Descriptive_Analytics - Questions

Q1. When the share of Air shipments increases from 15% to 40%, which KPI is most affected?

A.   Lead time decreases, cost increases
B.   Lead time increases, cost decreases
C.   OTIF decreases sharply
D.   Nothing changes significantly

Correct answer: A. Lead time decreases, cost increases

Q2. If the SLA for Road shipments is reduced from 6 to 5 days, what happens to OTIF?

A.   OTIF increases
B.   OTIF decreases
C.   OTIF remains stable
D.   OTIF becomes 100%

Correct answer: B. OTIF decreases

Q3. Adding ±20% random variation to transport cost mainly affects which aspect?

A.   Total KPI averages
B.   Variability and stability of KPIs
C.   Delivery speed
D.   Mode distribution

Correct answer: B. Variability and stability of KPIs

Q4. Capping all lead times at 10 days results in:

A.   Lower OTIF
B.   Higher OTIF
C.   No change
D.   More missing data

Correct answer: B. Higher OTIF

Q5. Introducing Rail as a new mode between Road and Sea likely causes:

A.   Cost to rise sharply
B.   Lead time to worsen
C.   Balanced trade-off between cost and speed
D.   No change in results

Correct answer: C. Balanced trade-off between cost and speed