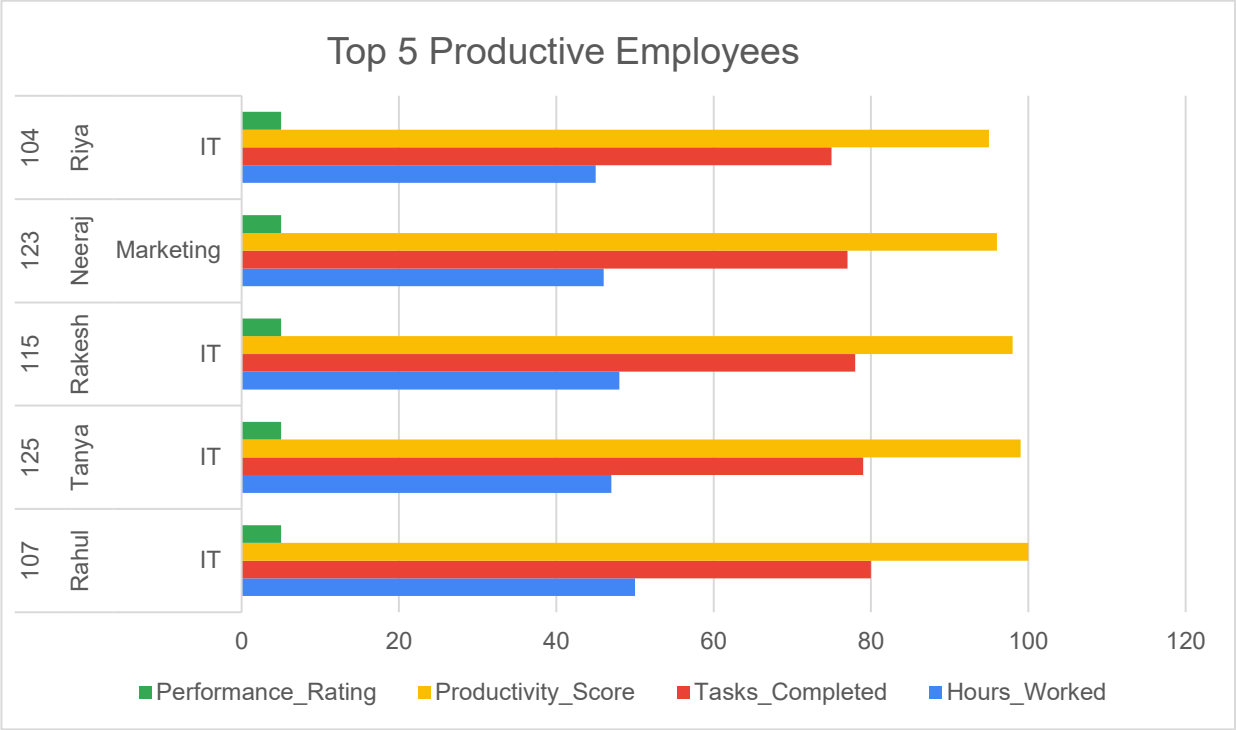
Employee_ID	Name	Department	Hours_Worked	asks_Complete	oductivity_Sco	formance_Rati
111	Amit	Finance	29	38	68	3
121	Mohan	Finance	27	34	64	2
116	Kavita	Finance	26	32	62	2
105	Prakash	Finance	25	30	60	2
113	Varun	HR	33	45	75	3
122	Jyoti	HR	32	44	74	3
117	Sanjay	HR	31	42	72	3
103	Suresh	HR	30	40	70	3
108	Priya	HR	28	35	65	3
107	Rahul	IT	50	80	100	5
125	Tanya	IT	47	79	99	5
115	Rakesh	IT	48	78	98	5
104	Riya	IT	45	75	95	5
119	Anjali	IT	39	60	87	4
123	Neeraj	Marketing	46	77	96	5
112	Pooja	Marketing	44	73	94	5
118	Arjun	Marketing	43	75	93	5
109	Kunal	Marketing	42	70	92	5
102	Meera	Marketing	40	65	90	5
114	Deepak	Sales	41	66	89	4
106	Neha	Sales	38	58	85	4
110	Sneha	Sales	37	55	83	4
101	Aakash	Sales	35	50	80	4
120	Suman	Sales	36	52	78	4
124	Akash	Sales	34	48	76	3

mployee_I	Name	Departmen	ours_Work	ks_Comple	ductivity_S	rmance_R
107	Rahul	IT	50	80	100	5
125	Tanya	IT	47	79	99	5
115	Rakesh	IT	48	78	98	5
123	Neeraj	Marketing	46	77	96	5
104	Riya	IT	45	75	95	5



Employee_ID	Name	Department	Hours_Worked
111	Amit	Finance	29
121	Mohan	Finance	27
116	Kavita	Finance	26
105	Prakash	Finance	25
113	Varun	HR	33
122	Jyoti	HR	32
117	Sanjay	HR	31
103	Suresh	HR	30
108	Priya	HR	28
107	Rahul	IT	50
125	Tanya	IT	47
115	Rakesh	IT	48
104	Riya	IT	45
119	Anjali	IT	39
123	Neeraj	Marketing	46
112	Pooja	Marketing	44
118	Arjun	Marketing	43
109	Kunal	Marketing	42
102	Meera	Marketing	40
114	Deepak	Sales	41
106	Neha	Sales	38
110	Sneha	Sales	37
101	Aakash	Sales	35
120	Suman	Sales	36
124	Akash	Sales	34

Tasks_Completed	Productivity_Score	Performance_Rating
38	68	3
34	64	2
32	62	2
30	60	2
45	75	3
44	74	3
42	72	3
40	70	3
35	65	3
80	100	5
79	99	5
78	98	5
75	95	5
60	87	4
77	96	5
73	94	5
75	93	5
70	92	5
65	90	5
66	89	4
58	85	4
55	83	4
50	80	4
52	78	4
48	76	3

Department
Finance
HR
IT
Marketing
Sales

Department
Finance
Finance Total
HR
HR Total
IT
IT Total
Marketing
Marketing Total
Sales
Sales Total
Grand Total

Productivity_Score	Standard Deviation
68, 64, 62, 60	3.415650255
75, 74,72, 70, 65	3.962322551
100, 99, 98, 95,87	5.263078947
96, 94, 93, 92, 90	2.236067977
89, 85, 83, 80, 78, 76	4.792355023

Productivity_Score	Sum of Standard Deviation
68, 64, 62, 60	3.415650255
	3.415650255
75, 74,72, 70, 65	3.962322551
	3.962322551
100, 99, 98, 95,87	5.263078947
	5.263078947
96, 94, 93, 92, 90	2.236067977
	2.236067977
89, 85, 83, 80, 78, 76	4.792355023
	4.792355023
	19.66947475

Employee_ID	Name	Department	Hours_Worked	Tasks_Completed
102	Meera	Marketing	40	65
109	Kunal	Marketing	42	70
118	Arjun	Marketing	43	75
112	Pooja	Marketing	44	73
104	Riya	IT	45	75
125	Tanya	IT	47	79
123	Neeraj	Marketing	46	77
115	Rakesh	IT	48	78
107	Rahul	IT	50	80
101	Aakash	Sales	35	50
110	Sneha	Sales	37	55
106	Neha	Sales	38	58
119	Anjali	IT	39	60
114	Deepak	Sales	41	66
120	Suman	Sales	36	52
111	Amit	Finance	29	38
103	Suresh	HR	30	40
117	Sanjay	HR	31	42
108	Priya	HR	28	35
122	Jyoti	HR	32	44
113	Varun	HR	33	45
124	Akash	Sales	34	48
105	Prakash	Finance	25	30
116	Kavita	Finance	26	32
121	Mohan	Finance	27	34

Productivity_Score	Performance_Rating	PEI (Productivity Efficiency Index)
90	5	11.25
92	5	10.95238095
93	5	10.81395349
94	5	10.68181818
95	5	10.55555556
99	5	10.53191489
96	5	10.43478261
98	5	10.20833333
100	5	10
80	4	9.142857143
83	4	8.972972973
85	4	8.947368421
87	4	8.923076923
89	4	8.682926829
78	4	8.666666667
68	3	7.034482759
70	3	7
72	3	6.967741935
65	3	6.964285714
74	3	6.9375
75	3	6.818181818
76	3	6.705882353
60	2	4.8
62	2	4.769230769
64	2	4.740740741

Employee_ID	Name	Department	Hours_Worked
111	Amit	Finance	29
121	Mohan	Finance	27
116	Kavita	Finance	26
105	Prakash	Finance	25
113	Varun	HR	33
122	Jyoti	HR	32
117	Sanjay	HR	31
103	Suresh	HR	30
108	Priya	HR	28
107	Rahul	IT	50
125	Tanya	IT	47
115	Rakesh	IT	48
104	Riya	IT	45
119	Anjali	IT	39
123	Neeraj	Marketing	46
112	Pooja	Marketing	44
118	Arjun	Marketing	43
109	Kunal	Marketing	42
102	Meera	Marketing	40
114	Deepak	Sales	41
106	Neha	Sales	38
110	Sneha	Sales	37
101	Aakash	Sales	35
120	Suman	Sales	36
124	Akash	Sales	34

0.946234858

Tasks_Completed	Productivity_Score	Performance_Rating	Hours_Worked
38	68	3	29
34	64	2	27
32	62	2	26
30	60	2	25
45	75	3	33
44	74	3	32
42	72	3	31
40	70	3	30
35	65	3	28
80	100	5	50
79	99	5	47
78	98	5	48
75	95	5	45
60	87	4	39
77	96	5	46
73	94	5	44
75	93	5	43
70	92	5	42
65	90	5	40
66	89	4	41
58	85	4	38
55	83	4	37
50	80	4	35
52	78	4	36
48	76	3	34

0.95745537

roductivity_Scor
68
64
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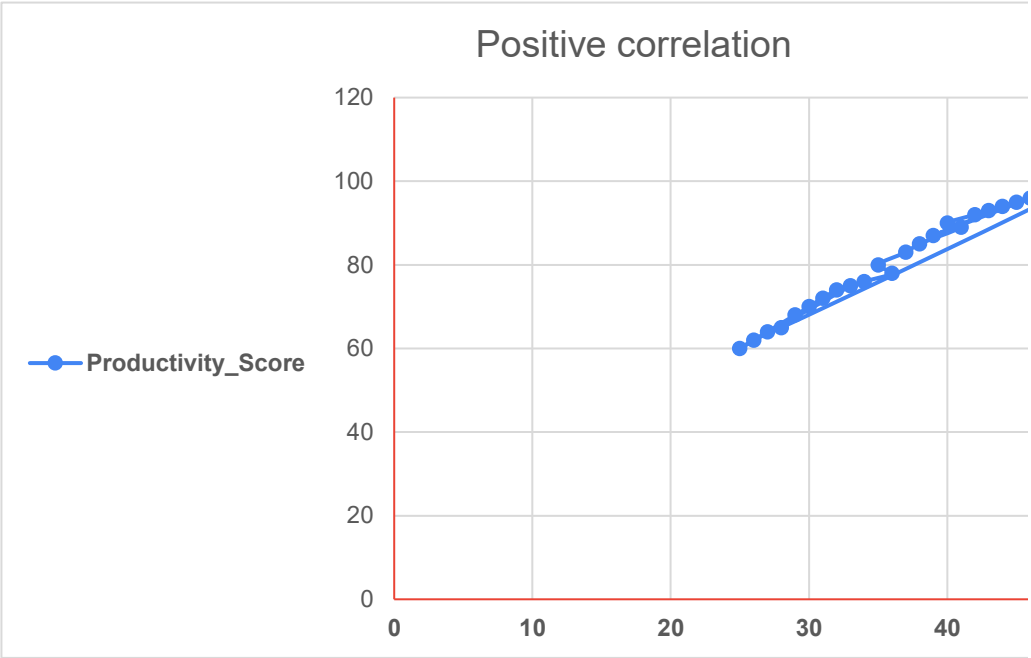

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Employee_ID	Name	Department	Hours_Worked	Tasks_Completed	Productivity_Score
105	Prakash	Finance	25	30	60
116	Kavita	Finance	26	32	62
121	Mohan	Finance	27	34	64
108	Priya	HR	28	35	65
111	Amit	Finance	29	38	68
103	Suresh	HR	30	40	70
117	Sanjay	HR	31	42	72
122	Jyoti	HR	32	44	74
113	Varun	HR	33	45	75
124	Akash	Sales	34	48	76
101	Aakash	Sales	35	50	80
120	Suman	Sales	36	52	78
110	Sneha	Sales	37	55	83
106	Neha	Sales	38	58	85
119	Anjali	IT	39	60	87
102	Meera	Marketing	40	65	90
114	Deepak	Sales	41	66	89
109	Kunal	Marketing	42	70	92
118	Arjun	Marketing	43	75	93
112	Pooja	Marketing	44	73	94
104	Riya	IT	45	75	95
123	Neeraj	Marketing	46	77	96
125	Tanya	IT	47	79	99
115	Rakesh	IT	48	78	98
107	Rahul	IT	50	80	100
		Average	37.04		

erformance_Ratin
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Employee_ID	Name	Department	Hours_Worked	Tasks_Completed
111	Amit	Finance	29	38
121	Mohan	Finance	27	34
116	Kavita	Finance	26	32
105	Prakash	Finance	25	30
113	Varun	HR	33	45
122	Jyoti	HR	32	44
117	Sanjay	HR	31	42
103	Suresh	HR	30	40
108	Priya	HR	28	35
107	Rahul	IT	50	80
125	Tanya	IT	47	79
115	Rakesh	IT	48	78
104	Riya	IT	45	75
119	Anjali	IT	39	60
123	Neeraj	Marketing	46	77
112	Pooja	Marketing	44	73
118	Arjun	Marketing	43	75
109	Kunal	Marketing	42	70
102	Meera	Marketing	40	65
114	Deepak	Sales	41	66
106	Neha	Sales	38	58
110	Sneha	Sales	37	55
101	Aakash	Sales	35	50
120	Suman	Sales	36	52
124	Akash	Sales	34	48

Productivity_Score	Performance_Rating	Task per hour
68	3	1.310344828
64	2	1.259259259
62	2	1.230769231
60	2	1.2
75	3	1.363636364
74	3	1.375
72	3	1.35483871
70	3	1.333333333
65	3	1.25
100	5	1.6
99	5	1.680851064
98	5	1.625
95	5	1.666666667
87	4	1.538461538
96	5	1.673913043
94	5	1.659090909
93	5	1.744186047
92	5	1.666666667
90	5	1.625
89	4	1.609756098
85	4	1.526315789
83	4	1.486486486
80	4	1.428571429
78	4	1.444444444
76	3	1.411764706
	most task efficient	1.744186047

Marketing