

IF(B2<40,"COLD",IF(B2>80,"HOT","MILD"))

If temp<40, climate = "Cold", if temp>80, climate = "Hot", otherwise climate = "Mild"

=IF(OR(F2="Rain",F2="Snow"),"Wet","Drv")

Here we're categorizing conditions as "Wet" if the precipitation type equals "rain" OR "snow". otherwise Conditions = "Dry"

#### =IF(AND(D2="Yes",C2>0), "Snow",IF(AND(D2="No",C2>0), "Rain", "None"))

If the temp is below freezing AND the amount of precipitation > 0, then Precip Type = "Snow", if the temp is above freezing AND the amount of precipitation >0, then Precip Type = "Rain", otherwise Precip Type = "None"

=IF(AND(D2="Yes",C2>0),"Snow",IF(AND(D2="No",C2>0),"Rain","None"))

If the temp is below freezing AND the amount of precipitation > 0, then Precip Type = "Snow", if the temp is above freezing AND the amount of precipitation >0, then Precip Type = "Rain", otherwise Precip Type = "None"

## =IFERROR(value, value\_if\_error)

Formula or value that may or Value returned in the may not result in an error

case of an error

ISBLANK = Checks whether the reference cell or value is blank

ISNUMBER = Checks whether the reference cell or value is numerical

ISTEXT = Checks whether the reference cell or value is a text string

ISERROR = Checks whether the reference cell or value returns an error.

ISEVEN = Checks whether the reference cell or value is even

ISODD = Checks whether the reference cell or value is odd

ISLOGICAL = Checks whether the reference cell or value is a logical operator.

ISFORMULA = Checks whether the reference cell or value is a formula

A	В	C	D	
Value				
90		Sample Size	19	=COUNT(A2:A20)
13				
22		Average:	51.47	=AVERAGE(A2:A20)
98				
61		Median:	54	=MEDIAN(A2:A20)
68				
50		Mode:	22	=MODE(A2:A20)
91				
16		Max:	98	=MAX(A2:A20)
23 60		Min:	13	=MIN(A2:A20)
22		MIII.	13	=IVIIIV(AZ:AZU)
56		25th Percentile	23	=PERCENTILE(A2:A20, 25)
54				- Enocities (ne.neo, so)
87		75th Percentile	68	=PERCENTILE(A2:A20, 75)
33				
68		Standard Deviation	28	=STDEV(A2:A20)
45		3		
21		Variance	767	=VAR(A2:A20)

#### 1 Value 2 3 13 4 22 5 98 6 61 7 68 8 50

### LARGE(A2:A8,2) = 90

(the 2nd largest number in the array is 90)

SMALL(A2:A8,3) = 50

(the 3rd smallest number in the array is 50)

	A	This just give rank of
1	Value	value
2	90	RANK(A2,A2:A8) = 2
3	13	RANK(A3,A2:A8) = 7 (lowest)
4	22 -	RANK(A4,A2:A8) = 6
5	98	RANK(A5,A2:A8) = 1 (highest)
6	61 =	RANK(A6,A2:A8) = 4
7	68 =	RANK(A7,A2:A8) = 3
8	50 =	RANK(A8,A2:A8) = 5

Quantity of goods sold at Shaws:

SUMPRODUCT((A2:A17="Shaws")\*C2:C17) = 16

Total revenue from Shaws:

SUMPRODUCT((A2:A17="Shaws")\*C2:C17\*D2:D17) = \$21.80

Revenue from apples sold at Shaws:

SUMPRODUCT((A2:A17="Shaws")\*(B2:B17="Apple")\*C2:C17\*D2:D17) =

	0	1	c	n
P	u		J	u

	A	8	C	D
1	Store	Product	Quantity	Price
2	Stop & Shop	Apple	2	50.50
3	Shaws	Banana	4	\$1.00
4	Market Basket	Banana	3	\$1.00

=COUNTIF(range, criteria)

=SUMIF(range, criteria, sum\_range)

=AVERAGEIF(range, criteria, average\_range)

COUNTIF(B2:B20.22) = 2

SUMIF(A2:A20, "Ryan", B2:B20) = 190

SUMIF(A2:A20,"<>Tim",B2:B20) = 702

AVERAGEIF(A2:A20, "Maria", B2:B20) = 45.75

Note ryan,tim,maria are in that column of a2:a20 then give sum om b

=COUNTIFS(criteria\_range1, criteria1, criteria\_range2, criteria2...)

=SUMIFS(sum range, criteria range1, criteria1, criteria range2, criteria2...)

=AVERAGEIFS(average range, criteria range1, criteria1, criteria range2, criteria2...)

COUNTIFS(B2:B13, "Search", D2:D13, ">200") = 3

SUMIFS(D2:D13, A2:A13, "Feb", B2:B13, "Display") = 734

AVERAGEIFS(D2:D13, A2:A13, "Jan", C2:C13, "MSN") = 263

Another way of use

# D2=HLOOKUP(A2, \$H\$1:\$L\$2, 2, 0)

A2 is the cell in the vertical table we want to fill and that have looking value

This is the table with horizontal value we want

We want the stuff from the second col in the horizontal table

COLUMN(C10) = 3

Columns give nor of col reference nor c is nor 3

COLUMNS(A10:D15) = 4

Columns give nbr of col btwen a10 and d15

ROW(C10) = 10 Columns give nbr of row reference look c10 is an row nbr 10

ROWS(A10:D15) = 6 Columns give nbr of row btwen a10 and d15

The INDEX function returns the value of a specific cell within an array

## =INDEX(array, row\_num, column\_num)

What range of cells are you looking at? How many rows down is the value vou want?

How many columns over is the value you want?

INDEX(\$A\$1:\$C\$5, 5, 3) = 234



