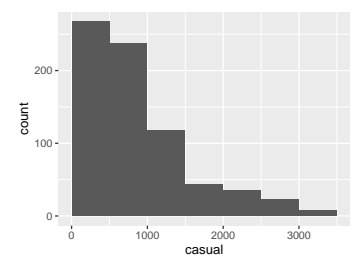
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	650
Median	0.18
1st and 3rd quartiles	0.13; 0.23
Min. and max.	0.02; 0.51



- Note that the following possible outlier values were detected: "0.02", "0.44", "0.51".

casual

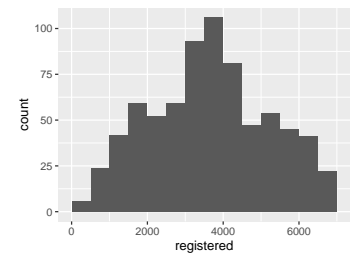
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	606
Median	713
1st and 3rd quartiles	315.5; 1096
Min. and max.	2; 3410



- Note that the following possible outlier values were detected: "2855", "2963", "3031", "3065", "3155", "3160", "3252", "3283", "3410".

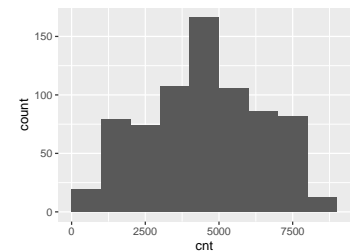
registered

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	679
Median	3662
1st and 3rd quartiles	2497; 4776.5
Min. and max.	20; 6946



cnt

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	696
Median	4548
1st and 3rd quartiles	3152; 5956
Min. and max.	22; 8714



Report generation information:

- Created by: Catherine Hurley (username: `catherine`).
- Report creation time: Fri Aug 27 2021 17:10:59
- Report was run from directory: `/Users/catherine/cbh/classes/data viz/CRT short course/CRT2021vis`
- dataReporter v1.0.0 [Pkg: 2020-12-14 from CRAN (R 4.1.0)]
- R version 4.1.0 (2021-05-18).
- Platform: x86_64-apple-darwin17.0 (64-bit)(macOS Big Sur 10.16).
- Function call: `dataReporter::makeDataReport(data = bike, replace = TRUE)`