Discussion of results

Discuss Box Plots:

- Box plots give a simple way to understand the distribution of productivity for different language groups.
- They show important statistics like the median (middle value), quartiles (dividing the data into quarters), and possible outliers (unusual data points).
- Differences in box plot characteristics can indicate how the groups vary. For instance, different medians suggest differences in the typical value, and variations in the size of the boxes show differences in the spread of data.

Discuss Kernel Density Plots (KDE):

- KDE plots offer a smooth way to visualize how likely different productivity values are for each language group.
- They help you see the shape and peaks of the data's probability distribution, making it easier to spot patterns.
- KDEs provide a more detailed view of the distribution's shape and smoothness, helping you understand how data is concentrated in different areas.

Difference between Box Plot and KDE:

- Box plots give a quick overview of key statistics and identify potential outliers, making them useful for comparing central tendencies and spread.
- In contrast, KDE plots offer a smoother and more detailed view of the distribution's shape, making them great for understanding the probability density.
- KDEs reveal subtle differences in the distribution that may not be visible in box plots.