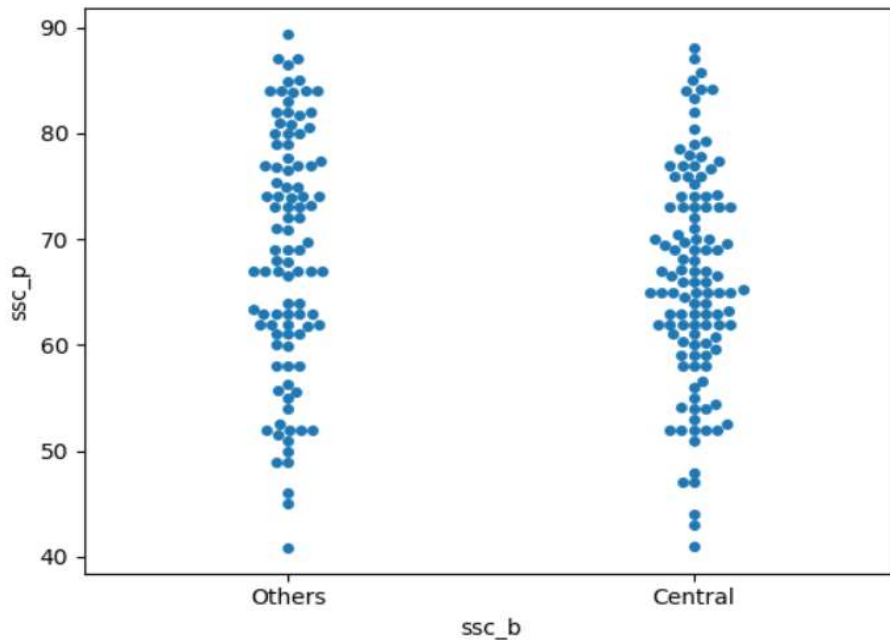


## *Swarm plot*

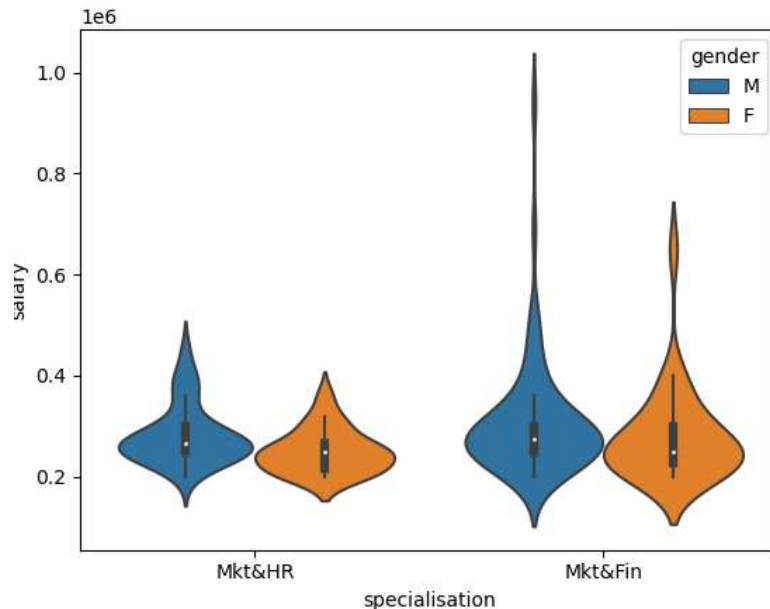
- A swarm plot is a type of categorical scatter plot used to visualize the distribution of data points in a dataset.
- Swarm plot is very similar to the strip plot, but it avoids the overlapping of points.
- The `swarmplot()` function of seaborn can be used to create such a graph for categorical values.

**Syntax :** `sns.swarmplot(x="categorical_column", y="numeric_column", data=your_dataframe)`

- IT is also called as scatter graph, scatter chart, scatter gram, or scatter diagram.



## *Violin plot*



### Mkt&HR

- The highest salary curve is between 2 lakh and 3.5 lakh.
- The minimum and maximum salary range is from 2 lakh to 5.5 lakh.
- The salary distributions for both males and females are fairly similar.
- Both genders have a Salary range in the lower to mid-range, with fewer high- salary outliers
- The male higher median salary the female

### Mkt&FIN

- It has a high-density curve; the salary range is 2 lakh to 3 lakh.
- Someone has more than 9 lakh, with the extreme value for males and females starting at 2 lakh, but the high salary range for females is nearly 8 lakh.
- The female distribution is narrower and generally shows lower salaries compared to males, suggesting less variation in salaries for females in this field.