Pandas Merge (Similar to JOINT in SQL)

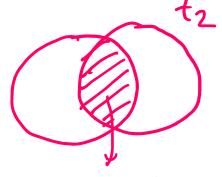
ID	NAME	SALARY
١	A	100
0	B	120
2	Ċ	150
l .	ס	81
4	D E	200
6	F	180

DEPT	
X	
2	
大 是	
	X Y Z

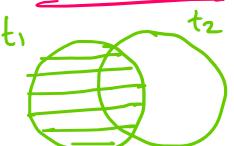
SELECT ti. ID, ti. NAME, ti-SALARY, t2. DEPT Inner John

FROM to

	0110							_
•	ID		NAM	E	SAL	-	DEFT	
	1		A		100		X	\setminus
	2	-	B		120		4	•
	3		C		150		7	
	4		D		80		X	
	5			r	200		7	
1								J







RIGHT JOIN



Left Join

\Rightarrow		
$-\!\!/$	+	
+	 /	
_		

	ربد	NAME	PU		DEPT
	_/ /	A	ro		X
	2	ا کا	120	<u> </u>	•
			150	1 3	
7 /	£		80	X	
/ J			مه	2 	,]

common keys left & right pd. merge (t1, t2, how = 'inner', on = 'ID')

CRUSS JOIN: -

せ

ID	VAL
1	A
2	B
3	C
	<u>, </u>

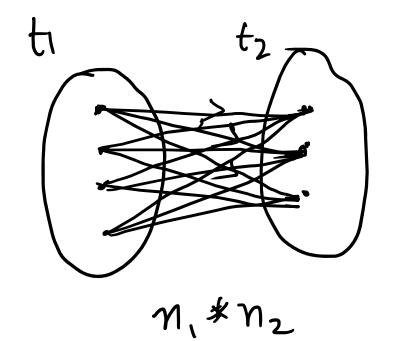
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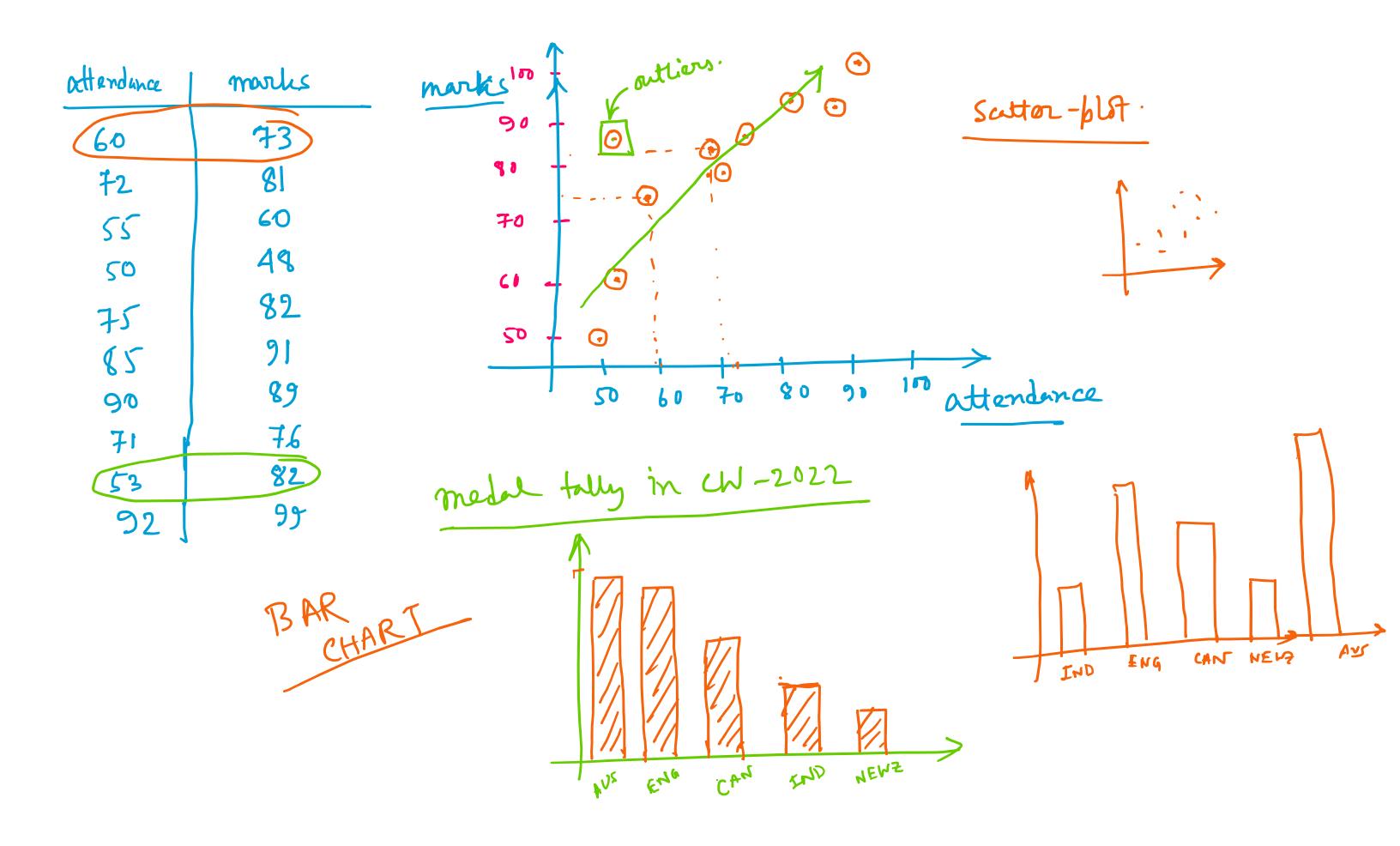
12

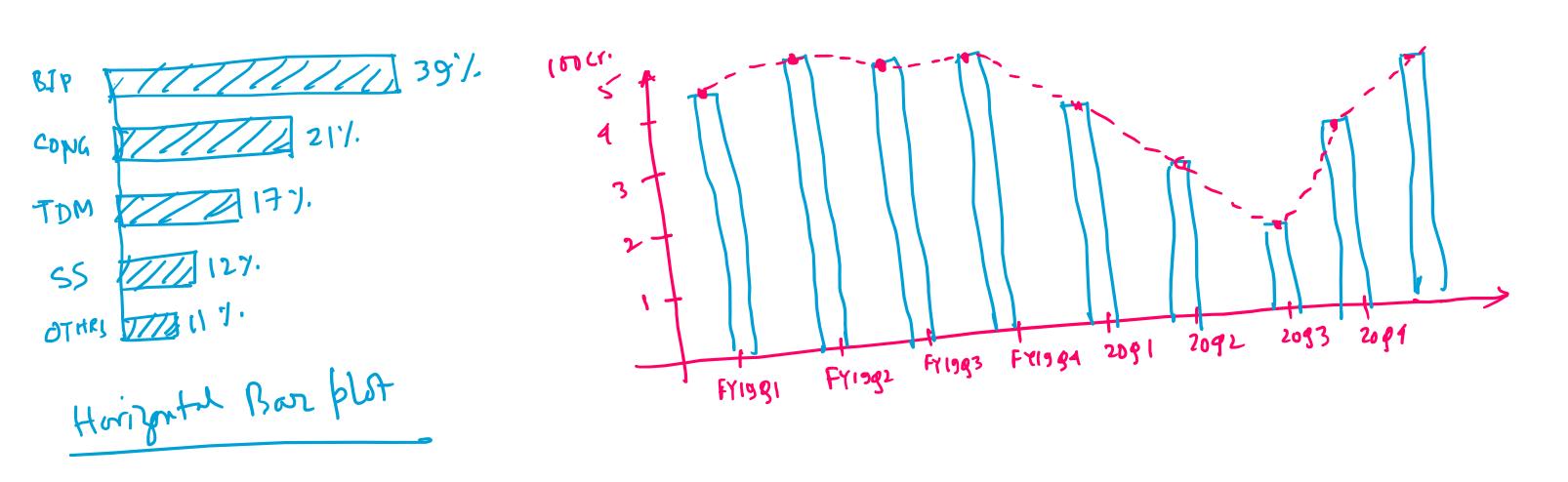
ID	CON
1	X
2	Y
3] ~]
	M2.

ID	VAL	-	CON	_
1	A		X	_
	A		Y	
	A		7	
2	B		7 *	
2	A A B B		۴	
2	B		7	
3	e C	\int	7	
3	C		Y	
3	C		2	

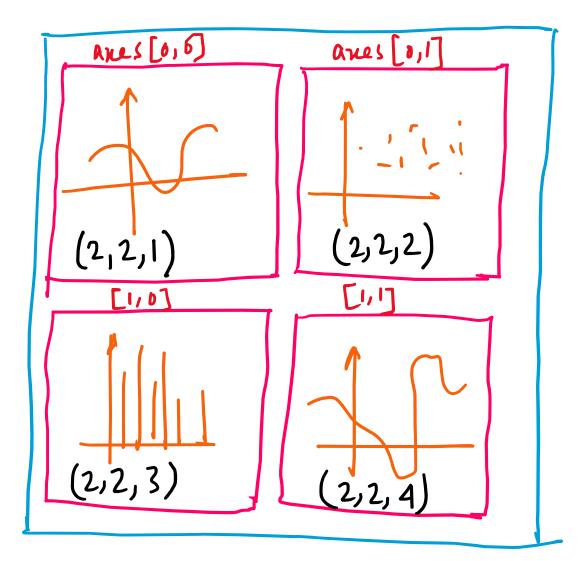
SELECT *
FROM to
CROSS JOIN to
ON to to = to to







plt. subpla (2,2)



plt-subplot (3,2)

