Employee_ID	Name	Department	Hours_Worked	Tasks_Complete	Productivity_Sco	Performance_Rating	PEI	Tasks_per_Hour
101	Aakash	Sales	35	50	80	4	9.142857143	1.428571429
102	Meera	Marketing	40	65	90	5	11.25	1.625
103	Suresh	HR	30	40	70	3	7	1.333333333
104	Riya	IT	45	75	95	5	10.55555556	1.666666667
105	Prakash	Finance	25	30	60	2	4.8	1.2
106	Neha	Sales	38	58	85	4	8.947368421	1.526315789
107	Rahul	IT	50	80	100	5	10	1.6
108	Priya	HR	28	35	65	3	6.964285714	1.25
109	Kunal	Marketing	42	70	92	5	10.95238095	1.66666666
110	Sneha	Sales	37	55	83	4	8.972972973	1.486486486
111	Amit	Finance	29	38	68	3	7.034482759	1.310344828
112	Pooja	Marketing	44	73	94	5	10.68181818	1.659090909
113	Varun	HR	33	45	75	3	6.818181818	1.363636364
114	Deepak	Sales	41	66	89	4	8.682926829	1.609756098
115	Rakesh	IT	48	78	98	5	10.20833333	1.62
116	Kavita	Finance	26	32	62	2	4.769230769	1.23076923
117	Sanjay	HR	31	42	72	3	6.967741935	1.3548387
118	Arjun	Marketing	43	75	93	5	10.81395349	1.744186047
119	Anjali	IT	39	60	87	4	8.923076923	1.538461538
120	Suman	Sales	36	52	78	4	8.666666667	1.44444444
121	Mohan	Finance	27	34	64	2	4.740740741	1.259259259
122	Jyoti	HR	32	44	74	3	6.9375	1.37
123	Neeraj	Marketing	46	77	96	5	10.43478261	1.673913043
124	Akash	Sales	34	48	76	3	6.705882353	1.411764706
125	Tanya	IT	47	79	99	5	10.53191489	1.680851064

Employee_ID	Name	Department	Productivity_Score							
	Rahul	IT	100	100						
125	Tanya	IT	99							
115	Rakesh	IT	98							
123	Neeraj	Marketing	96	75 —						
104	Riya	IT	95							
				50 —						
				25						
				25 —						
				0						
				0 —	Rahul	Tanya	Rakesh	Neeraj	Riya	

Department	Std. Deviation							
Marketing	2.24		'	,	1		1	1
Finance	3.42	> Pro	oductivi	ty Score V	ariation b	y Depart	ment	
HR	3.96				_	ı		
Sales	4.79	Mar	keting	2.2	4			
IT	5.26							
		Fi	nance		3.42			
		art .			\			
		, ž	HR			3.96		
		Department	Sales			4.79		
			IT			,	5.26	
			0	2	2	4	6	
					Std. Deviation	n		

Employee_ID	Name	Department	PEI	Productivity_Score	Performance_Rating	Hours_Worked
102	Meera	Marketing	11.25	90	5	40
109	Kunal	Marketing	10.95	92	5	42
118	Arjun	Marketing	10.81	93	5	43
	loyees by I	PEI (Productivi	ty Efficie	ncy Index)		
125 100 75	02	109		118		
50 ——	11.25	10.9	5	10.81		
23						

Employee_ID	Department	Hours_Worked		Tasks_Completed	Productivity_Score	Performance_Rating	PEI	Tasks_per_Hou
101	Sales		35	50	80	4	9.142857143	1.428571429
110	Sales		37	55	83	4	8.972972973	1.486486486
120	Sales		36	52	78	4	8.666666667	1.444444444
Jnderutilized								
				Employee_ID				
25		101		Hours_Worked				
35	50	80		Tasks_Completed				
9.142857143 1.428571429				Productivity_Score				
1.4203/1429				Performance_Rating				
	7	110		PEI				
3	55	83		Tasks_per_Hour				
8.972972973 1.486486486								
36		1	20					
	52 7	8		-				
8.666666667 1.4444444444								

Metric	Correlation Coefficient					
Hours_Worked vs Performance_Rating	0.9462348584	Hour	s W	orked vs Product	ivity Score	
Tasks_Completed vs Performance_Rating	0.9574553704	1	00 —			
Hours_Worked vs Productivity_Score	0.992498423	••		•	•	
			75 —			
		Correlation Coefficient	50 —			
		Correlati	25 —			
		0.	00 —	Hours_Worked vs Performance_Rating	Tasks_Completed vs Performance_Rating	Hours_Worked vs Productivity_Score
					Metric	

Employee_ID	Name	Department	Hours_Worked	Tasks_Completed	Productivity_Score	Performance_Rating	PEI	Tasks_per_Hour	Formula	Result	
118	Arjun	Marketing	43	75	93	5	10.81395349	1.744186047	10.81395349	Max Tasks per Hour	r