

Module 2F Question:

Researchers want to compare **activity levels** between mice fed a **chow diet** and mice fed a **high-fat diet (HFD)**. Activity is scored on a 1–10 scale based on distance moved and exploratory behavior. Here are the activity scores for each group:

Chow-Fed Mice (n = 6)

M1: 3.0
M2: 3.5
M5: 4.0
M6: 4.5
M9: 5.0
M10: 5.5

HFD-Fed Mice (n = 6)

M3: 6.0
M4: 6.5
M7: 7.0
M8: 7.5
M11: 8.0
M12: 8.5

These values are **ordered** for you and **non-normal**. Use a Mann–Whitney comparison.