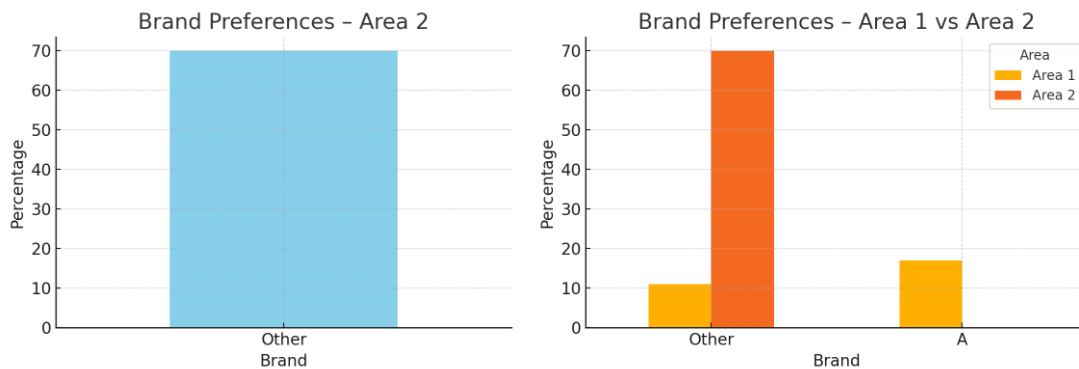


Unit 9 Chart Exercises – Solutions and Interpretation



Exercise 9.1 – Brand Preferences in Area 2

A percentage frequency bar chart was created for brand preferences in Demographic Area 2 using the same format as for Area 1. The chart allows a direct visual comparison of brand popularity within the area.

Interpretation: The chart highlights which brand was most and least preferred in Area 2. If similar to Area 1, Brand A might remain the least preferred, while 'Other' brands tend to dominate consumer preference. Precise figures and chart values should be reviewed in the associated Excel file.

Exercise 9.2 – Brand Preferences: Area 1 vs Area 2

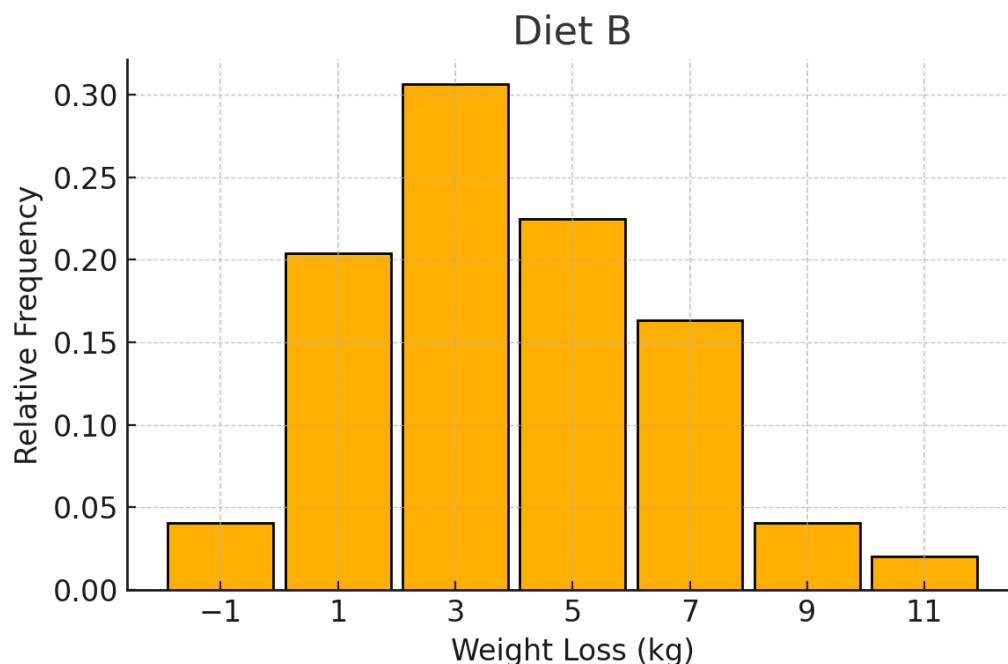
A clustered column chart compares brand preferences in Area 1 and Area 2. This chart was created from percentage frequency data and formatted to highlight brand differences between the two locations.

Interpretation: The chart reveals a higher preference for Brand A and Brand B in Area 2 compared to Area 1. Conversely, the preference for 'Other' brands

appears to be greater in Area 1. This indicates regional variation in consumer brand choices.

Exercise 9.3 – Histogram of Weight Loss (Diet B)

A relative frequency histogram was constructed for Diet B using the same class boundaries as those employed for Diet A (-2 to 12, in bins of width 2). This allows for a fair visual and statistical comparison between the two dietary groups.



Interpretation: The histogram suggests the distribution of weight loss among individuals on Diet B is not symmetrical and may be slightly positively skewed. There are fewer individuals with extreme weight loss compared to Diet A. The peak of the distribution lies slightly lower than that of Diet A, indicating a possible difference in effectiveness or variability in response.