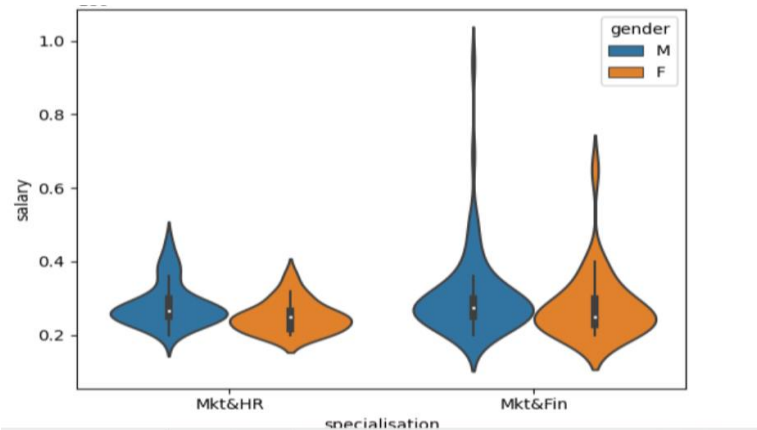Notes on Swarmplot and Violin plot

Swarmplot:

It is different from any other plot and the scattered points never overlap on each data points a numerical variable with a categorical variable.

Violin plot – insights

The following violin graph tells the relationship between Salary and MBA specialization

Mkt&HR Male

➢ It has higher density curve between the salary range of 2L to 3L
➢ The Min and Max salary being received 2L and 5L respectively and median salary is 3L.

Mkt&HR Female

➢ Mkt&HR Female has higher density curve between the salary ranges of 2L to less than 3L.
➢ Mkt&HR Female whiskers (Min mark across ssc_p to mba_p) is less than Mkt&HR Male and Mkt&Fin Male and Mkt&Fin Female.

Mkt&Fin Male

➢ Someone receiving more than 9L (which is an extreme value and it starts from 4L) in this category.
➢ It has higher density curve between the salary range of 2L to 2.5L
➢ Male of mkt&fin receives highest salary than that of Male/Female from mkt&HR and Female of mkt&Fin.

Mkt&Fin Female

➢ Max salary being received is close to 8 L (which is an extreme value and it starts from 4L) in this category.
➢ The median salary is at 2.5 L