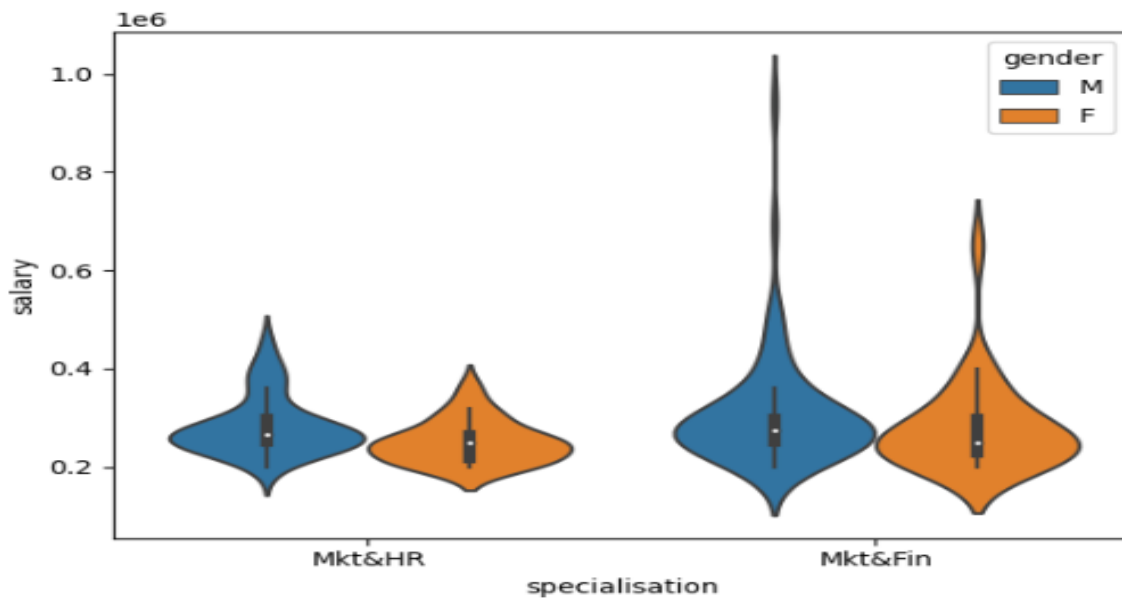


Violint Plot

```
1 sns.violinplot(x='specialisation', y='salary', data=df, hue = 'gender')
2 plt.show()
```



1. **Mkt&HR (Marketing and Human Resources):**

- **Males (Blue):**
 - The salary distribution is centered around a median value (white dot).
 - The distribution is relatively narrow, indicating less variability in salaries.
- **Females (Orange):**
 - The salary distribution is also centered around a similar median value as males.
 - The distribution is narrow, indicating similar consistency in salaries as males.

2. **Mkt&Fin (Marketing and Finance):**

- **Males (Blue):**
 - The salary distribution is more spread out compared to Mkt&HR.
 - There is a wider range of salaries, with a notable concentration around the median.
 - The distribution shows a few higher salary points (tall violin), indicating some males earn significantly more.
- **Females (Orange):**
 - The salary distribution is also spread out, but less than males.
 - The median salary is similar to that of males, but with less variability.
 - There are fewer extremely high salary points compared to males.

Simple Summary:

- **Mkt&HR:** Both males and females have similar and consistent salary distributions.
- **Mkt&Fin:** Males have a wider range of salaries with some very high earners, while females have a more consistent distribution with fewer extremely high salaries.

1.