

H.A - 2

Q 1 Smart card Transfer Data Analysis by Box Plot.

Ans Box plots are used to compare travel volumes across different routes by plotting travel times. Each box plot displays the median travel time & outliers for a route. Help in identifying with high travel variability or unusual high travel times might help transport authorities devise travel policies, identify peak hour congestion, adjust travel frequency & timing for efficiency.

Point

Q 2 Advanced Data Analysis using R vs Plot

Ans A pair plot is used to analyse relationship among variables. Scatter plot shows how yield varies with rainfall of 6 consecutive years while diagonal plots represent the distribution of each variable. Positive trends indicate factors that increase crop yield.

These visual objects help identify ideal rainfall levels, optimum soil type, water input requirements & supply data for better decision.