bike

Autogenerated data summary from dataReporter

2022-08-24 17:34:59

Data report overview

The dataset examined has the following dimensions:

Feature	Result
Number of observations	731
Number of variables	18

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.

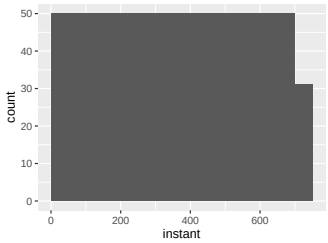
Summary table

	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	numeric	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 %	
month	factor	12	0.00 %	
yday	numeric	366	0.00 %	

Variable list

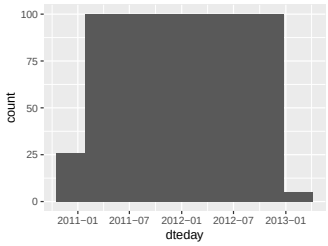
instant

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



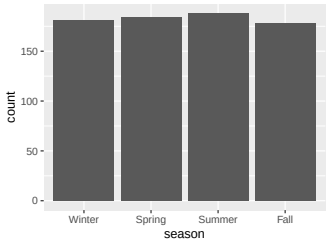
dteday

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



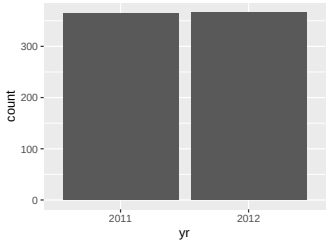
season

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



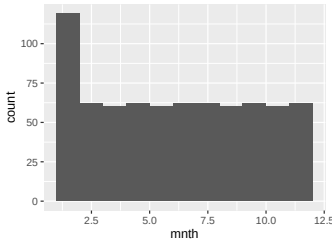
yr

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



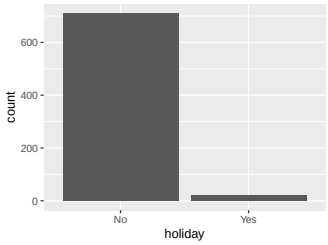
mnth

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	12
Median	7
1st and 3rd quartiles	4; 10
Min. and max.	1; 12



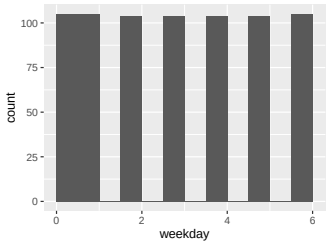
holiday

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



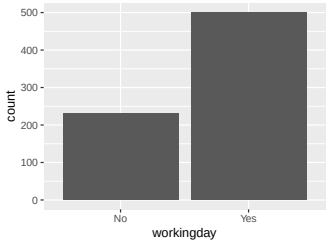
weekday

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



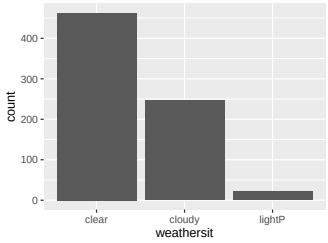
workingday

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



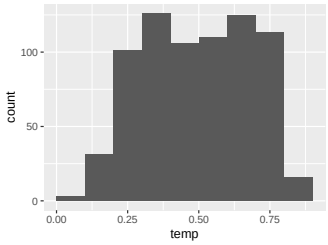
weathersit

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



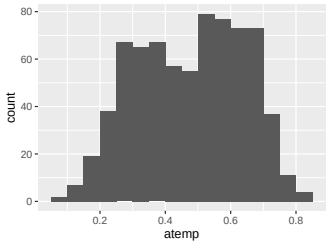
temp

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



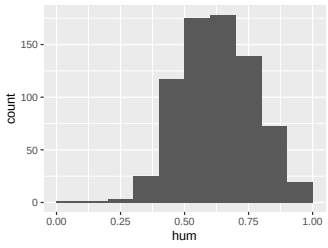
atemp

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".

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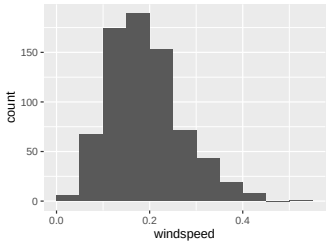
windspeed

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".

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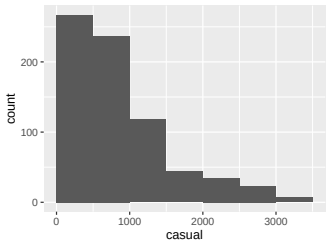
casual

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".

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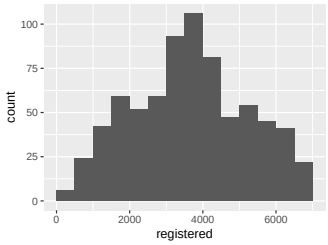
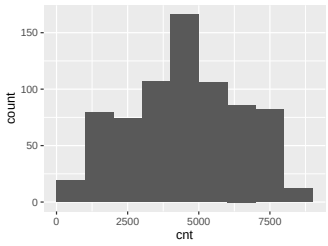
registered

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



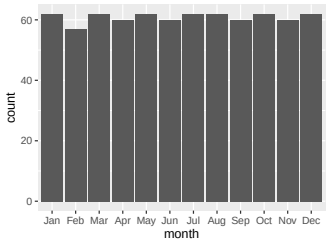
cnt

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



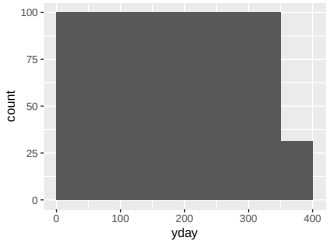
month

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



yday

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	366
Median	183
1st and 3rd quartiles	92; 274.5
Min. and max.	1; 366



Report generation information:

- Created by: Catherine Hurley (username: `catherine`).
- Report creation time: Wed Aug 24 2022 17:34:59

- Report was run from directory: `/Users/catherine/cbh/classes/ST302 data viz/CRT short course Sep22/CRT2022vis`
- dataReporter v1.0.2 [Pkg: 2021-11-11 from CRAN (R 4.2.0)]
- R version 4.2.1 (2022-06-23).
- Platform: aarch64-apple-darwin20 (64-bit)(macOS Monterey 12.5.1).
- Function call: `dataReporter::makeDataReport(data = bike, replace = TRUE)`