

MVLU COLLEGE

PRACTICAL NO. 2

Aim: Creating datasets from raw data (text files, CSV files, Excel sheets) and importing data into SAS/SPSS/R.

model	year	region	color	fuel_type	transmission	engine_size_l	mileage_km	price_usd	sales_volume	sale
1 5 Series	2016	Asia	Red	Petrol	Manual	3.5	151748	98740	8300	L
2 i8	2013	North America	Red	Hybrid	Automatic	1.6	121671	79219	3428	L
3 5 Series	2024	North America	Blue	Petrol	Automatic	4.5	10991	113265	6994	L
4 X3	2024	Middle East	Blue	Petrol	Automatic	1.7	27255	60971	4047	L
5 7 Series	2020	South America	Black	Diesel	Manual	2.1	122131	49898	3080	L
6 5 Series	2017	Middle East	Silver	Diesel	Manual	1.9	171362	42926	1232	L
7 i8	2024	Europe	White	Diesel	Manual	1.8	196741	55064	7949	H
8 M5	2014	Asia	Black	Diesel	Automatic	1.6	121156	102778	632	L
9 X3	2016	South America	White	Diesel	Automatic	1.7	48073	116482	8944	H
10 i8	2016	Europe	White	Electric	Manual	3.0	35700	96257	4411	L
11 3 Series	2012	Middle East	White	Electric	Manual	2.4	101595	117995	500	L
12 i8	2016	North America	Blue	Hybrid	Manual	1.9	116963	74539	8252	H
13 7 Series	2020	North America	Silver	Diesel	Automatic	3.8	27400	100015	8111	H
14 5 Series	2020	Africa	White	Electric	Manual	2.3	163444	119486	4668	L
15 X1	2017	Asia	Black	Electric	Automatic	1.6	107918	34078	7291	H
16 M3	2014	North America	Silver	Hybrid	Manual	3.0	154050	94997	7765	H
17 X5	2013	Asia	Blue	Electric	Manual	2.6	110142	114844	5561	L
18 M5	2017	North America	Red	Diesel	Automatic	2.6	86900	61934	9755	H

Showing 1 to 18 of 99 entries, 11 total columns

Console | Background Jobs x

```
R version 4.5.2 (2023-10-31 ucrt) -- "[Not] Part in a Rumble"
Copyright (C) 2023 The R Foundation for Statistical Computing
Platform: x86_64-w64-mingw32/x64

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Natural language support but running in an English locale
```

R 4.5.2 - ~

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R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

> library(readr)
> Cleaned_Car_Price_Prediction <- read_csv("C:/Users/DELL/Desktop/siya/Cleaned_Car_Price_Prediction.csv")
Rows: 199 Columns: 10
Column specification:
Delimiter: ","
chr (5): brand, fuel_type, transmission, condition, model
dbl (5): car_id, year, engine_size, mileage, price

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
> View(Cleaned_Car_Price_Prediction)
> library(readxl)
> Cleaned_Student_Performance <- read_excel("C:/Users/DELL/Desktop/siya/Cleaned_Student_Performance.xlsx")
> View(Cleaned_Student_Performance)
> |
```

Environment History Connections Tutorial

Import Dataset 221 MB Global Environment

Data

- Cleaned_Car_Price_Prediction 199 obs. of 10 variables
- Cleaned_Student_Performance 399 obs. of 20 variables

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Source

Untitled1 Cleaned_Car_Price_Prediction Cleaned_Student_Performance

	car_id	brand	year	engine_size	fuel_type	transmission	mileage	condition	price	model
1	1	Tesla	2016	2.3	Petrol	Manual	114832	New	26613.92	Model X
2	2	BMW	2018	4.4	Electric	Manual	143190	Used	14679.61	5 Series
3	3	Audi	2013	4.5	Electric	Manual	181601	New	44402.61	A4
4	4	Tesla	2011	4.1	Diesel	Automatic	68682	New	86374.33	Model Y
5	5	Ford	2009	2.6	Diesel	Manual	223009	Like New	73577.10	Mustang
6	6	Audi	2019	2.4	Diesel	Automatic	246553	Like New	88969.76	Q7
7	7	Audi	2020	4.0	Electric	Automatic	135406	Used	63498.75	Q5
8	8	Tesla	2017	5.3	Hybrid	Automatic	83030	New	17381.19	Model Y
9	9	Honda	2023	5.7	Electric	Manual	120360	Like New	15905.62	Civic
10	10	Ford	2010	1.5	Electric	Automatic	135009	Like New	9560.22	Explorer
11	11	Tesla	2001	1.8	Diesel	Automatic	298875	Like New	58872.60	Model 3
12	12	Ford	2017	5.7	Electric	Automatic	169737	Used	28074.19	Mustang
13	13	Ford	2006	4.7	Petrol	Automatic	114360	New	74766.45	Fiesta
14	14	Audi	2023	5.4	Electric	Automatic	263894	Like New	70193.74	Q7
15	15	BMW	2014	2.0	Electric	Automatic	65018	New	35220.52	X3
16	16	Ford	2010	3.9	Electric	Automatic	240904	Used	21796.16	Mustang
17	17	Mercedes	2017	4.5	Electric	Automatic	136817	New	14728.03	GLA
18	18	Audi	2022	4.4	Hybrid	Automatic	192803	Like New	75044.95	A3
19	19	Honda	2011	3.0	Electric	Automatic	86984	New	47791.89	Civic
20	20	BMW	2005	1.1	Petrol	Automatic	290595	New	35735.34	X5

Show 1 to 20 of 199 entries, 10 total columns

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Untitled1 Cleaned_Car_Price_Prediction Cleaned_Student_Performance

Filter

	hours_studied	attendance	parental_involvement	access_to_resources	extracurricular_activities	sleep_hours	previous_scores	motivation_level	internet_access	tutoring_sessions	family_inc
1	23	84	Low	High	No	7	73	Low	Yes		0 Low
2	19	64	Low	Medium	No	8	59	Low	Yes		2 Mediur
3	24	98	Medium	Medium	Yes	7	91	Medium	Yes		2 Mediur
4	29	89	Low	Medium	Yes	8	98	Medium	Yes		1 Mediur
5	19	92	Medium	Medium	Yes	6	65	Medium	Yes		3 Mediur
6	19	88	Medium	Medium	Yes	8	89	Medium	Yes		3 Mediur
7	29	84	Medium	Low	Yes	7	68	Low	Yes		1 Low
8	25	78	Low	High	Yes	6	50	Medium	Yes		1 High
9	17	94	Medium	High	No	6	80	High	Yes		0 Mediur
10	23	98	Medium	Medium	Yes	8	71	Medium	Yes		0 High
11	17	80	Low	High	No	8	88	Medium	No		4 Mediur
12	17	97	Medium	High	Yes	6	87	Low	Yes		2 Low
13	21	83	Medium	Medium	Yes	8	97	Low	Yes		2 Mediur
14	9	82	Medium	Medium	Yes	8	72	Medium	Yes		2 Mediur
15	10	78	Medium	High	Yes	8	74	Medium	Yes		1 Low
16	17	68	Medium	Medium	No	8	70	Medium	Yes		2 Mediur
17	14	60	Medium	Low	Yes	10	65	Low	Yes		0 High
18	22	70	Low	Medium	Yes	6	82	Medium	Yes		1 Low
19	15	80	Medium	Medium	Yes	9	91	Low	Yes		3 Low

Showing 1 to 19 of 399 entries, 20 total columns

Console

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