```
Enter your GitHub PAT: ·········
Cloning into 'hr-tech-portfolio'...
remote: Enumerating objects: 1243, done.
remote: Counting objects: 100% (179/179), done.
remote: Compressing objects: 100% (144/144), done.
remote: Total 1243 (delta 119), reused 56 (delta 35), pack-reused 1064 (from
Receiving objects: 100% (1243/1243), 11.59 MiB | 30.68 MiB/s, done.
Resolving deltas: 100% (761/761), done.
/content/hr-tech-portfolio
```
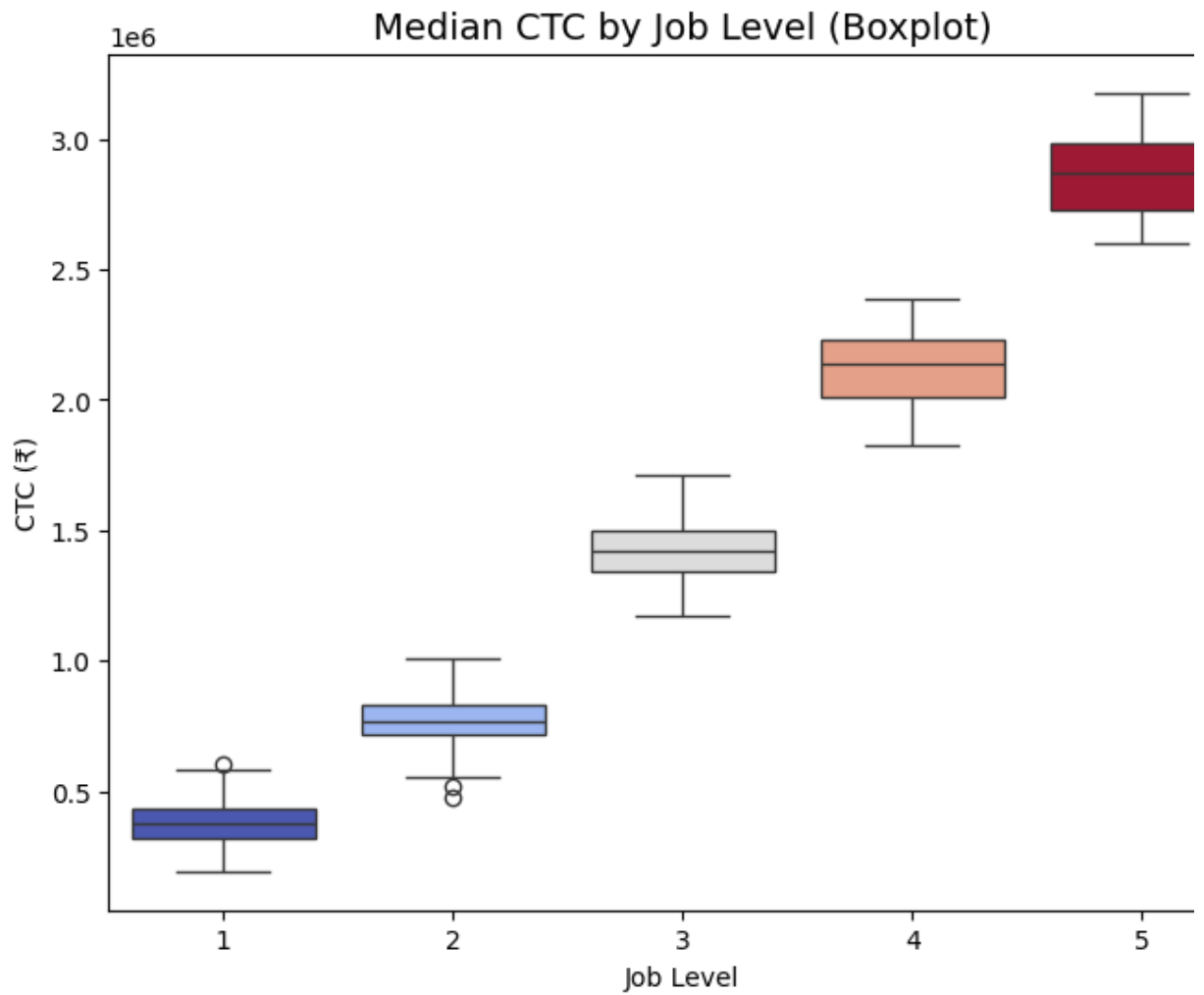
📊 Compensation Analytics V 2

Project 1 1 **(Extension Arc)** — Building on Day- 2 seed notebook.

Includes Median CTC, Department Analysis, Bonus % Distribution.

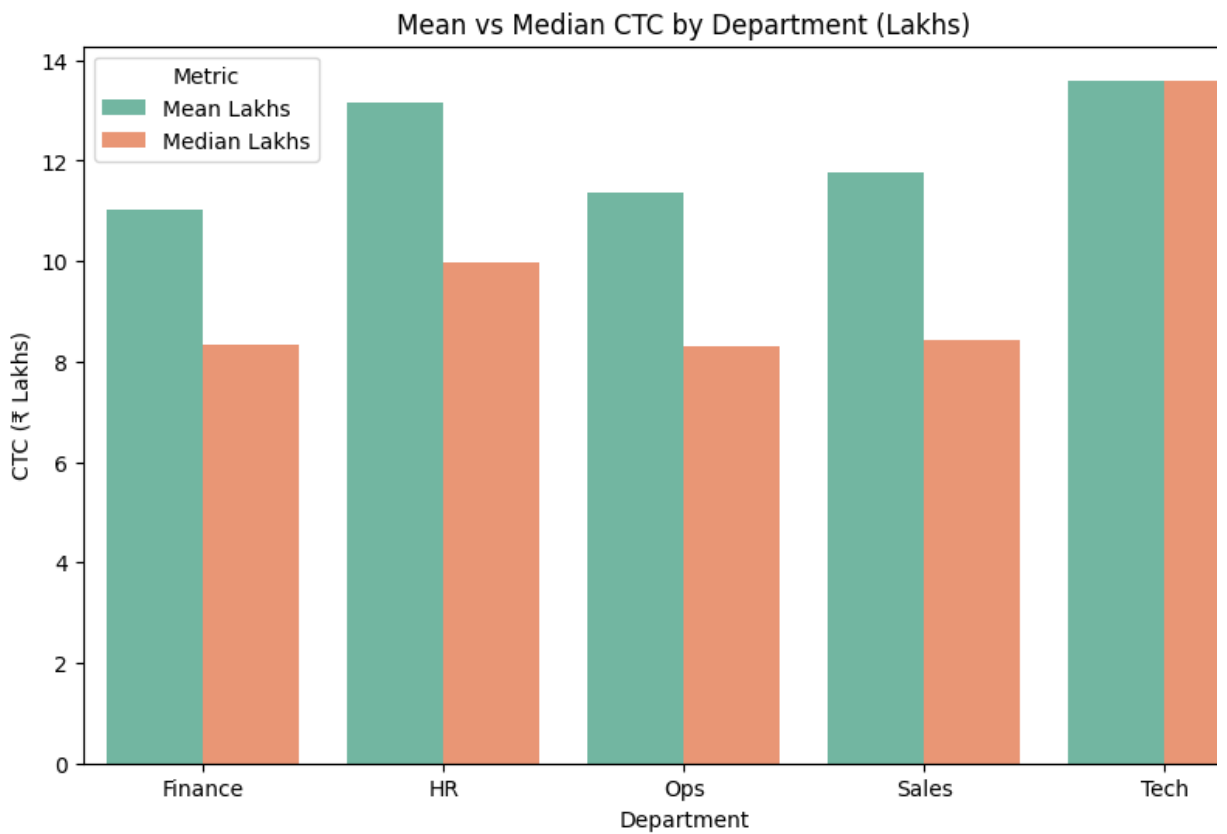Artifacts generated: CSV + PNG files.

Version: V 2 | Date: {{today}}

Out[2]:

	EmployeeID	Gender	JobLevel	Department	CTC	Bonus
0	1	Male	3	Finance	1 5 4 7 0 2 1.0	2 8 2 0 5 3
1	2	Female	3	Tech	1 3 5 8 2 9 0.8	1 4 8 0 7 7
2	3	Female	2	Ops	6 6 6 5 7 4.2	1 1 6 1 0 4
3	4	Male	4	Sales	2 0 9 5 6 2 7.0	3 5 2 3 9 4
4	5	Male	3	Ops	1 6 1 2 3 6 3.0	2 3 1 6 3 8

Median CTC by Job Level (Boxplot)

Artifacts generated: data/comp_median_ctc.csv, images/comp_median_ctc.png

Mean vs Median CTC by Department (Lakhs)

Out[5]:

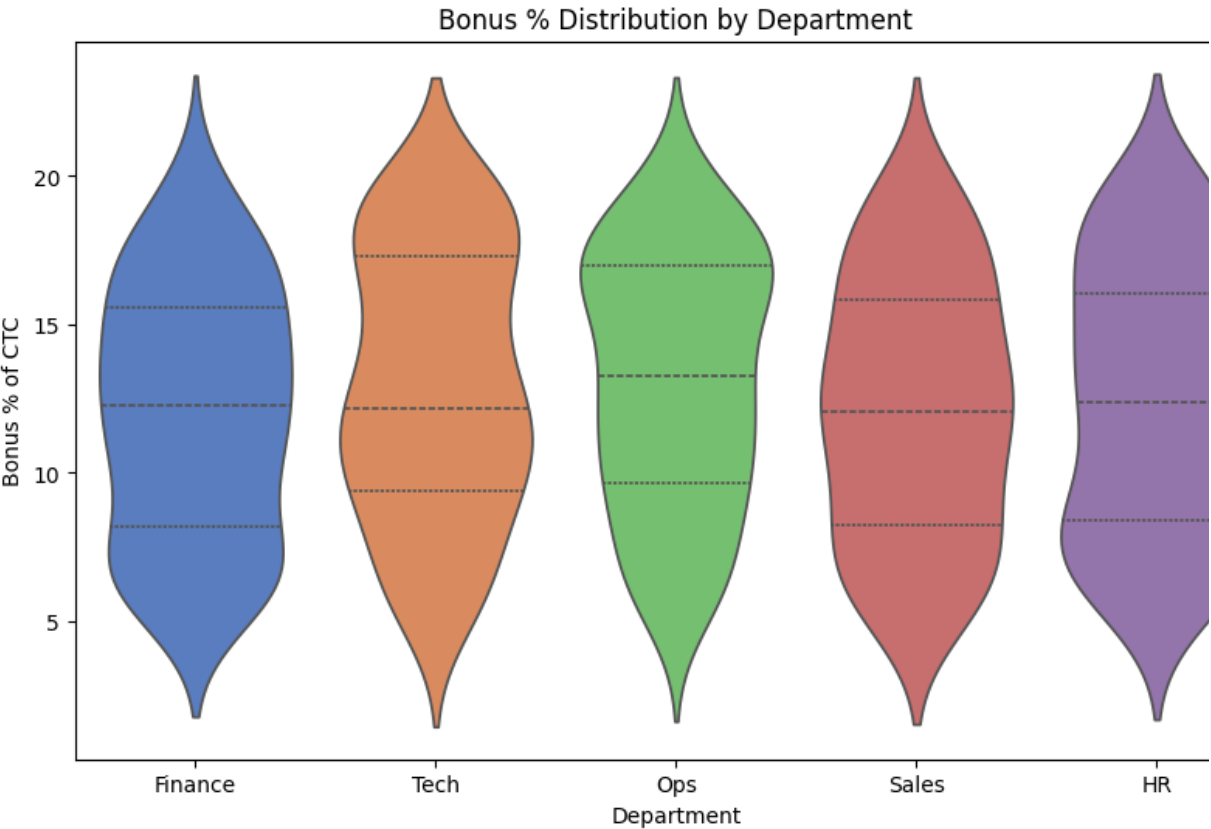|	Department	mean	median	Mean Lakhs	Median
0	Finance	1.102303e+06	833456.00	11.02	8
1	HR	1.315315e+06	997444.00	13.15	9
2	Ops	1.137180e+06	830957.50	11.37	8
3	Sales	1.176311e+06	844169.50	11.76	8
4	Tech	1.360345e+06	1360233.45	13.60	13

/tmp/ipython-input-1716273681.py:14: FutureWarning:

Passing `palette` without assigning `hue` is deprecated and will be removed i
v0.14.0. Assign the `x` variable to `hue` and set `legend=False` for the same
effect.

  sns.violinplot(x="Department", y="Bonus %", data=df, palette="muted",
inner="quart")

Bonus % Distribution by Department

Out[6]:

	Department	count	mean	std	min
0	Finance	99.0	12.012842	4.250428	5.184644
1	HR	105.0	12.373598	4.529790	5.269178
2	Ops	104.0	13.055526	4.265846	5.002800
3	Sales	96.0	12.108918	4.351186	5.031550
4	Tech	96.0	12.910477	4.471188	5.043802