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	Mission Name: Group Summary Statistics
*	CASE clatice: bear of tomos moits of stoppings to
	Syntax:-
	CASE
	WHEN Scandition-1> THEN & value -12 - 7010 M TOSIA
	WHEN (condition=2) THEN (Svalue=2) (C.) NVA
	ELSE (value: 13) Dong Inter 2 A (Loter) MUZ
	END AG Change with manifestable whose courses MOMA
Optional	the state of the s
Or	29:-
	SELECT Major, Sample: size; 21 bluede AMIVAH &
•/1	CASE LIBERT COT AMON OUR SMINAY SOUDED DE
	WHEN Sample-size < 200 THEN "Small"
(hat	WHEN Sample size >= 200 AND Sample size X 1000 THEN "Medium
	WHEN Sample size >= 1000 THEN LARGE" 31
	END AS Sample Category Aliving proposition
	FROM recent-grads
	* Caller of Everation!
*	group statistics are calculated only for columns in which
	the value represents categories. MOST .
	CB MARKO A SHARWAY C
*	GROUP BY SQL Statement allows us to do so
	คนบังหน้าย
	Eg: - SELECT Major_category, SUM(Total) AS Total_graduates
	FROM recent-grads GROUP BY Major category
1	0
*	SELECT, Major category, AVG (Share Women) AS Average - women
	FROM recent-grade GROUP By Major-category.
	Sylvane Wanter 2)
*	Multiple Summary Statestics By Group:
- (iGrae	w. Kalymed 20 (Proposovianous Constant Tables - 25
	Sair SELECT Major and transmitted the first the and act
	Eg: - SELECT Major_category; SUM (whomen) AS Total_women,
	AVG (snaneWomen) AS Medin-women, sum (Total)*AVG (share-
1	Women) AS Estimate-women FROM recent-grads
	GROUP BY Major-category.
	II • • • • • • • • • • • • • • • • • •



	rage
	GROUP By can also be used over multiple columns.
*	Aggregate functions cannot be used with group by
	Eg:- 3:40
	SELECT Major_category, Sample_category,
	AVG (ShareWomen) L'AST Mean Women , 11 3104
-	SUM (Total) As Total-goodwates
***************************************	FROM new-grads group By Major-category
	Sample-category;
*	HAVING should be used with GROUP BY not WHERE
	because HAVING also works for virtual column.
\rightarrow	Eq :- "Harris MAHT 000 > 10 1 13111/
	SELECT Major-category, AVG(Low wage job) /AVG(Total)
	AS share low wage From new grads GROVPUBY
	Major category HAVING Share low wage >011
*	Orden of Execution:
- نے باراز او	acomposate was established and the columns of
	I. FROM .5.3ELECT. Harangis outer out
	2. WHERE 6. ORDER BY
	3. GROUP, BY . 7. LIMIT TO MENTED 198 PR CHOUP F
	y. HAVING
	ROUNDIC) Function - word do of trains MONI
	ROUNDIES regulations was a many was a
asatou	Syntax: ROUND(coliname, no of decimal places)
	Soji ROUND (Shane Women 12)
	agracio (sa sitate promonio sigis was to
	Sg: - SELECT ROUND (Sharle Women, 4) AS Rounded womens
219-1181 9	Inter in (Major: category, roint Total
- Jane	FROM new-grads LIMIT 10 515 mily 100
	Ling these MORT removes towards is a (various
	Grown by Moje cotegony



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17	*	Nesting Functions:
Land L		
1		SELECT Major_category,
,		ROUND (AVU (College-job)/AVU(Total), 3) AS
,		Share-degree-jobs FROM new-grads GROUP BY Major-category HAVING
7		Share dearn jobs < 0:3
7		Shane-degree, jobs < 0.3
7	*	If two columns with integer values are divided,
_		then SQLite will mund down and return integer
_		values.
-		Eg: 282/2339 will become 0 instead of 0.120.
_	*	To solve the issue we can use CAST() function,
		Syntax: CAST (col-name AS data-type)
		Eg.:- CAST (Women AS FLOAT)
		ار ا
		SELECT Major-category, CAST (SUM (Women) AS FLOAT)
_		CAST (SUM (Total) AS FUDAT) AS
_		SW
_		FROM new-grads GROUP BY Major category ORDER BY SW;
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