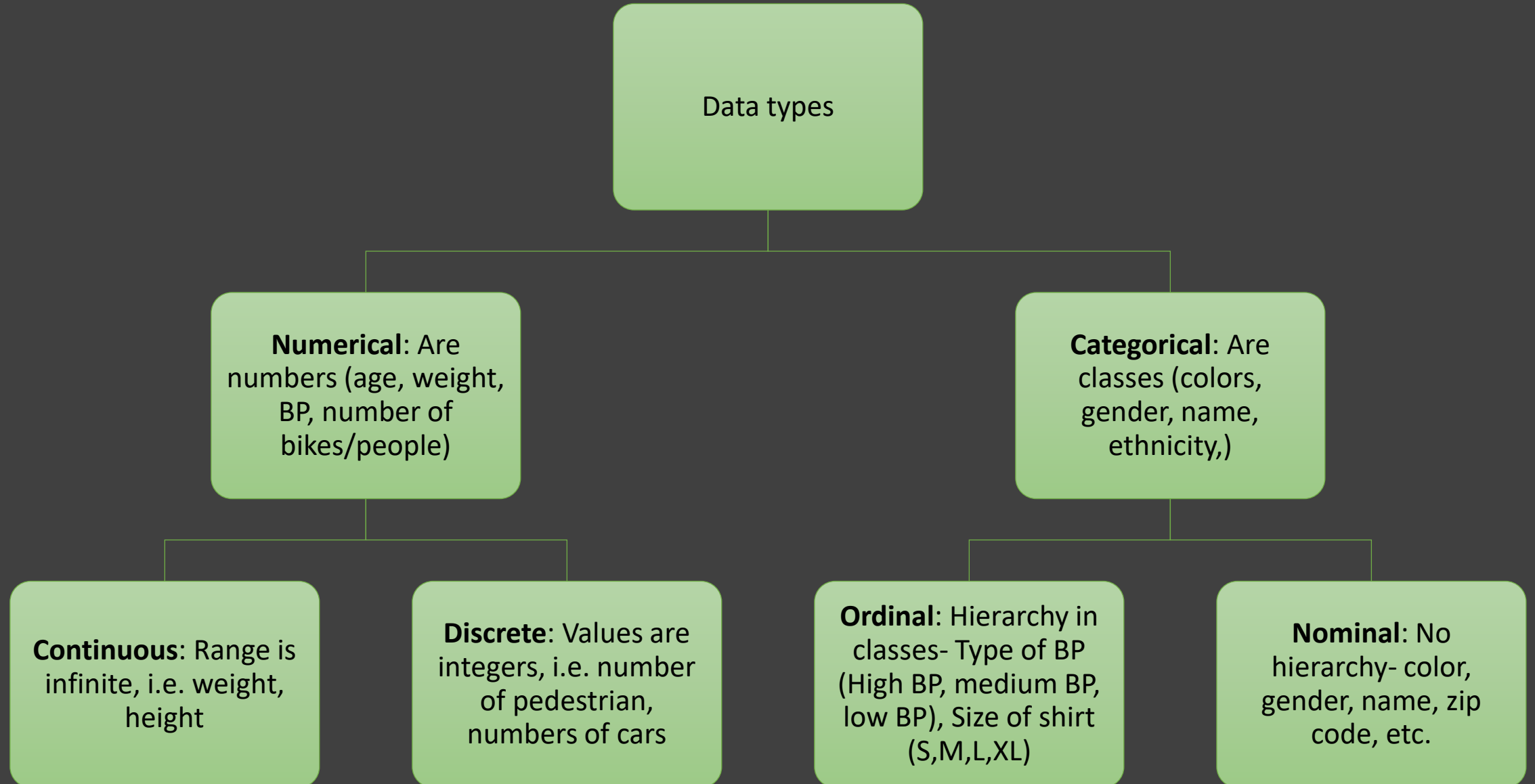


# Types of Data

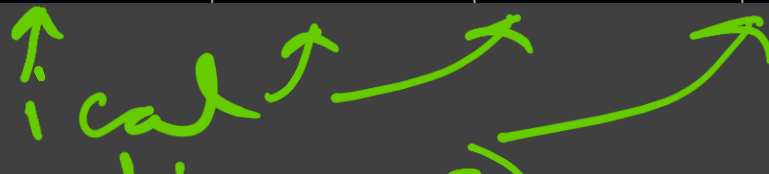
# Types of data:



# Types of data: Examples

1	Id	SepalLengthCm	SepalWidthCm	PetalLengthCm	PetalWidthCm	Species
2	1	5.1	3.5	1.4	0.2	Iris-setosa
3	2	4.9	3.0	1.4	0.2	Iris-setosa
4	3	4.7	3.2	1.3	0.2	Iris-setosa
5	4	4.6	3.1	1.5	0.2	Iris-setosa
6	5	5.0	3.6	1.4	0.2	Iris-setosa
7	6	5.4	3.9	1.7	0.4	Iris-setosa
8	7	4.6	3.4	1.4	0.3	Iris-setosa
9	8	5.0	3.4	1.5	0.2	Iris-setosa
10	9	4.4	2.9	1.4	0.2	Iris-setosa
11	10	4.9	3.1	1.5	0.1	Iris-setosa

Numerical  
(Continuous)



Categorical  
(nominal)



# Types of data: Examples

1	total_bill	tip	sex	smoker	day	time	size
2	16.99	1.01	Female	No	Sun	Dinner	2
3	10.34	1.66	Male	No	Sun	Dinner	3
4	21.01	3.5	Male	No	Sun	Dinner	3
5	23.68	3.31	Male	No	Sun	Dinner	2
6	24.59	3.61	Female	No	Sun	Dinner	4
7	25.29	4.71	Male	No	Sun	Dinner	4
8	8.77	2.0	Male	No	Sun	Dinner	2
9	26.88	3.12	Male	No	Sun	Dinner	4
10	15.04	1.96	Male	No	Sun	Dinner	2
11	14.78	3.23	Male	No	Sun	Dinner	2

Can be  
Categorical-ordinal

↑  
Numerical  
(discrete)

Numerical  
(Continuous)

← Categorical  
(nominal)

# Types of data: Examples

H	I	J	K	L	M	N	O	P	Q	R	S	T	U
Month	Status	Channel	SKU	Category	Size	Qty	currency	Amount	ship-city	ship-state	ship-postal-code	ship-country	B2B
Dec	Delivered	Myntra	JNE1233-BLUE-KR-031-XXL	kurta	XXL	1	INR	376	MOHALI	PUNJAB	140301	IN	FALSE
Dec	Delivered	Myntra	JNE1233-BLUE-KR-031-XXL	kurta	XXL	1	INR	376	MOHALI	PUNJAB	140301	IN	FALSE
Dec	Delivered	Myntra	SET261-KR-PP-S	Set	S	1	INR	453	KOLKATA	WEST BENGAL	700029	IN	FALSE
Dec	Delivered	Amazon	SET110-KR-PP-M	Set	M	1	INR	729	THANJAVUR	TAMIL NADU	613007	IN	FALSE
Dec	Delivered	Myntra	JNE2294-KR-A-XXL	kurta	XXL	1	INR	544	GURUGRAM	HARYANA	122001	IN	FALSE
Dec	Delivered	Flipkart	JNE3797-KR-XXL	Western Dress	XXL	One	INR	735	SANGLI MIRAJ KUPWAD	MAHARASHTRA	416436	IN	FALSE
Dec	Delivered	Meesho	JNE3801-KR-XXL		XXL	One	INR	735	BENGALURU	KARNATAKA	560029	IN	FALSE
Dec	Delivered	Others	JNE3405-KR-M	kurta	M	One	INR	435	GURUGRAM	HARYANA	122001	IN	FALSE
Dec	Delivered	Amazon	JNE3474-KR-E-XL	kurta	XL	One	INR	385	BENGALURU	KARNATAKA	562149	IN	FALSE
Dec	Delivered	Myntra	JNE3466-KR-L	kurta	L	One	INR	771	VIJAYAWADA	ANDHRA PRADESH	520002	IN	FALSE
Dec	Delivered	Amazon	JNE3795-KR-S	kurta	S	One	INR	517	THIRUVANANTHAPURAM	KERALA	695018	IN	FALSE
Dec	Delivered	Myntra	J0181-TP-M	Top	M	1	INR	399	ARAKONAM	TAMIL NADU	631003	IN	FALSE
Dec	Delivered	Amazon	SET217-KR-PP-XL	Set	XL	1	INR	786	GUWAHATI	ASSAM	781017	IN	FALSE
Dec	Delivered	Myntra	SET185-KR-NP-M	Set	M	1	INR	911	BENGALURU	KARNATAKA	562125	IN	FALSE
Dec	Delivered	Amazon	SET333-KR-DPT-M	Set	M	1	INR	967	HYDERABAD	TELANGANA	500098	IN	FALSE
Dec	Delivered	Nalli	J0124-TP-L	Top	L	1	INR	523	NEW DELHI	DELHI	110062	IN	FALSE
Dec	Delivered	Meesho	SET304-KR-DPT-XL	Set	XL	1	INR	1115	Bhubaneswar	ODISHA	751022	IN	FALSE
Dec	Delivered	Others	SET184-KR-PP-XS	Set	XS	1	INR	563	SIROHI	RAJASTHAN	307001	IN	FALSE
Dec	Delivered	Myntra	J0161-DR-XXL	Western Dress	XXL	1	INR	473	MUMBAI	MAHARASHTRA	400097	IN	FALSE
Dec	Delivered	Amazon	SET233-KR-PP-M		M	1	INR	545	AMRITSAR	PUNJAB	143001	IN	FALSE
Dec	Delivered	Nalli	J0231-SKD-XXXL	Set	3XL	1	INR	1164	LUCKNOW	UTTAR PRADESH	226024	IN	FALSE
Dec	Refunded	Myntra	J0339-DR-XXL	Western Dress	XXL	1	INR	743	NEW DELHI	DELHI	110087	IN	FALSE

↑ ↑ ↑  
Categorical  
(Nominal)

↑  
Categorical  
(ordinal)

↑ ↑ ↑  
Categorical  
(Nominal)

# Types of data: Examples

H	I	J	K	L	M	N	O	P	Q	R	S	T	U
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Dec	Delivered	Myntra	JNE2294-KR-A-XXL	kurta	XXL	1	INR	544	GURUGRAM	HARYANA	122001	IN	FALSE
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↑  
Numerical  
(discrete)

# What types of data are **collected**?

- **Structured data:** Data that can be organized into columns, such as in a spreadsheet
- **Unstructured data:** Data that can't be organized into columns, such as text, photos, or videos
- **Categorical data:** Data that represents an object using categories, such as gender, color of shirt, etc.
- **Numerical data:** Data that is collected as numbers, such as the number of students in a class
- **Time series data:** Data that is collected over time, such as temperature readings or stock exchange data
- **Text data:** Data that is text-based, such as articles or blogs